



AMERICAN SOCIETY FOR REPRODUCTIVE MEDICINE

ASRM 2020

DYNAMIC COLLABORATIONS
IN REPRODUCTIVE MEDICINE

VIRTUAL CONGRESS • OCTOBER 2020

FINAL
PROGRAM



Mask-R-Aid

Join us this year for the ASRM Mask-R-Aid benefiting the ASRM Research Institute during ASRM's 2020 Virtual Scientific Congress, October 2020.

Save-the-Date

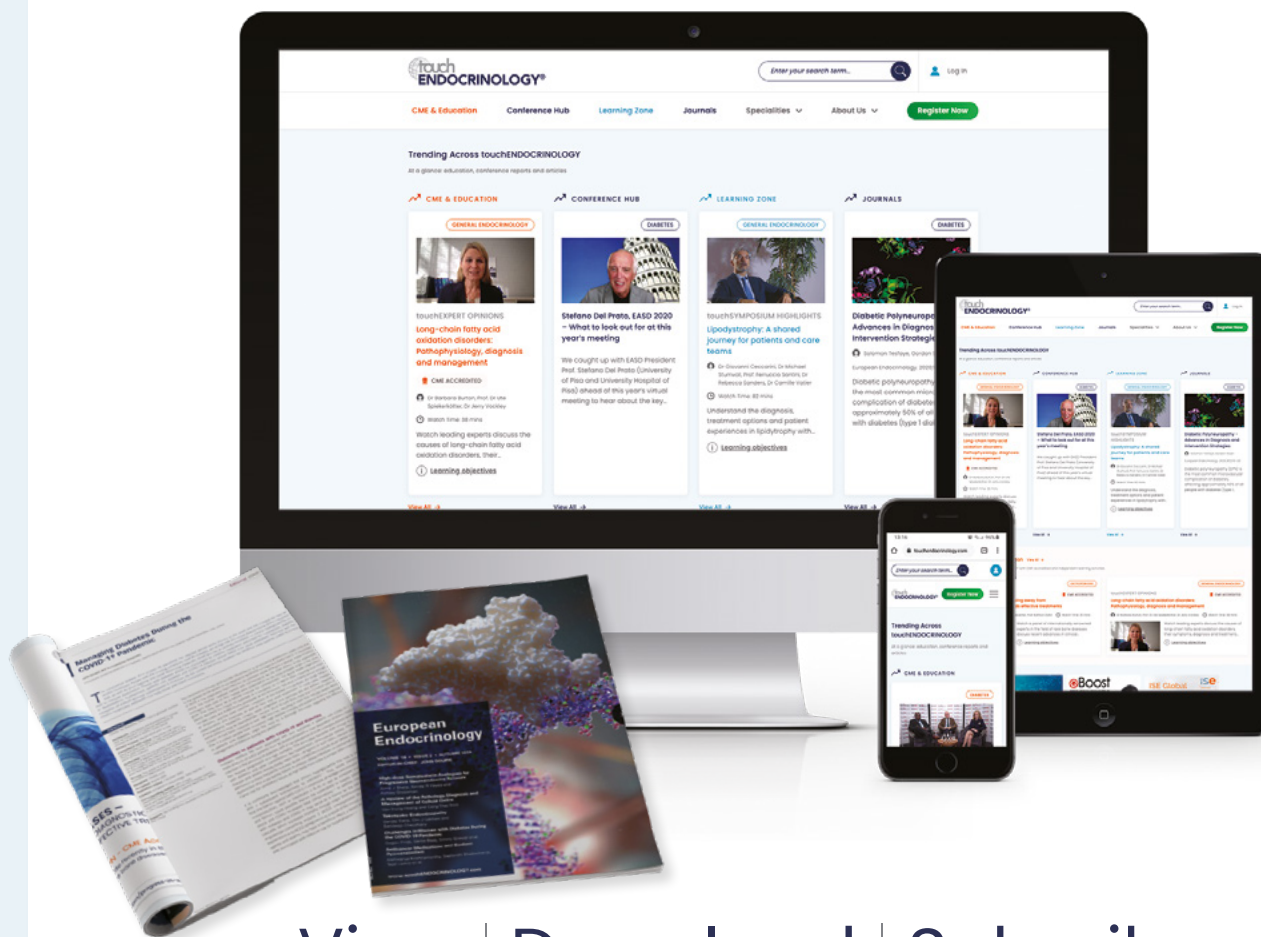
Friday, October 16, 2020

For details visit www.asrmcongress.org.

All proceeds will benefit the ASRM Research Institute.

Practical articles Expert interviews News and insights

Peer reviewed | Free-to-access | Concise | Multimedia



View | Download | Subscribe
FREE

touchENDOCRINOLOGY.com



JOIN US FOR OUR
**Opening
Ceremony**

Saturday, October 17th,
9:00 am – 9:15 am

Plenary 1 will
immediately follow.

Inside this Program

ASRM MASK-R-AID	2
OPENING CEREMONY	4
ASRM OFFICERS AND BOARD OF DIRECTORS.....	8
ASRM SCIENTIFIC CONGRESS PLANNING COMMITTEES	8-10
SCHEDULE-AT-A-GLANCE	11-16
ASRM SCIENTIFIC CONGRESS POLICIES AND DISCLAIMERS	17
REGISTRATION AND MEETING INFORMATION	17
SCIENTIFIC CONGRESS DAILY SCHEDULE.....	18-25
CONTINUING MEDICAL EDUCATION/CONTINUING EDUCATION.....	27, 28
POSTGRADUATE PROGRAM	29-54
NEEDS ASSESSMENT AND LEARNING OBJECTIVES	55
SPEAKERS INDEX	56-59
DISCLOSURES INDEX	60-62
ROUNDTABLES	64-69
VIDEO ABSTRACTS.....	70,71
ABSTRACT REVIEWERS.....	72, 73
ORAL ABSTRACTS	74-113
POSTER PRESENTATIONS	114-212
ABSTRACTS TOPIC INDEX	213-222
ABSTRACT AUTHOR INDEX	223-256
ABSTRACTS AUTHORS DISCLOSURES INDEX	257-267
FUTURE ASRM SCIENTIFIC CONGRESS & EXPO DATES	268

What are you missing?

Have you looked at ASRM members benefits lately? We are consistently adding value for thousands of physicians and other professionals in the field of reproductive medicine. Boost your career with:

News and Education

- **Access to cutting-edge research in the Society's peer-reviewed journals, *Fertility and Sterility* and the *Journal of Assisted Reproduction and Genetics***
- Opportunities for continuing education in person and online through ASRM airLearning™ modules, webinars, micro-videos, and certificate courses
- Free access to ASRM QBoost, a program to test your knowledge on the go
- Electronic bulletins from our Washington D.C. office that help you stay up to date on the latest reproductive health policy news
- Access to printable Practice and Ethics committee guidelines

Specials and Discounts

- **Free CME, CE and PEER credits through ASRM airLearning™**
- Members-only rates on ASRM products
- **Discount on ASRM Scientific Congress and pre-Congress course registrations**

Professional Development and Recognition

- Networking opportunities including ASRM Connect, ASRM's online community platform
- **Input into shaping policies and protocols through member groups and ASRM's access to care efforts**
- Listing of providers in the new and improved "Find a Healthcare Professional" directory on www.ReproductiveFacts.org
- Eligibility to receive ASRM research grants and awards

Online Resources for Members Only

- Access to an online member login account, which includes current membership information and member group updates
- **Full access to the ASRM Membership Directory**
- Access to ASRM's Career Center to help you find qualified job candidates while enjoying member discounts on job postings—or to help you find that perfect job

Learn more by visiting www.asrm.org and clicking on the Membership tab.



Joining is easy!

- Join online at www.asrm.org.
- Join by phone at + 1-205-978-5000.
- Or join by visiting us at the ASRM booth during our annual Expo or at other selected meetings throughout the year.

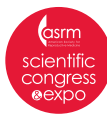


know what matters in



**Women's
and Children's
Health**

karger.com/childrenshealth

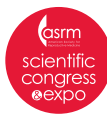


Committees and Awards

- ASRM Scientific Congress Program Planning Committee
- ASRM Officers and Board of Directors
- ASRM Committees
- ASRM Scientific Congress Policies and Disclaimers
- Schedule-at-a-Glance
- Daily Schedule

SPONSORED BY
THE AMERICAN SOCIETY FOR REPRODUCTIVE MEDICINE





ASRM 2020 Scientific Congress Program Planning Committees

- Catherine Racowsky, Ph.D., *President*
 Steven D. Spandorfer, M.D., *Scientific Congress Program Chair*
 Paolo Rinaudo, M.D., Ph.D., *Interactive Sessions Chair*
 James H. Segars, M.D., *Roundtables Program Chair*
 Amy Sparks, Ph.D., *Postgraduate Program Chair*
 Richard O. Burney, M.D., M.Sc., *Postgraduate Co-Chair*
 Erica B. Johnstone, M.D., *Postgraduate Coordinating Chair*
- Dolores Lamb, Ph.D., *Ad Hoc Committee Member*
 Charles Bormann, Ph.D., *Ad Hoc Committee Member*
 Nancy Kaufman, L.C.S.W., *Ad Hoc Committee Member*
 Paul C. Lin, M.D., *Society for Assisted Reproductive Technology Program Chair*
 Ruben Alvero, M.D., *Society for Reproductive Endocrinology and Infertility Program Chair*
 Stanton Honig, M.D., *Society for Male Reproduction and Urology Program Chair*
 John Petrozza, M.D., *Society for Reproductive Surgeons Program Chair*
 Brad Milette, B.S., *Society for Reproductive Biologists and Technologists Program Chair*
 Ariadna Cymet Lanski, Psy.D., *Mental Health Professional Group Program Chair*
 Lauren Nervi, N.P., *Nurses' Professional Group Program Chair*
 Molly O'Brien, J.D., *Legal Professional Group Program Chair*
 Blake Welch, M.B.A., *Association of Reproductive Managers Program Chair*
 Lauren J. Isley, M.S., LCGC, *Genetic Counseling Professional Group Program Chair*
- Ricardo Azziz, M.D., M.P.H., M.B.A., *ASRM Chief Executive Officer*
 Chevis N. Shannon, DrPH, MBA, MPH, MERC, *ASRM Chief Education and Science Officer*
 Jody Thrash, M.B.A., *ASRM Education & Research Program Administrator*
 Kimberly B. Kretzer, R.N., M.S.N., *ASRM Manager, Continuing Education*

ASRM VIDEO COMMITTEE

- Michael I Eisenberg, M.D., *Video Program Chair*
 Balasubramanian Bhagavath, M.B.B.S.
 Victor Beshay, M.D.
 T. Arthur Chang, Ph.D., E.L.D., H.C.L.D.
 Emilio Fernandez, M.D.
 Antonio R. Gargiulo, M.D.
 James M. Hotaling, M.D., M.S.
 Kathleen Hwang, M.D.
 Anthony Imudia, M.D.
- Grace Janik, M.D.
 Edward D. Kim, M.D.
 Steven R. Lindheim, M.D.
 Phillip S. Li, M.D.
 Marius Meintjes, D.V.M., Ph.D.
 Charles Miller, M.D.
 Ceana H. Nezhaf, M.D.

ASRM Officers and Board of Directors 2019 – 2020

ASRM OFFICERS

- Catherine Racowsky, Ph.D., *President*
 Hugh Taylor, M.D., *President-Elect*
 Marcelle Cedars, M.D., *Vice President*
 Peter N. Schlegel, M.D., *Immediate Past President*
 Christos Coutifaris, M.D., Ph.D., *Past President*
 Michael Thomas, M.D., *Secretary*
 James Toner, Jr., M.D., Ph.D., *Treasurer*

ASRM BOARD OF DIRECTORS AND THEIR MEMBER SOCIETIES

- Peter Chan, M.D.
 Lee Rubin Collins, J.D.
 Clarisa Gracia, M.D., M.S.C.E.
 Samantha Pfeifer, M.D.
 James Segars, M.D.
 Amy Sparks, Ph.D.

AFFILIATED SOCIETIES

- Paul Lin, M.D., (SART)
 Natan Bar-Chama, M.D., (SMRU)
 Shane Zozula, Ph.D., (SRBT)
 Eve Feinberg, M.D., (SREI)
 Steven Lindheim, M.D., (SRS)

ASRM CHIEF EXECUTIVE OFFICER

- Ricardo Azziz, M.D., M.P.H., M.B.A.

- John Nichols, Jr, M.D.
 Dana A. Ohl, M.D.
 John Petrozza, M.D.
 Marc P. Portmann, M.T., M.H.A., E.L.D.
 Salli Tazuke, M.D.
 Mark Trolice, M.D.
 Togas Tulandi, M.D.

ASRM COMMITTEES 2019-2020

AMA Liaison Committee

Julia V. Johnson, M.D.
 Eric D. Levens, M.D.
 Sean Tipton, M.A., *ex officio*

Audit Committee

Maria Bustillo, M.D., *Chair*
 David Grainger, M.D.
 George Hill, M.D.
 Dan Carre, C.P.A., *ex officio*

Coding Committee

Beth Rackow, M.D., *Chair*
 John Queenan, M.D.
 George A. Hill, M.D.
 R. Matt Coward, M.D.
 Silvina Bocca, M.D., Ph.D.
 Bryan Hecht, M.D.
 Colin Thomas, M.H.A.
 John Parry, M.D.
 Bala Bhagavath, M.D., M.B.B.S.
 Carli Chapman, M.S.
 Ricardo Azziz, M.D., M.B.A, M.P.H,
ex officio
 Richard Reindollar, M.D., *ex officio*
 Jessica Goldstein, R.N., *Staff*

Content Review Committee

William Catherino, M.D., Ph.D., *Chair*
 Irene Souter, M.D.
 Ceana Nezhat, M.D.
 Daniel Kaser, M.D.
 Cigdem Tanrikut, M.D.
 Amanda Ellis, BSN, R.N.
 Lauri Pasch, Ph.D.
 Judy Stern, Ph.D.
 Enrique Soto, M.D.
 Francisco Arredondo, M.D., M.P.H.
 Joao De Pinho, M.D.
 Rui Ferriani, M.D., Ph.D.
 Ricardo Azziz, M.D., M.B.A, M.P.H,
ex officio
 Richard H. Reindollar, M.D., *ex officio*
 Kimberly B. Kretzer, R.N., M.S.N., *Staff*

Continuing Medical Education Committee

Edward Kim, M.D., *Chair*
 Stephanie Estes, M.D.
 Paul Shin, M.D.
 Irene Su, M.D.
 Eric Widra, M.D.
 Arthur Chang, PhD
 Benjie Mills, M.D.
 Ricardo Azziz, M.D., M.B.A, M.P.H,
ex officio
 Richard H. Reindollar, M.D., *ex officio*
 Kimberly B. Kretzer, R.N., M.S.N., *Staff*

Education Committee

Carol Wheeler, M.D., *Chair*
 Ann J. Davis, M.D.
 Steven Lindheim, M.D.
 Chris Herndon, MD
 Rebecca Usadi, M.D.
 Abdelmoneim Younis, DVM, Ph.D.
 Alice Rhoton-Vlasak, M.D.
 Shruthi Mahalingaiah, M.D.
 Melvin Thornton, M.D.
 Ranjith Ramasamy, M.D.
 Monica Chung, M.D.
 Staci Pollack, M.D.
 Divya Shah, M.D., M.Ed.
 David Shin, M.D.
 Kathleen O'Neill, M.D.
 Ricardo Azziz, M.D., M.B.A, M.P.H,
ex officio
 Richard H. Reindollar, M.D., *ex officio*
 Jessica Goldstein, R.N., *Staff*
 Sarah Ramiah, M.S.Ed., *Staff*

Joint ASRM/CAP Laboratory Accreditation Special Commission

G. David Ball, Ph.D.
 Erica Behnke, Ph.D.
 Kelley Jefferson, B.S. *Staff*

Fund Development Committee

David B. Seifer, M.D., *Co-Chair*
 Jacqueline N. Gutmann, M.D., *Co-Chair*
 G. David Adamson, M.D.
 G. Wright Bates, M.D.
 Marian D. Damewood, M.D.
 Owen Davis, M.D.
 William E. Gibbons, M.D.
 Linda Giudice, M.D., Ph.D.
 Emily S. Jungheim, M.D.
 Mehryar K. Kavoussi, J.D., LLM
 Roger D. Kempers, M.D.
 Dolores J. Lamb, Ph.D.
 Roger A. Lobo, M.D.
 Kenneth K. Moghadam, M.D.
 Kamran S. Moghissi, M.D.
 Suheil J. Muasher, M.D.
 Robert Oates, M.D.
 Steven J. Ory, M.D.
 Edwin P. Peterson, M.D.
 Ginny L. Ryan, M.D.
 Rebecca Z. Sokol, M.D., M.P.H.
 Ricardo Azziz, M.D., M.B.A, M.P.H,
ex officio
 Richard H. Reindollar, M.D., *ex officio*
 Dan Carre, C.P.A., *ex officio*
 Vickie Gamble, M.P.P.M., *ex officio*
 Sean Tipton, M.A., *ex officio*

Ethics Committee

Judith F. Daar, J.D., *Chair*
 Katherine Cameron, MD
 Mary Samplaski, M.D.
 Julianne Zweifel, Ph.D.
 Ruth Farrell, M.D., M.A.
 Elizabeth Ginsburg, M.D.
 Joseph Davis, DO
 Lynn Westphal, M.D.
 David Shalowitz, M.D.
 Sigal Klipstein, M.D.
 Jennifer Kawwass, M.D.
 Mandy Katz-Jaffe, M.D.
 Peter Schlegel, M.D.
 Ricardo Azziz, M.D., M.B.A, M.P.H,
ex officio
 Richard Reindollar, M.D., *ex officio*
 Sean Tipton, M.A., *ex officio*
 Jessica Goldstein, R.N., *Staff*

ASRM COMMITTEES 2019-2020

International Advisory Committee

Richard Paulson, M.D., *Chair*
 Anthony J. Rutherford, M.D.
 Basil C. Tarlatzis, M.D., Ph.D.
 Mark C. Bowman, M.D.
 Robert J. Norman, M.D.
 Guido Parra, M.D.
 Ragaa T. Mansour, M.D.
 Bunpei Ishizuka, M.D.
 Humberto Scoccia, M.D.
 Fernando Zegers-Hochschild, M.D.
 Manish R. Banker, M.D.
 Carlos A. Simón, M.D.
 Kersti Lundin, Ph.D.
 Yoshi Morimoto, M.D.
 Michel Abou-Abdallah, M.D. (MEFS)
 Luca Gianaroli, M.D. (ESHRE)
 Gurkan Uncu, M.D.
 Claudio F. Chillik, M.D., Ph.D. (ALMER)
 Rebecca Z. Sokol, M.D., M.P.H.
 Christos Coutifaris, M.D., Ph.D.
 Peter Schlegel, M.D.
 Owen K. Davis, M.D.
 Roger D. Kempers, M.D.
 Kamran S. Moghissi, M.D.
 David Albertini, Ph.D.
 Craig S. Niederberger, M.D.
 Antonio Pellicer, M.D.
 Ricardo Azziz, M.D., M.B.A., M.P.H.,
ex officio
 Richard H. Reindollar, M.D., *ex officio*
 Vickie Gamble, M.P.P.M., *ex officio*
 Chris Whitaker, B.A., *Staff*

Practice Committee

Alan Penzias, M.D., *Chair*
 Sangita Jindal, Ph.D.
 Micah Hill, D.O.
 Cigdem Tanrikut, M.D.
 Karl Hansen, M.D., Ph.D.
 Tommaso Falcone, M.D.
 Jennifer Mersereau, M.D.
 Kristin Bendikson, M.D.
 Anne Steiner, M.D., M.P.H.
 Dale Stovall, M.D.
 Suleena Kalra, M.D., M.S.C.E.
 Robert W. Rebar, M.D.
 Hugh Taylor, M.D.
 Ricardo Azziz, M.D., M.B.A., M.P.H.,
ex officio
 Richard Reindollar, M.D., *ex officio*
 Jessica Goldstein, R.N., *Staff*
 Zac Knight, Ph.D., *Staff*

Patient Education Committee

Kristin Bendikson, M.D., *Chair*
 Jennifer Knudtson, M.D.
 Elizabeth Pritts, M.D.
 Dan Grow, M.D.
 Howard Kim, M.D.
 Lowell Ku, M.D.
 Andy Dorfman, M.S.
 Jessica Spencer, M.D., M.Sc.
 Julie Lamb, M.D.
 Piave Lake, M.D.
 Roxanne Buckmaster, B.S., R.N.
 Andria Besser, M.S.
 Julie Berman
 Rebecca Flick
 Candace Whol
 Lauren Nervi, M.S.N., N.P., R.N., B.S.N.
 Ricardo Azziz, M.D., M.B.A., M.P.H.,
ex officio
 Richard H. Reindollar, M.D., *ex officio*
 Jessica Goldstein, R.N., *Staff*
 Sarah Ramaiah, M.S.Ed., *Staff*

Membership Committee

Sara Mooney, B.A., *Chair*
 Wendy Chang, M.D., *Vice-Chair*
 Alexis Melnick
 Mark Dow, Ph.D.
 Mary Riddle, Ph.D.
 Jeanette Rodriguez, R.N.C.
 Mohamed Bedaiwy, M.D., Ph.D.
 Akanksha Mehta, M.D.
 Lisa Rinehart, J.D., R.N.
 Julie Beckham, M.B.A., *Staff*

Technology Committee

Kenan Omurtag, M.D., *Chair*
 Michael Lanham, M.D.
 John Preston Parry, M.D.
 Jason Yeh, M.D.
 Brian Levine, M.D.
 Serena Chen, M.D.
 Daniel C. Martin, M.D.
 James Hotaling, M.D.
 Alexander Paterszak, M.D., Ph.D.
 Lowell Ku, M.D.
 Michele Cho, M.D.
 Arthur Chang, Ph.D.
 Ricardo Azziz, M.D., M.B.A., M.P.H.,
ex officio
 Richard H. Reindollar, M.D., *ex officio*
 Rusty Howell, M.A., *ex officio*
 Angelia Pitman, *Staff*

Sessions Management Committee







Thornton Beckner, M.D., *Co-Chair*
 Lee Lee Doyle, Ph.D., *Co-Chair*
 Pickens Gantt, M.D., *Co-Chair*
 Emily Barnard, D.O.
 Wendy Chang, M.D.
 Edward E. Moore, MD
 Marguerite K. Shepard, MD
 Romaine B. Bayless, MD
 Paul R. Clisham, MD
 Fereshteh Fahimi, MD
 Joseph G. Gianfortoni, MD
 Gita P. Gidwani, MD
 Young S. Moon, PhD
 Mohammad Mohsenian, MD
 Jay S. Schinfeld, MD
 Sherry L. Singer, MS
 Anne Z. Steiner, MD, MPH
 Edward Younglai, PhD
 Joseph Baumgart, MD
 Grace Centola, PhD
 C. James Chuong, MD
 Susannah C. Copland, MD
 Celia E. Dominguez, MD
 Esther Eisenberg, MD
 Lisa Farah-Eways, MD
 Hugh C. Hensleigh, PhD
 Endrika L. Hinton, MD
 David I. Hoffman, MD
 Satty Gill Keswani, MD
 Hovey Lambert, PhD
 Samuel P. Marynick, MD, PA
 Olufemi A. Olatunbosun, MD, FRCSC
 Alice Rhoton-Vlasak, MD
 Nanette Rollene, MD
 Jan L. Silverman, MA
 Lauri Thomasson, MSN, RN, RNC
 Yulian Zhao, MD, PhD, HCLD, MBA
 Julie Beckham, MBA, *Staff*

Research Committee

Danny Schust, M.D., *Chair*
 Kyle Orwig, Ph.D.
 Marlene Goldman, Ph.D.
 James Hotaling, M.D.
 Nathan Treff, Ph.D.
 Erica Marsh, M.D.
 Bo Yu, DDS, Ph.D.
 Amanda Kallen, M.D.
 Alex Polotsky, M.D.
 Ricardo Azziz, M.D., M.B.A., M.P.H.,
ex officio
 Richard H. Reindollar, M.D., *ex officio*
 Jody Thrash, M.B.A., *Staff*

SCHEDULE-AT-A-GLANCE SATURDAY, OCTOBER 17, 2020

ALL VIRTUAL CONGRESS TIMES ARE IN EASTERN TIME

8:00 am - 9:00 am		Virtual Expo Hall Opens
9:00 am - 9:15 am		ASRM 2020 Opening Ceremony
9:15 am - 9:45 am	Plenary 	President's Guest Lecture: Hacking Darwin: Genetic Engineering and the Future of Humanity
9:55 am - 11:25 am		Oral Abstract Sessions
10:00 am - 11:00 am	Video Abstract Session 1	
10:00 am - 11:00 am	Surgical Video Tutorial	Video Case Studies Surgical Video Tutorial: Uterine Transplantation: Fresh vs Cadaveric and Abdominal vs Minimally Invasive - Which are the Best Options?
11:25 am - 12:25 pm	Lunch/Networking Break	
11:30 am - 12:00 pm	Expert Encounters	
11:30 am - 12:15 pm	Roundtable Discussions 	RD1-01 - RD1-23
12:25 pm - 1:15 pm	Symposia 	<p>KY Cha Symposium in Stem Cell Technology and Reproductive Medicine: Spermatogenesis in a Dish - Challenges and Accomplishments</p> <p>ESHRE Symposium: Recurrent Implantation Failure: An Entity of Embryonic and Maternal Origin</p> <p>Japan Society of Assisted Reproduction (JSAR) Symposium: Latest ART technologies to improve performance of ART programs</p> <p>Expanding Indications for Preimplantation Genetic Testing (PGT) Impact on ART Practices</p> <p>Image-Based Reproductive Surgery and Uterine Transposition: Maximizing Outcomes and Preserving Reproduction</p> <p>Hormones & Thrombosis: A Primer for Clinicians and Roadmap for Researchers</p> <p>Caring for Sexual and Gender Minorities: Optimizing Care of Lesbian, Gay, and Transgender Patients</p>
1:25 pm - 1:55 pm	Plenary 	TBD Subject: COVID-19
2:00 pm - 2:50 pm	MHPG Clinical Session	Perinatal Mental Health: What Happens after Assisted Reproduction?
2:00 pm - 3:30 pm		Oral Abstract Sessions
3:00 pm - 3:30 pm	Plenary 	The David and Rosemary Adamson Lecture on Excellence in Reproductive Medicine: Changing the Reproductive Rights Conversation
3:40 pm - 4:30 pm	NPG Clinical Session	What You Need to Know About Ultrasound in Reproductive Medicine - Day 1
3:40 pm - 4:30 pm	Interactive Sessions 	<p>Fertility Patient Support Strategies</p> <p>How to Obtain Funding from Different Sources: The NIH, Academia and Private Companies</p> <p>Lifestyle and Genetics: High and Low Tech Approaches to Recurrent Pregnancy Loss</p> <p>Troubleshooting the Laboratory: Identifying Issues and Potential Areas of Risk</p> <p>Decision Making and Advanced Surgical Techniques in Cases of Non-obstructive Azoospermia and Non-azoospermia</p> <p>Advances and Breakthroughs in PGT-A</p>
4:30 pm - 6:00 pm		Poster Sessions and Virtual Expo Hall hours






SCHEDULE-AT-A-GLANCE SUNDAY, OCTOBER 18, 2020

ALL VIRTUAL CONGRESS TIMES ARE IN EASTERN TIME

8:00 am - 9:00 am		Virtual Expo Hall Opens
9:00 am - 9:30 am	Plenary 	Camran Nezhat, M.D. Lectureship in Innovations in Medicine: Innovations in Genetic Analysis of Embryos
9:40 am - 11:10 am		Oral Abstract Sessions
10:00 am - 11:00 am	Video Abstract Session 2	
11:10 am - 12:10 pm	Lunch/Networking Break	
11:15 am - 12:00 pm	Roundtable Discussions 	RD2-01 - RD2-23
11:30 am - 12:00 pm	Expert Encounters	
12:10 pm - 1:00 pm	Symposia 	Howard and Georgeanna Jones Endowed Symposium on Assisted Reproductive Technology: Mechanisms of Ovarian Follicle Development: Scientific Basis of Performing Sound Ovarian Stimulation Middle East Fertility Society (MEFS) Symposium: Management of Mosaic Embryos After PGT-A Mexican Association of Reproductive Medicine (AMMR) Symposium: Clinical and Molecular Characteristics Predictive of Implantation Rates The Challenges of Patient Retention: Innovative Methods to Decrease the Physical and Emotional Burden of Undergoing Infertility Treatment Examining Genetic Risk for Gamete Donors: Current Approaches to Family History and Carrier Screening US Food & Drug Administration (FDA) Symposium: Reproductive HCT/P Donor Eligibility and Compliance Update for Reproductive HCT/P Establishments
1:10 pm - 1:40 pm	Plenary 	TBD Subject: Health Equity in Medicine
1:50 pm - 2:40 pm	MHPG Clinical Session	I Have a Question I Want to Answer. Now What Do I Do?
1:50 pm - 3:20 pm		Oral Abstract Sessions
2:50 pm - 3:20 pm	Plenary 	The Society of Reproductive Surgeons (SRS) Lecture: Reproductive Surgical Expertise in Resource Poor Africa: Needs & Solutions
3:30 pm - 4:20 pm	NPG Clinical Session	What You Need to Know About Ultrasound in Reproductive Medicine - Day 2
3:30 pm - 4:20 pm	Interactive Sessions 	Antioxidants and Male Fertility: Should Men Take Supplements or Not? Barriers to Adenomyosis Discovery and Treatment Embryos v. Eggs? Emerging Fertility Preservation Challenges My Patient Has Fibroids and Now Wants to Get Pregnant! What Do I Recommend? Reproductive Immunology and ART: A Second Look SART Reporting: "How to" Guide?
4:30 pm - 6:00 pm		Poster Sessions and Virtual Expo Hall hours







SCHEDULE-AT-A-GLANCE MONDAY, OCTOBER 19, 2020

ALL VIRTUAL CONGRESS TIMES ARE IN EASTERN TIME

8:00 am - 9:00 am		Virtual Expo Hall Opens
9:00 am - 9:30 am	Plenary 	Special Lecture: Andy & Sofia
9:40 am - 11:10 am		Oral Abstract Sessions
11:10 am - 12:10 pm -		Fertility & Sterility Journal Club Global - LIVE at ASRM 2020
11:10 am - 12:10 pm	Lunch/Networking Break	
11:15 am - 12:00 pm	Roundtable Discussions 	RD3-01 - RD3-22
11:30 am - 12:00 pm	Expert Encounters	
12:10 pm - 1:00 pm	Symposia 	The ABOG Foundation - Kenneth J. Ryan Ethics Symposium: Dilemmas in Gamete Donation: Honoring Prior Promises in an Era of Vanishing Anonymity AE-PCOS Society Symposium: Impact of Lifestyle Intervention on Health Outcomes in Polycystic Ovary Syndrome Interpreting PGT-A Results and Examining Mosaicism Parental Decisions about Disclosure in Donor-Assisted Reproduction: Where Does the Journey Lead after Parents Leave the Infertility Clinic? Endometrial Factors: Optimizing Early Pregnancy Success in IVF Challenges of Testicular Cancer Treatments
1:10 pm - 1:40 pm	Plenary 	American Urological Association Bruce Stewart Memorial Lecture: Next Generation Therapies for Male Infertility
1:50 pm - 2:40 pm	MHPG Clinical Session	Ethical Considerations for Psychological Testing in Third-Party Evaluations
1:50 pm - 3:20 pm		Oral Abstract Sessions
3:30 pm - 4:20 pm	NPG Clinical Session	What You Need to Know About Ultrasound in Reproductive Medicine - Day 3
3:30 pm - 4:20 pm	Interactive Sessions 	Climate Change and Reproductive Health Optimization of the Embryo and Couple in Male Factor Infertility: Interplay between Reproductive Endocrinology, Embryologist and Reproductive Urologist in Cases Involving Possible Sperm Extraction Evidence Based Embryo Transfer: Maximizing Implantation What We All Do, We Still Do Differently: The Continuing Debated Questions in the IVF Lab Insurance Mandates for Fertility Preservation: A Tool Kit for Working with Your Legislature How to Empower Patients with Genetic Information While Minimizing Burden on the IVF Clinic
4:30 pm - 6:00 pm		Poster Sessions and Virtual Expo Hall hours






SCHEDULE-AT-A-GLANCE TUESDAY, OCTOBER 20, 2020

ALL VIRTUAL CONGRESS TIMES ARE IN EASTERN TIME

8:00 am - 9:00 am		Virtual Expo Hall Opens
9:00 am - 9:30 am	Plenary 	Herbert H. Thomas Plenary Lecture: How the early environment shapes later health: the fundamental importance of a good start in life
9:40 am - 11:10 am		Oral Abstract Sessions
11:10 am - 12:10 pm	Lunch/Networking Break	
11:15 am - 12:00 pm	Roundtable Discussions 	RD4-01 - RD4-21
11:30 am - 12:00 pm	Expert Encounters	
12:10 pm - 1:00 pm	Symposia 	Society for the Study of Reproduction (SSR) Symposium: Tissue Engineering and Microfluidics to Study the Female Reproductive Tract in New Ways Transgender Women: Gender Affirmation Surgery and Fertility Counseling Surviving Cancer: Optimizing Reproductive Health in Adolescent and Young Adult Survivorship Today's Donor Egg Program: Keeping up with Technological Advances and the Legal Climate Mapping of the Patient Journey: New Patient Acquisition, Retention, and Conversion to Treatment Paternal Age and Male Reproduction
1:10 pm - 1:40 pm	Plenary 	SSR Keynote Lecture: From Glowing Penis to Oocyte-Producing Testis: The Power of Mouse Genetics on the Understanding of Human Reproductive Biology and Diseases
1:50 pm - 2:40 pm	MHPG Clinical Session	Roe v Wade, Gestational Surrogacy, and the Future: Navigating Ethical and Clinical Issues in an Evolving Legal Landscape
1:50 pm - 3:20 pm		Oral Abstract Sessions
2:50 pm - 3:20 pm	Plenary 	Contraception Keynote Lecture: Venous Thrombosis and Hormonal Contraception
3:30 pm - 4:20 pm	Interactive Sessions 	Care for Transgender and Gender-Nonconforming Adolescents How To Successfully Transition to a Practice Management Role at a Reproductive Medicine Clinic Benefits and Limitations of Time Lapse Imaging and AI in ART Diagnostic Thresholds for Defining PCOS Features: A Moving Target Complex Family Planning Fellows Showcase: Frontiers of Contraceptive Research Lifestyle Issues in Male and Female Reproduction
4:30 pm - 6:00 pm		Poster Sessions and Virtual Expo Hall hours

SCHEDULE-AT-A-GLANCE WEDNESDAY, OCTOBER 21, 2020

ALL VIRTUAL CONGRESS TIMES ARE IN EASTERN TIME

8:00 am - 9:00 am		Virtual Expo Hall Opens
9:00 am - 9:30 am		ASRM Members' Meeting and Congress Prize Presentations
9:40 am - 11:10 am		Oral Abstract Sessions
11:10 am - 12:10 pm	Lunch/Networking Break	
11:15 am - 12:00 pm	Roundtable Discussions 	RD5-01 - RD5-20
12:10 pm - 1:00 pm	Symposia 	Male Fertility Preservation in Unique Populations Cultural Considerations in International Surrogacy Arrangements Fertility Preservation in Women with Breast Cancer When Ovaries Don't Act Their Age: Primary Ovarian Insufficiency (POI) Culinary Medicine For Fertility
1:10 pm - 1:40 pm	Plenary 	Improving Access to Reproductive Medicine Services in Emerging Countries
1:50 pm - 2:40 pm	Interactive Sessions 	My Patient Has a Mosaic Embryo... How Do I Handle This? Successful Strategies for Increasing Access to Infertility Care Culture Media: Back to Basics A Novel Approach: New Research Methodologies to Identify Potential Patients How would you like your Eggs?: Known, Unknown, Frozen, Donated, Fertilized or Saved for later? The Law, Medicine, Psychology of Frozen Eggs
2:50 pm - 3:20 pm	Plenary 	Menopause Keynote Lecture: The Genetic Influence on Menopause, Early Menopause and Primary Ovarian Insufficiency
4:30 pm - 6:00 pm		Poster Sessions and Virtual Expo Hall hours







SCHEDULE-AT-A-GLANCE POSTGRADUATE

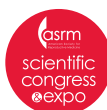
PRE-CONGRESS COURSES ARE NOW CALLED POSTGRADUATE COURSES AND ARE ON-DEMAND BEGINNING THURSDAY, OCTOBER 22, 2020 THROUGH DECEMBER 31, 2020.

FULL DAY COURSES

PG03 	Clinical Management and Communication of Mosaic Results from PGT-A
PG04 	Frontiers and Controversies in ART: Non-Invasive Embryo Selection, Gene Editing, Artificial Gametes, and AI
PG05 	Early Pregnancy Loss Management: The Tried, The True, and The New from Surgery to Genetics
PG06 	Paths to Parenting for the LGBTQ Community: Ethics, Decisions, Challenges and Hope
PG07 	Human Reproductive Tissue Cryopreservation: The Lab Science and the Social Science
PG08 	State of the ART of Non-Ejaculated Sperm and the Reproductive Lab
PG09 	Pediatric and Adolescent Gynecology: Preparing for Practice
PG15 	Development and Maintenance of a Third-Party Reproduction Team: Setting the Standard for Excellence
PG16 	Coding for Reproductive Medicine Practices in 2020
PG17 	Back to the Future: Genetics and Family Building Choices - Medical, Psychosocial, Nursing and Legal Considerations
PG19 	Thinking Outside the Box: Unique Populations for Fertility Preservation in 2020
PG20 	Truths and Myths, Debate on Lifestyle Issues for Male and Female Reproduction, the Embryo and Offspring
PG21 	Focus on Ultrasound Imaging for Fertility, Early Pregnancy, Consequences and Appropriate Reproductive Counseling
PG22 	Recurrent Implantation Failure
PG23 	Delivering Exceptional Care: Personalized Practice in the Embryology Laboratory
PG24 	Tissue Engineering and Modeling in Reproduction

HALF DAY COURSES

PG01 	Optimizing Clinic Staff Retention and Experience - Communication, Supportive Care and Educational Tools
PG02 	Interpreting Studies and Results in Reproductive Health: Critical Knowledge to Practice Evidence-Based Medicine
PG10 	Infertility: Did Someone Mention Men? Contemporary Psychosocial and Medical Issues in Male Factor Infertility
PG11 	The Patient Experience: The Good, The Bad and The Ugly
PG12 	Fat and Fertility: Evidence from Basic, Epidemiologic, and Clinical Research
PG13 	Bridging the Gaps in Access to Care
PG14 	Challenging Issues for a Fertility Practice
PG18 	Polycystic Ovary Syndrome (PCOS) Across the Reproductive Life Course
PG26 	A Team Approach to Providing Early Pregnancy Loss Care in the Emergency Department and Outpatient Settings
PG27 	Fertility Preservation for Patients with Primary Ovarian Insufficiency



ASRM Scientific Congress Policies and Disclaimers

CANCELLATION POLICY

The American Society for Reproductive Medicine reserves the right to cancel this activity due to unforeseen circumstances. In the event of such cancellation, the full registration fee will be returned to the registrant.

REFUND/NON-ATTENDANCE POLICY

Cancellations received on or before September 17th, will receive a full refund minus a \$150 processing fee. Cancellation requests must be submitted in writing. Cancellations received after September 17th will not be eligible for a refund.

ADA STATEMENT

The American Society for Reproductive Medicine fully complies with the legal requirements of the Americans with Disabilities Act (ADA) and the rules and regulations thereof. Please notify the

American Society for Reproductive Medicine, 1209 Montgomery Highway, Birmingham, Alabama, USA, 35216, telephone 1-205-978-5000, a minimum of 10 working days in advance of the event if a reasonable accommodation for a disability is needed.

EQUAL OPPORTUNITY STATEMENT

The American Society for Reproductive Medicine values and promotes diversity among its members, officers, and staff. The Society prohibits discrimination toward any member or employee due to race, color, religion, age, gender, sexual orientation, national origin, citizenship, disability, military status, or other basis prohibited by law. ASRM strives to achieve gender, racial, and ethnic balance in hiring and governance. ASRM maintains policies, procedures, and personnel actions that conform to the letter

and spirit of all laws and regulations pertaining to equal opportunity and nondiscrimination in employment, appointments, and elections to office.

DISCLAIMER STATEMENT

The content and views presented in this educational activity are those of the faculty/authors and do not necessarily reflect those of the American Society for Reproductive Medicine. This material is prepared based on a review of multiple sources of information, but it is not exhaustive of the subject matter. Therefore, healthcare professionals and other individuals should review and consider other publications and materials on the subject matter before relying solely upon the information contained within this educational activity to make clinical decisions about individual patients.



Registration Information

Register online at www.asrmcongress.org and receive immediate confirmation!

POSTGRADUATE COURSE REGISTRATION FEES

	Member Price	Non-member Price
Doctoral		
One 1-day course	\$250	\$450
Cost per each additional 1-day course	\$200	\$350
Half-day Course		
Half-day Course	\$125	\$225
Cost per each additional half-day course	\$100	\$175
Non-Doctoral		
One 1-day course	\$200	\$350
Cost per each additional 1-day course	\$150	\$250
Half-day Course		
Half-day Course	\$100	\$175
Cost per each additional half-day course	\$ 75	\$125
Resident-in-Training/Fellow		
One 1-day course	\$150	\$250
Cost per each additional 1-day course	\$100	\$150
Half-day Course		
Half-day Course	\$ 75	\$125
Cost per each additional half-day course	\$ 50	\$ 75

SCIENTIFIC CONGRESS REGISTRATION FEES

	Member Price	Non-member Price
Doctoral	\$400	\$750
Non-Doctoral	\$300	\$550
ASRM Life Member	\$250	\$250
Fellow <i>(Proof-of-status letter from chair/dept. head required)</i>	\$200	\$350
Resident-in-Training	\$ 55	\$ 99
Full-time Student <i>(Full-time medical students and full-time graduate students working toward first doctorate; documentation required)</i>	\$ 55	\$ 99

TICKETED EVENTS

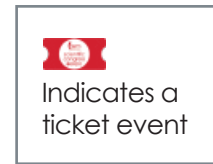
Roundtable Luncheons

(You may attend only one Roundtable Luncheon per day)

Daily Schedule Key to Abbreviations

Affiliated Societies

SART	Society for Assisted Reproductive Technology
SMRU	Society for Male Reproduction and Urology
SRBT	Society of Reproductive Biologists and Technologists
SREI	Society for Reproductive Endocrinology and Infertility
SRS	Society of Reproductive Surgeons



Professional Groups

ARM	Association of Reproductive Managers
GCPG	Genetic Counseling Professional Group
LPG	Legal Professional Group
MHPG	Mental Health Professional Group
NPG	Nurses' Professional Group

Special Interest Groups

ATCSIG	Access to Care Special Interest Group
AESIG	Androgen Excess Special Interest Group
CIMSIG	Complementary and Integrative Medicine Special Interest Group
CFPSIG	Complex Family Planning Special Interest Group
ChSIG	Chinese Special Interest Group
EndoSIG	Endometriosis Special Interest Group
EPSIG	Early Pregnancy Special Interest Group
ERSIG	Environment and Reproduction Special Interest Group
FPSIG	Fertility Preservation Special Interest Group
FSIG	Fibroids Special Interest Group
HDSIG	Health Disparities Special Interest Group
ISIG	Indian Special Interest Group
IRMSIG	Imaging in Reproductive Medicine Special Interest Group
LGBTQSIG	LGBTQ Special Interest Group
MOISIG	Menopause and Ovarian Insufficiency Special Interest Group
NutriSIG	Nutrition Special Interest Group
PAGSIG	Pediatric and Adolescent Gynecology Special Interest Group
PGTSIG	Preimplantation Genetic Testing Special Interest Group
PSSIG	Physician-Scientists' Special Interest Group
RISIG	Reproductive Immunology Special Interest Group
RMSCBSIG	Regenerative Medicine and Stem Cell Biology Special Interest Group
TSIG	Turkish Special Interest Group
UTSIG	Uterine Transplant Special Interest Group (Forming)
WC	Women's Council

Partner Groups

AE-PCOS Society	Androgen Excess and Polycystic Ovary Syndrome Society
ALMER	Latin American Association for Reproductive Medicine
AMMR	Mexican Association of Reproductive Medicine
ASPIRE	Asia Pacific Initiative in Reproduction
CFAS	Canadian Fertility and Andrology Society
CSRM	Chinese Society of Reproductive Medicine
ESHRE	European Society of Human Reproduction and Embryology
ISAR	Indian Society for Assisted Reproduction
JSAR	Japan Society of Assisted Reproduction
MEFS	Middle East Fertility Society
SSR	Society for the Study of Reproduction

FINAL PROGRAM DAILY SCHEDULE



AMERICAN SOCIETY FOR REPRODUCTIVE MEDICINE
ASRM 2020
DYNAMIC COLLABORATIONS
IN REPRODUCTIVE MEDICINE
VIRTUAL CONGRESS • OCTOBER 2020

76TH ASRM SCIENTIFIC CONGRESS

SATURDAY, OCTOBER 17, 2020

8:00 am - 9:00 am
Virtual Expo Hall Opens

9:00 am - 9:15 am
ASRM 2020 Opening Ceremony

9:15 am - 9:45 am **CME**
Plenary
President's Guest Lecture: Hacking Darwin: Genetic Engineering and the Future of Healthcare, Assisted Reproduction, and Humanity
Endowed by a 1987 grant from Ortho Women's Health
Jamie Metzl, Ph.D., J.D.
Atlantic Council

9:55 am - 11:25 am
Oral Abstract Sessions

10:00 am - 11:00 am
Video Abstract Session 1

10:00 am - 11:00 am **CME**
Interactive Session
Video Case Studies
Surgical Video Tutorial: Uterine Transplantation: Fresh vs Cadaveric and Abdominal vs Minimally Invasive - Which are the Best Options?
Liza Johannesson, M.D., Ph.D. (Chair)
Baylor University Medical Center
Rebecca Flyckt, M.D.
Cleveland Clinic Foundation
Kathleen O'Neill, M.D., M.S.T.R.
Baylor University Medical Center

11:25 am - 12:25 pm
General Information
Saturday Lunch/Networking Break

11:30 am - 12:00 pm
Expert Encounter
Next Generation Therapies for Infertility
Kyle E Orwig, Ph.D.
University of Pittsburgh School of Medicine

11:30 am - 12:15 pm
Roundtables

12:25 pm - 1:15 pm **CME**
Symposium
Expanding Indications for Preimplantation Genetic Testing (PGT) – Impact on ART Practices
Joe Leigh Simpson, M.D. (Chair)
Florida International University
Svetlana Rechitsky, Ph.D.
Reproductive Genetic Innovations
Semra Kahraman, Prof. M.D.
Istanbul Memorial Hospital

12:25 pm - 1:15 pm **CME**
Symposium
Image-Based Reproductive Surgery and Uterine Transposition: Maximizing Outcomes and Preserving Reproduction
Stephanie J Estes, M.D. (Chair)
Penn State Milton S. Hershey Medical Center
Reitan Ribiero, M.D.
Preston Parry, M.D.
Paryscope Fertility

12:25 pm - 1:15 pm **CME**
Symposium
Hormones & Thrombosis: A Primer for Clinicians and Roadmap for Researchers
Jamie Krashin, M.D., M.S.C.R. (Chair)
University of New Mexico
Bethany T Samuelson Bannow, M.D.
Oregon Health and Science University
Antoinette Nguyen, M.D., M.P.H. (Co-Chair)
Centers for Disease Control and Prevention

12:25 pm - 1:15 pm **CME**
Symposium
Japan Society of Assisted Reproduction (JSAR) Symposium: Latest ART technologies to improve performance of ART programs
Atsushi Fukui, M.D., Ph.D. (Chair)
Hyogo College of Medicine
Kiyotaka Kawai, M.D., Ph.D.
Kameda Medical Center
Kenichiro Hiraoka, Ph.D.
Kameda IVF Clinic Makuhari

12:25 pm - 1:15 pm **CME**
Symposium
ESHRE Symposium: Recurrent Implantation Failure: An Entity of Embryonic and Maternal Origin
Bettina Toth, Professor (Chair)
Medical University Innsbruck
Danilo Cimadomo, Ph.D.
GENERA, Center for Reproductive Medicine
Thomas Strowitzki, M.D.
GENERA, Center for Reproductive Medicine
Markus HM Montag, Ph.D.
ilabcomm GmbH, Eisenachstr

12:25 pm - 1:15 pm **CME**
Symposium
Caring for Sexual and Gender Minorities: Optimizing Care of Lesbian, Gay, and Transgender Patients
Mark Leondires, M.D. (Chair)
Reproductive Medicine Associates of Connecticut
Juno Obedin-Maler, M.D., M.P.H., M.A.S.
Stanford University
Trystan A Reese, A.A.
Family Equality Council
Christina Robertson
Reproductive Medicine Associates of Connecticut

12:25 pm - 1:15 pm **CME**
Symposium
KY Cha Symposium in Stem Cell Technology and Reproductive Medicine: Spermatogenesis in a Dish - Challenges and Accomplishments Supported by the Asia-Pacific Biomedical Research Foundation
Philip W. Jordan, Ph.D. (Chair)
Johns Hopkins University Bloomberg School of Public Health
Zuping He, Ph.D.
Hunan Normal University
Geert Hamer, Ph.D.

1:25 pm - 1:55 pm **CME**
Plenary
Plenary Lecture: Considerations for Providing Reproductive Care to Women in the Era of COVID-19
Kiran M. Perkins, M.D., M.P.H.
Centers for Disease Control and Prevention, Division of Healthcare Quality Promotion

FINAL PROGRAM DAILY SCHEDULE



AMERICAN SOCIETY FOR REPRODUCTIVE MEDICINE
ASRM 2020
DYNAMIC COLLABORATIONS
IN REPRODUCTIVE MEDICINE
VIRTUAL CONGRESS • OCTOBER 2020

76TH ASRM SCIENTIFIC CONGRESS

2:00 pm - 2:50 pm
MHPG Clinical Session
Perinatal Mental Health:
What Happens after Assisted
Reproduction?

Teni Davoudian, Ph.D. (Chair)
Solo Private Practice
Laura S. Covington, Ph.D., M.S.W.
Shady Grove Fertility

2:00 pm - 3:30 pm
Oral Abstract Sessions

3:00 pm - 3:30 pm
Plenary CME
The David and Rosemary Adamson
Lecture on Excellence in
Reproductive Medicine: Changing
the Reproductive Rights Conversation
Endowed by Advanced
Reproductive Care, Inc. and
Rosemary and David Adamson, M.D.
Jessica L. Waters, J.D.
American University

3:40 pm - 4:30 pm
Interactive Session CME
Fertility Patient Support Strategies
Nichole M Barker, D.O. (Chair)
Seattle Reproductive Medicine
Nichole M Barker, D.O.
Seattle Reproductive Medicine
Lee Hullender Rubin, D.A.O.M.
Osher Center for Integrative
Medicine University of California
San Francisco
Rachelle L Mallik, M.A., R.D., L.D.N.
Osher Center for Integrative
Medicine University of California
San Francisco
Anne Judge, D.N.P., A.R.N.P.,
W.H.N.P.-B.C.
Seattle Reproductive Medicine

3:40 pm - 4:30 pm
Interactive Session CME
Lifestyle and Genetics: High and
Low Tech Approaches to Recurrent
Pregnancy Loss
Jeanette Tomasino, Ph.D. (Chair)
Northwell Health Fertility, Zucker
School of Medicine at Hofstra/
Northwell
Ruth Bunker Lathi, MD
Stanford Fertility and Reproductive

Medicine Center
Alleigh L.H. Boyd, .MS.
Stanford University

3:40 pm - 4:30 pm
Interactive Session CME
Advances and Breakthroughs in PGT-A
Carlos Simón, M.D., Ph.D. (Co-Chair)
University of Valencia; Igenomix
Foundation-INCLIVA
Nathan R Treff, Ph.D., H.C.L.D. (Co-Chair)
Genomic Prediction

3:40 pm - 4:30 pm
Interactive Session CME
Troubleshooting the Laboratory:
Identifying Issues and Potential
Areas of Risk
Jason E. Swain, Ph.D., H.C.L.D.
(Co-Chair)
CCRM Fertility Network
Kathryn J Go, Ph.D. (Co-Chair)
Boston IVF - the Maine Center

3:40 pm - 4:30 pm
Interactive Session CME
Decision Making and Advanced
Surgical Techniques in Cases of
Non-obstructive Azoospermia and
Non-azoospermia
Mark Sigman, M.D. (Chair)
Brown University
Alexander W. Pastuszak, M.D., Ph.D.
University of Utah School of
Medicine
Sandro C. Esteves, M.D., Ph.D.
ANDROFERT & University of
Campinas (UNICAMP)

3:40 pm - 4:30 pm
Clinical Session CME
NPG Clinical Session: What You
Need to Know About Ultrasound in
Reproductive Medicine - Day 1
Lauren Nervi, N.P.-C. (Chair)
IVI-RMA Global
Hayley Eichlin, D.N.P., A.P.R.N.,
W.H.N.P.-B.C.
RMANJ

3:40 pm - 4:30 pm
Interactive Session CME
How to Obtain Funding from
Different Sources: The NIH,
Academia and Private Companies

William Catherino, M.D., Ph.D. (Chair)
Uniformed Services University of the
Health Sciences
Lisa Halvorson, M.D.
Eunice Kennedy Shriver National
Institutes of Child Health and
Human Development, National
Institutes of Health
Carlos Simón, M.D., Ph.D.
University of Valencia; Igenomix
Foundation-INCLIVA

4:30 pm - 6:00 pm
Poster Sessions and Virtual Expo
Hall hours

SUNDAY, OCTOBER 18, 2020

8:00 am - 9:00 am
Virtual Expo Hall Opens

9:00 am - 9:30 am
Plenary Session CME
Camran Nezhat, M.D. Lectureship in
Innovations in Medicine: Innovations
in Genetic Analysis of Embryos
Endowed by a 2011 Gift from
Camran Nezhat, M.D. Dr. Camran
Nezhat pioneered techniques of
video-assisted endoscopic surgery,
which revolutionized modern day
surgery. He along with his brothers,
Drs. Farr and Ceana Nezhat,
performed some of the most
advanced procedures with these
techniques for the first time, thus
opening the vistas for endoscopic
surgeons all over the world.
Xiaoliang Sunney Xie, Ph.D.
Peking University

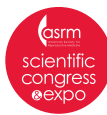
9:40 am - 11:25 am
Oral Abstract Sessions

10:00 am - 11:00 am
Video Abstract Session 2

11:10 am - 12:10 pm
General Information
Sunday Lunch/Networking Break

11:15 am - 12:00 pm
Roundtables





11:15 am - 12:00 pm
Expert Encounters

12:10 pm - 1:00 pm
Symposium

CME

Middle East Fertility Society (MEFS)
Symposium: Management of Mosaic Embryos After PGT-A

Botros M. Rizk, M.D., F.A.C.O.G., F.Ac.C.S., H.C.L.D., F.R.C.O.G. (Chair)
Professor and Head REI and Medical Director CEF
Glenn Schattman, M.D.
Ronald O. Perlman and Claudia Cohen Center for Reproductive Medicine
Norbert Gleicher, M.D.
Foundation for Reproductive Medicine

12:10 pm - 1:00 pm
Symposium

CME

US Food & Drug Administration (FDA)
Symposium: Reproductive HCT/P Donor Eligibility and Compliance Update for Reproductive HCT/P Establishments

Ping He, M.D. (Chair)
Food and Drug Administration, Center for Biologic Evaluation and Research
Simone P. Porter, M.D., M.P.H.
Food and Drug Administration, Center for Biologic Evaluation and Research

12:10 pm - 1:00 pm
Symposium

CME

Examining Genetic Risk for Gamete Donors: Current Approaches to Family History and Carrier Screening

Tamara Tobias, A.R.N.P. (Chair)
Seattle Reproductive Medicine
Lauren Isley, M.S., C.G.C.
California Cryobank
Gina Davis, M.S., L.C.G.C.
Advocate Genetics
Amy C. Vance, M.S., L.C.G.C.
Bay Area Genetic Counseling

12:10 pm - 1:00 pm
Symposium

CME

The Challenges of Patient Retention: Innovative Methods to Decrease the Physical and Emotional Burden of Undergoing Infertility Treatment

Alice D. Domar, Ph.D. (Chair)
Boston IVF

Denny Sakkas, Ph.D.
Boston IVF
Thomas L. Toth, M.D.
Boston IVF

12:10 pm - 1:00 pm
Symposium

CME

Howard and Georgeanna Jones Endowed Symposium on Assisted Reproductive Technology: Mechanisms of Ovarian Follicle Development: Scientific Basis of Performing Sound Ovarian Stimulation

Endowed by a 2010 educational grant from EMD Serono, Inc.
Kutluk H Oktay, M.D., Ph.D. (Chair)
Yale University School of Medicine
Amanda Nicole Kallen, M.D.
Yale University
Samir Babayev, M.D.
Yale University School of Medicine

12:10 pm - 1:00 pm
Symposium

CME

Mexican Association of Reproductive Medicine (AMMR) Symposium: Clinical and Molecular Characteristics Predictive of Implantation Rates

1:10 pm - 1:40 pm
Plenary

CME

Health Equity in Medicine

Patrice A. Harris, MD, MA.
Immediate Past President, American Medical Association

1:50 pm - 2:40 pm

MHPG Clinical Session Researching ART Families: Past, Present, and Future Challenges

Sarah Holley, Ph.D. (Chair)
University of California, San Francisco
Susan Golombok, Ph.D.
University of Cambridge

1:50 pm - 3:20 pm
Oral Abstract Sessions

2:50 pm - 3:20 pm
Plenary

CME

The Society of Reproductive Surgeons (SRS) Lecture: Reproductive Surgical Expertise in Resource Poor Africa: Needs & Solutions

Endowed by a 1990 grant from Ethicon Endo-Surgery, Inc.
Alfred Murage, M.D., F.R.C.O.G.(UK)
Aga Khan University Hospital

3:30 pm - 4:20 pm
Interactive Session

CME

SART Reporting: "How to" Guide?

Kevin J. Doody, M.D. (Chair)
CARE Fertility
Ethan Wantman, M.B.A.
Redshift Technologies, Inc.
Amy E. Sparks, Ph.D.
University of Iowa Center for Advanced Reproductive Care

3:30 pm - 4:20 pm
Interactive Session

CME

Embryos v. Eggs? Emerging Fertility Preservation Challenges

Susan Crockin, J.D. (Chair)
Georgetown University
Michael Levy, M.D.
Georgetown University
Angela K. Lawson, Ph.D.
Northwestern University
Heather E. Ross, J.D.
Ross & Zuckerman, LLP

3:30 pm - 4:20 pm
Interactive Session

CME

Reproductive Immunology and ART: A Second Look

Navid Esfandiari, PhD, HCLD (Chair)
Dartmouth Hitchcock Medical Center
David F Albertini, PhD, M.S.
University of Vermont Medical Center
Peter Holoch, M.D.
University of Vermont Medical Center
Svetlana Dambaeva, Ph.D.
Rosalind Franklin University of Medicine and Science

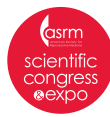
3:30 pm - 4:20 pm
Interactive Session

CME

My Patient Has Fibroids and Now Wants to Get Pregnant! What Do I Recommend?

Shannon Laughlin-Tommaso, M.D. (Chair)
Mayo Clinic
Erica E. Marsh, M.D., M.S.C.I., F.A.C.O.G.
University of Michigan
Antonio R. Gargiulo, M.D.

FINAL PROGRAM DAILY SCHEDULE



AMERICAN SOCIETY FOR REPRODUCTIVE MEDICINE
ASRM 2020
DYNAMIC COLLABORATIONS
IN REPRODUCTIVE MEDICINE
VIRTUAL CONGRESS • OCTOBER 2020

76TH ASRM SCIENTIFIC CONGRESS

3:30 pm - 4:20 pm
NPG Clinical Session **CME**

**What You Need to Know About
Ultrasound in Reproductive
Medicine - Day 2**

Hayley Eichlin, D.N.P., A.P.R.N.,
W.H.N.P.-B.C. (Chair)
RMANJ

Tamara Tobias, A.R.N.P.
Seattle Reproductive Medicine
Lauren Nervi, N.P.-C.
IVI-RMA Global

3:30 pm - 4:20 pm
Interactive Session **CME**

**Antioxidants and Male Fertility:
Should Men Take Supplements or
Not?**

Audrey J Gaskins, Sc.D. (Chair)
Emory University, Rollins School of
Public Health

Jorge E Chavarro, M.D., Sc.D.
Harvard School of Public Health
Anne Z Steiner, M.D., M.P.H.
Duke University Medical Center

3:30 pm - 4:20 pm
Interactive Session **CME**

**Barriers to Adenomyosis Discovery
and Treatment**

Steven R. Lindheim, M.D.(Chair)
Wright State University
Rony Elias, M.D.

The Ronald O. Perelman and
Claudia Cohen Center for
Reproductive Medicine, Weill
Cornell Medicine

4:30 pm - 6:00 pm
**Poster Sessions and Virtual Expo
Hall hours**

MONDAY, OCTOBER 19, 2020

8:00 am - 9:00 am
Virtual Expo Hall Opens

9:00 am - 9:30 am
Plenary **CME**

**Special Lecture: Andy & Sofia
Andres Trevino**

9:40 am - 11:25 am
Oral Abstract Sessions

11:10 am - 12:10 pm
General Information
Monday Lunch/Networking Break

11:10 am - 12:10 pm
Fertility & Sterility Journal Club
Global - LIVE at ASRM 2020

11:15 am - 12:00 pm
Roundtables

12:10 pm - 1:00 pm
Symposium **CME**

**Challenges of Testicular Cancer
Treatments**

Phillip Pierorazio, M.D.(Chair)
Johns Hopkins University Bloomberg
School of Public Health

Clare Turnbull
Johns Hopkins School of Medicine

12:10 pm - 1:00 pm
Symposium **CME**

**Endometrial Factors: Optimizing
Early Pregnancy Success in IVF**

Winifred Mak, M.D., Ph.D. (Chair)
University of Texas Austin
William H Kutteh, MD., Ph.D.

Fertility Associates of Memphis
Lia A. Bernardi, M.D.
Northwestern University

12:10 pm - 1:00 pm
Symposium **CME**

**The ABOG Foundation - Kenneth J.
Ryan Ethics Symposium: Dilemmas
in Gamete Donation: Honoring Prior
Promises in an Era of Vanishing
Anonymity**

Supported by a 2013 endowment
from the American Board of
Obstetrics and Gynecology
Vardit Ravitsky, PhD(Chair)
Michael Levy, M.D.

Georgetown University
Elizabeth Anne Grill, Psy.D.
Weill Cornell Medical College

12:10 pm - 1:00 pm
Symposium **CME**

**Interpreting PGT-A Results and
Examining Mosaicism**

Cengiz Cinnioglu, Ph.D.(Co-Chair)
Nicole Faulkner, Ph.D., F.A.C.M.G.
(Co-Chair)
Invitae

12:10 pm - 1:00 pm
Symposium **CME**

**AE-PCOS Society Symposium:
Impact of Lifestyle Intervention
on Health Outcomes in Polycystic
Ovary Syndrome**

Marla E. Lujan, M.Sc., Ph.D.(Chair)
Cornell University
Wendy Vitek, M.D.

University of Rochester
Anuja Dokras, M.D., Ph.D.
University of Pennsylvania Perelman
School of Medicine

12:10 pm - 1:00 pm
Symposium **CME**

**Parental Decisions about
Disclosure in Donor-Assisted
Reproduction: Where Does the
Journey Lead after Parents Leave
the Infertility Clinic?**

Patricia Hershberger, PhD, APRN,
FNP-BC, FAAN(Chair)

University of Illinois at Chicago
Lauri Pasch, Ph.D.
University of California, San Francisco
Susan Golombok, Ph.D.
University of Cambridge
Martha Driessnack, Ph.D., R.N.,
P.P.C.N.P.-B.C. (Co-Chair)
Oregon Health & Science University

1:10 pm - 1:40 pm
Plenary **CME**

**American Urological Association
Bruce Stewart Memorial Lecture:
Next Generation Therapies for Male
Infertility**

Supported by a grant from the
American Urological Association
Kyle E Orwig, Ph.D.
University of Pittsburgh School of
Medicine

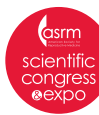
1:50 pm - 2:40 pm
MHPG Clinical Session **CME**

**Ethical Considerations for Psychological
Testing in Third-Party Evaluations**

Mary P. Riddle, Ph.D. (Chair)
Penn State University
Claudia Pascale, Ph.D.
Institute for Reproductive Medicine
and Science at Saint Barnabas

1:50 pm - 3:20 pm
Oral Abstract Sessions

FINAL PROGRAM DAILY SCHEDULE



AMERICAN SOCIETY FOR REPRODUCTIVE MEDICINE
ASRM 2020
DYNAMIC COLLABORATIONS
IN REPRODUCTIVE MEDICINE
VIRTUAL CONGRESS • OCTOBER 2020

76TH ASRM SCIENTIFIC CONGRESS

3:30 pm - 4:20 pm

Interactive Session

CME

**Evidence Based Embryo Transfer:
Maximizing Implantation**

Jennifer F. Kawwass, M.D. (Chair)

Emory University

Jennifer Mersereau, M.D.

UNC Fertility

Eric A. Widra, M.D.

SG Fertility

3:30 pm - 4:20 pm

Interactive Session

CME

**Climate Change and
Reproductive Health**

Ruben J Alvero, M.D. (Chair)

Stanford University

Alicia Y Christy, M.D.

Veterans Administration

Feiby L Nassan, Sc.D.

Stanford University

3:30 pm - 4:20 pm

Interactive Session

CME

**Optimization of the Embryo and
Couple in Male Factor Infertility:
Interplay between Reproductive
Endocrinology, Embryologist and
Reproductive Urologist in Cases
Involving Possible Sperm Extraction**

Natan Bar-Chama, M.D. (Chair)

Mount Sinai Medical Center

Paul Shin, M.D.

Shady Grove Fertility

Alison Bartolucci, Ph.D.

Center for Assisted Reproductive
Services, University of Connecticut
School of Medicine

3:30 pm - 4:20 pm

Interactive Session

CME

**What We All Do, We Still Do Differently:
The Continuing Debated Questions in
the IVF Lab**

Gerard Celia Jr., Ph.D. (Co-Chair)

EVMS

Dean E. Morbeck, Ph.D., M.B.A.

(Co-Chair)

Fertility Associates, Auckland

3:30 pm - 4:20 pm

Interactive Session

CME

**Insurance Mandates for Fertility
Preservation: A Tool Kit for Working
with Your Legislature**

Eden Cardozo, M.D. (Chair)

Women and Infants Fertility Center,

Brown University

Warren Alpert Medical School

Joyce Reinecke, J.D.

Alliance for Fertility Preservation

Betsy Campbell, A.B.

Alliance for Fertility Preservation

3:30 pm - 4:20 pm

Clinical Session

CME

**NPG Clinical Session: What You
Need to Know About Ultrasound in
Reproductive Medicine - Day 3**

Tamara Tobias, A.R.N.P. (Chair)

Seattle Reproductive Medicine

Hayley Eichlin, D.N..P., A.P.R.N.,

W.H.N.P.-B.C.

RMANJ

Lauren Nervi, N.P.-C.

IVI-RMA Global

3:30 pm - 4:20 pm

Interactive Session

CME

**How to Empower Patients with
Genetic Information While
Minimizing Burden on the IVF Clinic**

Neha Kumar, Sc.M.

Invitae

Eden Haverfield, D.Phil., F.A.C.M.G.

Invitae

Serena H. Chen, M.D.

Division of Reproductive Medicine,

IRMS at St Barnabas

4:30 pm - 6:00 pm

**Poster Sessions and Virtual Expo
Hall hours**

TUESDAY, OCTOBER 20, 2020

8:00 am - 9:00 am

Virtual Expo Hall Opens

9:00 am - 9:30 am

Plenary Session

CME

Herbert H. Thomas Plenary

**Lecture: How the early
environment shapes later health:
the fundamental importance of a
good start in life**

Endowed by a 1992 grant from

EMD Serono, Inc.

Tessa J. Roseboom, Ph.D.

Amsterdam UMC

9:40 am - 11:25 am

Oral Abstract Sessions

11:10 am - 12:10 pm

General Information

Tuesday Lunch/Networking Break

11:15 am - 12:00 pm

Roundtables



12:10 pm - 1:00 pm

Symposium

CME

**Mapping of the Patient Journey:
New Patient Acquisition,
Retention, and Conversion to
Treatment**

Alice D. Domar, Ph.D. (Chair)

Boston IVF

Griffin Jones, B.A. (Co-Chair)

ASRM and ARM Member

12:10 pm - 1:00 pm

Symposium

CME

**Society for the Study of
Reproduction (SSR) Symposium:
Tissue Engineering and Microfluidics
to Study the Female Reproductive
Tract in New Ways**

Julie Kim, Ph.D. (Chair)

Northwestern University

Monica M. Laronda, Ph.D.

Stanley Manne Children's Research

Institute, Ann & Robert H. Lurie

Children's Hospital of Chicago

Shuo Xiao, Ph.D.

Northwestern University

12:10 pm - 1:00 pm

Symposium

CME

**Surviving Cancer: Optimizing
Reproductive Health in Adolescent
and Young Adult Survivorship**

Leslie Coker Appiah, M.D. (Chair)

The University of Colorado School of

Medicine - Anschutz Medical Campus

Krista Childress, M.D.

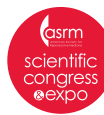
Emory University School of Medicine

Jacqueline Yano Maher, M.D., M.A.

Johns Hopkins University, School of

Medicine

FINAL PROGRAM DAILY SCHEDULE



AMERICAN SOCIETY FOR REPRODUCTIVE MEDICINE
ASRM 2020
DYNAMIC COLLABORATIONS
IN REPRODUCTIVE MEDICINE
VIRTUAL CONGRESS • OCTOBER 2020

76TH ASRM SCIENTIFIC CONGRESS

12:10 pm - 1:00 pm

Symposium

CME

Today's Donor Egg Program:

Keeping up with Technological Advances and the Legal Climate

Mindy S. Christianson, M.D. (Chair)
John Hopkins University School of Medicine

Frederick L. Licciardi, M.D.

NYU Langone Health

Margaret Swain, J.D., R.N.

Law Offices of Margaret Swain

12:10 pm - 1:00 pm

Symposium

CME

Paternal Age and Male Reproduction

Michael L. Eisenberg, M.D.

Stanford University

Julianne Zweifel, Ph.D.

University of Wisconsin

Mandy G. Katz-Jaffe, Ph.D.

Colorado Center for Reproductive Medicine

12:10 pm - 1:00 pm

Symposium

CME

Transgender Women: Gender Affirmation Surgery and Fertility Counseling

Linnea R. Goodman, M.D. (Chair)

University of North Carolina

Cecile A. Ferrando, M.D., M.P.H.

Cleveland Clinic Foundation

Jamie M. Joseph, Ph.D.

Private Practice

1:10 pm - 1:40 pm

Plenary

CME

SSR Keynote Lecture

Humphrey Hung-Chang Yao, Ph.D.

National Institute of Environmental Health Sciences

1:50 pm - 2:40 pm

MHPG Clinical Session

Roe v Wade, Gestational Surrogacy, and the Future: Navigating Ethical and Clinical Issues in an Evolving Legal Landscape

Erica J. Mindes, Ph.D. (Chair)

Covington & Hafkin and Associates

Meryl B Rosenberg, J.D.

Private Practice

Lauren Magalnick Berman, Ph.D.

Fertility Psychology Center of Atlanta, LLC

1:50 pm - 3:20 pm

Oral Abstract Sessions

2:50 pm - 3:20 pm

Plenary Session

CME

Contraception Keynote Lecture: Venous Thrombosis and Hormonal Contraception

Klaas Heinemann, M.D., Ph.D., M.B.A.

3:30 pm - 4:20 pm

Interactive Session

CME

Benefits and Limitations of Time Lapse Imaging and AI in ART

T. Arthur Chang, Ph.D., H.C.L.D.,

E.L.D. (Chair)

University of Texas Health Science Center

Eva Schenkman, M.S.

CCRM

Matthew David VerMilyea, Ph.D.

Ovation Fertility

3:30 pm - 4:20 pm

Interactive Session

CME

Diagnostic Thresholds for Defining PCOS Features: A Moving Target

Kathleen Hoeger, M.D. (Chair)

University of Rochester

Heather G. Huddleston, M.D.

University of California San Francisco

Terhi T Piltonen, M.D., Ph.D.

Oulu University Hospital, University of Oulu

3:30 pm - 4:20 pm

Interactive Session

CME

Lifestyle Issues in Male and Female Reproduction

David Shin, M.D. (Chair)

Hackensack University Medical Center

Alex J Polotsky, M.D., M.S.

University of Colorado Anschutz Medical Campus

3:30 pm - 4:20 pm

Interactive Session

CME

Care for Transgender and Gender-Nonconforming Adolescents

Gylynthia Trotman, M.D., M.P.H. (Chair)

Mt. Sinai Hospital

Kenny A. Rodriguez-Wallberg, M.D.,

Ph.D.

Karolinska Institutet

3:30 pm - 4:20 pm

Interactive Session

CME

Complex Family Planning Fellows Showcase: Frontiers of Contraceptive Research

Leo Han, M.D., M.P.H. (Chair)

University of Southern California

Jasmine Patel, M.D.

University of Southern California

Shaalini Ramanadhan, M.D.

Oregon Health & Science University

Rebecca Taub, M.D., M.P.H.

Oregon Health & Science University

3:30 pm - 4:20 pm

Interactive Session

CME

How To Successfully Transition to a Practice Management Role at a Reproductive Medicine Clinic

Jessica Medvedich, M.B.A., B.S.N.,

R.N., N.E.-B.C. (Chair)

NPG

Marianne Kreiner, M.S.

Shady Grove Fertility

Lindsay Nicholas, R.N.

IVI-RMA Global

4:30 pm - 6:00 pm

Poster Sessions and Virtual Expo Hall hours

WEDNESDAY, OCTOBER 21, 2020

8:00 am - 9:00 am

Virtual Expo Hall Opens

9:00 am - 9:30 am

General Information

ASRM Members' Meeting and

Congress Prize Presentations

9:40 am - 11:25 am

Oral Abstract Sessions

11:10 am - 12:10 pm

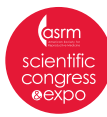
General Information Wednesday

Lunch/Networking Break

11:15 am - 12:00 pm

Roundtables





12:10 pm - 1:00 pm
Symposium
Cultural Considerations in International Surrogacy Arrangements

CME

Mary P. Riddle, Ph.D. (Chair)
Penn State University
Meryl B Rosenberg, J.D.
Private Practice
Brandon Bankowski, M.D.
Penn State University

12:10 pm - 1:00 pm
Symposium
When Ovaries Don't Act Their Age: Primary Ovarian Insufficiency (POI)

CME

Meghan K Pierce, M.S.N. (Chair)
ARM
Alla Vash-Margita, M.D.
Yale University School of Medicine
Lisa Schuman, M.S.W.
Reproductive Medicine Associates of Connecticut

12:10 pm - 1:00 pm
Symposium
Fertility Preservation in Women with Breast Cancer

CME

Aylin P. Cil, M.D. (Chair)
American Hospital
Volkan Turan, M.D.
Memorial Bahcelievler Hastanesi
Erica T. Wang, M.D., M.A.S.
Cedars-Sinai Medical Center

12:10 pm - 1:00 pm
Symposium
Male Fertility Preservation in Unique Populations

CME

JAMES SMITH, M.D. (Chair)
University of California, San Francisco
Akanksha Mehta, M.D., M.S.
Emory University School of Medicine
Robert E. Brannigan, M.D.
Northwestern University

12:10 pm - 1:00 pm
Symposium
Culinary Medicine For Fertility

CME

Judy Simon, M.S., R.D.N., C.D., C.H.E.S., F.A.N.D.
Mind Body Nutrition, PLLC
Angela Claire Thyer, M.D.
Seattle Reproductive Medicine

1:10 pm - 1:40 pm
Plenary
Improving Access to Reproductive Medicine Services in Emerging Countries

CME

Endowed by a 1992 grant from Wyeth
Angelique Kanyange Rwiyereka, Ph.D.

1:50 pm - 2:40 pm
Interactive Session
Successful Strategies for Increasing Access to Infertility Care

CME

Richard Grazi, M.D.
Maimonides Medical Center
Jennifer E Hirshfeld-Cytron, M.D.
Fertility Centers of Illinois
Paula Amato, M.D.
Oregon Health & Science University
Christopher N. Herndon, M.D. (Co-Chair)
University of Washington
Eve C. Feinberg, M.D. (Co-Chair)
Northwestern University

1:50 pm - 2:40 pm
Interactive Session
My Patient Has a Mosaic Embryo... How Do I Handle This?

CME

Paul Robert Brezina, M.D. (Chair)
Fertility Associates of Memphis
William G. Kearns, Ph.D.
Johns Hopkins University School of Medicine, Advagenix
Elias Dahdouh, M.D., F.R.C.S.C.
CHU Sainte-Justine

1:50 pm - 2:40 pm
Interactive Session
A Novel Approach: New Research Methodologies to Identify Potential Patients

CME

Marianne Kreiner, M.S. (Chair)
Shady Grove Fertility
Patty O. Stull, B.S.
Fertility Dynamics

1:50 pm - 2:40 pm
Interactive Session
Culture Media: Back to Basics

CME

Eric J. Forman, M.D. (Co-Chair)
Columbia University
David K Gardner, Ph.D. (Co-Chair)
School of BioSciences, University of Melbourne

1:50 pm - 2:40 pm
Interactive Session

CME

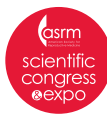
How would you like your Eggs?: Known, Unknown, Frozen, Donated, Fertilized or Saved for later? The Law, Medicine, Psychology of Frozen Eggs

Kim Bergman, Ph.D. (Chair)
Growing Generations
Will Halm, J.D.
International Reproductive Law Group
Guy E. Ringler, M.D.

2:50 pm - 3:20 pm
Plenary Session

CME

Menopause Keynote Lecture: The Genetic Influence on Menopause, Early Menopause and Primary Ovarian Insufficiency
Corrine K. Welt, M.D.
Northwestern University

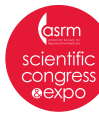


Continuing Education/ CME Sessions

- Continuing Medical Education/
Continued Education
- Postgraduate Courses
- Scientific Congress Needs Assessment
and Learning Objectives
- ASRM 2020 Congress Grid
- Speaker Index
- Speaker Disclosures

SPONSORED BY
THE AMERICAN SOCIETY FOR REPRODUCTIVE MEDICINE





Continuing Professional Development:

Continuing Medical Education | Continuing Education Credits

ASRM Continuing Education Programs

The goal of ASRM is to sponsor educational activities that provide learners with the tools needed to conduct research, practice the best medicine, and provide the best, most current care to patients.

ASRM adheres to the Essentials and Policies of the Accreditation Council for Continuing Medical Education (ACCME). CME activities must address specific, documented, clinically important gaps in physician knowledge, competence, or performance; be documented to be effective at increasing physician knowledge, competence, performance, or outcomes; and conform to the ACCME Standards for Commercial Support.

All planners and presenters disclose commercial and financial relationships pertaining to reproductive medicine. These disclosures were reviewed by the Subcommittee for Standards for Commercial Support of the ASRM CME Committee and the Executive Program Committee, which resolved perceived potential conflicts of interest.

For Post Graduate Courses:

- Register for the Post Graduate Course(s)
- Login to Cadmium
- Attend course
- Choose Certificate Type
- After attending the course, select the course attended, complete course evaluation and submit form (You must complete all of the course for the evaluation to be made available)
- Complete Overall Conference Evaluation (One Time Only) and submit form
- Download/Print Certificate **(Must have completed at least 1 course evaluation and the overall evaluation to download/print certificate)**

For the Scientific Congress:

- Register for the Scientific Congress
- Login to Cadmium
- Attend sessions that award CME/CE credits
- Choose Certificate Type
- After attending the session, select the session attended, complete course evaluation and submit form (You must complete all of the session for the evaluation to be made available)
- Complete Overall Conference Evaluation (One Time Only) and submit form
- Download/Print Certificate **(Must have completed at least 1 session evaluation and the overall evaluation to download/print certificate)**

The following may receive honoraria and/or discounted or free registration: Plenary, Symposia, and Interactive Session speakers, and Postgraduate faculty. Honoraria are not provided for Roundtable presenters, Oral and Poster Abstract presenters, and Video presenters.

Disclosures of faculty and presenters for the Postgraduate and Scientific Congress may be in a presentation slide, printed material, or oral statement, and will be printed in the ASRM Final Program. Abstract authors' disclosures will be printed in the 2020 Program. Roundtable and Expert Encounter presenters should provide a copy of their disclosure to participants at their table.

Final date to claim credit is
December 31, 2020.
 Email questions to education@asrm.org.



Continuing Medical Education activities

Professional Enrichment Education Renewal activities

How to Claim Continuing Medical Education/Continuing Education Credits

The Accreditation Council for Continuing Medical Education (ACCME)

The American Society for Reproductive Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

ASRM 2020 Scientific Congress Designation Statement

The American Society for Reproductive Medicine designates this live activity for a maximum of 51.5 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

ASRM 2020 Post Graduate Program Designation Statement

The American Society for Reproductive Medicine designates Post Graduate Courses 01, 02, 12, and 26 for a maximum of 2.5 AMA PRA Category 1 Credits™ per course. Post Graduate Courses 10, 11, 13, 18, and 27 are approved for a maximum of 3.0 AMA PRA Category 1 Credits™. Post Graduate Courses 20 and 23 are approved for a maximum of 4.0 AMA PRA Category 1 Credits™. Post Graduate Courses 04, 06, 07, and 08 are approved for a maximum of 5.0 AMA PRA Category 1 Credits™. Post Graduate Courses 03, 05, 09, 16, and 21 are approved for a maximum of 6.0 AMA PRA Category 1 Credits™. Post Graduate Courses 14, 15, 17, 19, 22 and 24 are approved for a maximum of 6.5 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

The American College of Obstetricians and Gynecologists (ACOG)

The American College of Obstetricians and Gynecologists has assigned 51.5 Cognates to the Scientific Congress; 2.5 Cognates each to PG Courses 02 and 26; 3 Cognates each to Courses 13 and 18; 5 Cognates to PG 6; 6 Cognates to PG 05, 09, 16, 21; 6.5 Cognates to PG 14 and 22.

American Board of Bioanalysis (ABB)

The American Society for Reproductive Medicine has been approved to provide Professional Enrichment Education Renewal (PEER) credit through the American Board of Bioanalysis for this event. PG 01 will be recognized for 0.25 CEUs (2.5 hours); PG 23 for 0.4 CEUs (4 hours); PG 04, 07, 08 for 0.5 CEUs (5 hours); PG 03 and 16 for 0.6 CEUs (6 hours); PG 17 and 24 will be recognized for 0.65 CEUs (6.5 hours). Approval for up to 81 hours or 8.1 CEUs is for the Scientific Congress.

Nursing Credits: National Association of Nurse Practitioners in Women's Health (NPWH)

Postgraduate Courses 01 and 11 for 2 CEUs each; 15 and 17 for 4.25 CEUs each have been approved by the Continuing Education Approval Program of the National Association of Nurse Practitioners in Women's Health. NPWH Activity no. 20-16. The ASRM 2020 Congress has been evaluated and approved by the Continuing Education Approval Program of the National Association of Nurse Practitioners in Women's Health for select sessions. NPWH Activity no. 20-16. Visit the ASRM NPG website for a complete list of the sessions and credits.

American Psychological Association (APA)

The Mental Health Professional Group (MHPG) of the American Society for Reproductive Medicine is approved by the American Psychological Association to sponsor continuing education for psychologists. MHPG maintains responsibility for this program and its content. CE credits will be available for select sessions of Scientific Congress; Postgraduate Courses 01, 06, 07, 10, and 17; MHPG Clinical Sessions CSM01, CSM03, CST02, CSW01; and other selected sessions.

National Association of Social Workers (NASW)

Application will be made to the National Association of Social Workers (NASW) for select sessions of the Scientific Congress and selected Postgraduate Courses 01, 06, 07, 10, and 17.

National Society of Genetic Counselors (NSGC)

Application will be made to the National Society of Genetic Counselors (NSGC) for Category 1 contact hours for Postgraduate Courses 03 and 17 and selected sessions in the Scientific Congress. Participants requesting NSGC CEUs will have a service fee of \$30 added to their meeting registration to cover payment to the National Society of Genetic Counselors for the filing and awarding of CEU certificates.

**Final date to claim credit is
December 31, 2020.**

Questions? email education@asm.org



ASRM 2020 POSTGRADUATE PROGRAM

POSTGRADUATE PROGRAM COMMITTEE

Amy Sparks, Ph.D.
Chair

Richard O. Burney, M.D., MSc.
Co-Chair

Erica B. Johnstone, M.D.
Coordinating Chair

Post-Graduate courses (previously called Pre-Congress courses) are purchased in registration and the content will be on-demand beginning Thursday, October 22, 2020 through December 31, 2020. ASRM wanted to provide the full content of the courses but on a time schedule that is convenient to our working members. Course syllabi will be available via the course materials section of the course(s) you purchase. Course registrants are encouraged to email their questions to the course chair and a LIVE Q&A session will be held at the beginning of December to answer all submitted questions and allow additional questions from the LIVE webinar chat.

PG01 **Optimizing Clinic Staff Retention and Experience - Communication, Supportive Care and Educational Tools** CME PEER

Developed in Cooperation with Nurses' Professional Group (NPG), Mental Health Professional Group (MHPG), Complementary and Integrative Medicine Special Interest Group

Faculty

Carmelo S. Sgarlata, M.D. (*Chair*)

ORM Fertility

Alice D. Domar, Ph.D.

Boston IVF

Jennifer M. Wood, R.N., B.S.N.

Shady Grove Fertility, Rockville

Target Audience

This interprofessional course is intended for all reproductive medicine physicians, nurses, advanced practice nurses, mental health providers, and all allied health providers involved in direct patient care and management of an ART program.

Needs Assessment

The distress of infertility can be a significant barrier to continuing fertility treatment and places a tremendous burden on both patients and providers alike. Current evidence suggests patient access to supportive care, while moving through and beyond infertility treatment, is limited. Improving the infertility experience can allow for greater patient and staff retention. Infertility clinic personnel are also affected by stress and burnout. Best practices for staff retention are essential to a clinic's success. The development of formal staff educational programs and ongoing support systems can enhance the individuals' job satisfaction and work performance. When the entire healthcare team is working together in a collaborative and respectful manner, they can provide high quality patient care in an environment that is nurturing and supportive. This team building approach can support and develop staff well-being

and improve office dynamics.

Description

This course will discuss strategies for improving the infertility clinic experience for staff members. The current research on patient drop-out from treatment and staff turnover will be presented. The provision of patient-centered care and educational strategies for improved satisfaction of both patients and staff will be reviewed. The development of educational programs, ancillary support services, and communication skills will be areas of emphasis. Medical provider burn-out and lack of job satisfaction will be reviewed as well. Current research on staff satisfaction, communication and job retention will be examined in this course.

ACGME Competency

Communication
 Teams and Teamwork
 Patient Care and Procedural Skills
 Systems-based Practice

Learning Objectives

At the conclusion of this course, participants should be able to:

1. Summarize the challenges of working in an ART clinic.
2. Identify stress management strategies for both the patient and the patient care team.
3. Describe programs that enhance work satisfaction and provide professional growth for the ART clinic staff.
4. Develop a collaborative model of education and supportive care for the patient care team."

PG02 Interpreting Studies and Results in Reproductive Health: Critical Knowledge to Practice Evidence-Based Medicine CME

Developed in Cooperation with the Environment and Reproduction Special Interest Group, Endometriosis Special Interest Group, and Nutrition Special Interest Group

Faculty

Katharine Correia, Ph.D. (*Chair*)
Amherst College
 Leslie V. Farland, Sc.D.
University of Arizona
 Cindy Farquhar, M.D., M.P.H.
University of Auckland

Target Audience

This course is designed for physicians, fellows, residents, and clinician-investigators who read the scientific literature and are hoping to expand or refresh their research training.

Needs Assessment

In ASRM's 2019 "Gap Analysis and Educational Needs", many of the gaps identified correspond to an educational need that requires a focus on evidenced-based practices. Indeed, evidence-based practice appears in the needs assessment no less than ten times across a variety of topics, from Andrology to ART to Genetics to Cost-effectiveness. In order to critically evaluate all of the scientific evidence to best inform their clinical practices, clinicians need to be able to understand the complexities of study design, statistics, and interpretation across a variety of research methods, including clinical trials and observational studies. Medical school and residency offer typical clinicians very little time to develop a sufficient understanding of study design and statistics and provide little opportunity for formal training. Yet, their roles as clinicians often include evaluating research studies to inform their clinical practice, conducting clinical investigations themselves, and serving as reviewers.

Description

This course is designed for clinicians and clinician-investigators who must interpret the key findings published in *Fertility and Sterility* and other journals of reproductive medicine. Attendees will solidify their fundamental knowledge of statistics, clinical study design, and potential bias in clinical and population research. Emphasis will be placed on evaluating the science to practice pipeline, practicing evidence-based medicine, improving insight as a journal reviewer, and knowing the basics of research studies.

ACGME Competency

Medical Knowledge
 Practice-based Learning and Improvement

Learning Objectives

At the conclusion of this course, participants should be able to:

1. Discuss common study designs, and their complexities, utilized in randomized clinical trials and observational studies.
2. Explain the advantages, limitations, and potential biases of common observational study designs and how these factors influence results interpretation.
3. Evaluate the potential for confounding and selection bias in studies reported in reproductive medicine journals.

PG03 Clinical Management and Communication of Mosaic Results from PGT-A CME PEER

Developed in Cooperation with the Genetic Counseling Professional Group

Faculty

Amy Jordan, M.S. (Chair)
 NYU Langone Fertility Center
 Andria G. Besser, M.S.
 NYU Langone Fertility Center
 Tyl Taylor, Ph.D.
 REACH
 Brian L. Shaffer, M.D.
 Oregon Health & Science University

Target Audience

This interprofessional course is designed for physicians, nurses, embryologists, genetic counselors, and practice managers.

Needs Assessment

Preimplantation Genetic Testing for Aneuploidies (PGT-A) continues to evolve and in vitro fertilization (IVF) providers must keep up with the advancements in this area. Mosaicism occurs in up to twenty percent of embryos depending on the clinic or lab. A significant number of patients will request information about these embryos, so this is a large-scale issue. The ASRM Practice Committee recently published an opinion on the use of PGT-A and the outcomes of the opinion will be discussed in this course. The most recent ASRM gap analysis revealed a significant knowledge gap and educational need for management of the outcomes of mosaic embryos, how to counsel couples on mosaic embryos, guideline development for transfer of mosaic embryos, and communication on PGT-A mosaic embryos between researchers and clinicians regarding the practical implications of mosaicism.

Description

This course will provide in-depth explanations about how mosaicism is diagnosed, which factors influence its diagnosis and reporting, and limitations of current assays. Many practitioners feel ill-prepared to discuss mosaic embryos with patients based on the gap analysis. It is essential to outline counseling points and strategies for communication of mosaic results to patients including the potential risks and a summary of the current available outcome data and its limitations. A panel discussion of experts will discuss pros and cons of developing practice policies for transferring, declining to transfer, and storage of embryos with mosaic results.

ACGME Competency

Communication, Roles/Responsibilities
 Teams and Teamwork
 Values/Ethics
 Interpersonal and Communication Skills
 Medical Knowledge
 Practice-based Learning and Improvement

Learning Objectives

At the conclusion of this course, participants should be able to:

1. Describe how mosaicism is diagnosed in a preimplantation embryo.
2. Identify factors that may contribute to a mosaic diagnosis.
3. Recognize limitations of a mosaic diagnosis.
4. Differentiate the significance of mosaic chromosome results identified in the preimplantation from those identified in the prenatal and postnatal period.
5. Summarize the latest data regarding outcomes of mosaic embryo transfers.
6. Compare the merits of various prenatal testing options in the context of suspected embryonic mosaicism.
7. Develop clinical policies regarding transfer and storage of embryos diagnosed as mosaic.
8. Apply recommendations from the recent Practice Committee opinion on mosaic results to your IVF practice.
9. Examine the data available for triaging mosaic results from low to high risk.
10. Evaluate how different technology platforms influence the rate of mosaic results between laboratories.
11. Review pre-transfer genetic counseling points for patients considering mosaic embryo

PG04 Frontiers and Controversies in ART: Non-Invasive Embryo Selection, Gene Editing, Artificial Gametes, and AI



Developed in Cooperation with the Society of Reproductive Biologists and Technologists (SRBT)

Faculty

T. Arthur Chang, Ph.D., H.C.L.D., E.L.D. (*Chair*)
University of Texas Health Science Center
 Nikica Zaninovic, Ph.D.
*The Ronald O. Perelman and Claudia Cohen Center
 for Reproductive Medicine, Weill Cornell Medicine*
 Shoukhrat Mitalipov, Ph.D.
Oregon Health & Science University
 Cengiz Cinnioglu, Ph.D., M.B.A.
NextGen Genetics

Target Audience

The target audience will be primarily lab professionals, physicians, geneticists, scientists, nurses, and counselors.

Needs Assessment

This course is designed to highlight some of the innovative technologies ART is currently developing and the polarizing aspects of its study and clinical relevance. The gap analysis will be addressed by discussing time-lapse usage and application, PGT analysis techniques, gene editing involving CRISPR, AI and its application to ART, and artificial gametes and embryos. The clinical significance of this course is not so much the problem it creates, but the questions it will lead to regarding the efficiency and ethical nature of its potential utilization moving forward. Most of these topics are on the cutting edge of where ART is today as far as clinical practice, but they may lead to dynamic changes in how ART is practiced in the near future. Trials and publications are currently being done on most of these topics and how relevant they will be is yet to be seen on a large scale. It is important for us to be knowledgeable on new technologies and techniques being developed that could have a drastic impact for the better on our field.

Description

The course objective is to discuss innovative developments that could change how we practice ART. Topics will include: non-invasive embryo selection, time-lapse imaging, non-invasive embryo selection, cell-free DNA, PGT, gene editing, artificial gametes and embryos, mitochondria replacement therapy, acronyms of PGT, artificial intelligence (AI), concept of AI and its applications in ART, and a discussion on technology and ethics. All topics included in the gap analysis and should be highlighted as more studies, trials, and overall research occur. Participants will gain knowledge of these topics while understanding the potential that these emerging technologies have in the near future.

ACGME Competency

Roles/Responsibilities
 Values/Ethics
 Practice-based Learning and Improvement

Learning Objectives

At the conclusion of this course, participants should be able to:

1. Evaluate basic knowledge and application of non-invasion embryo selection via time-lapse imaging and cell-free DNA PGT from data and research.
2. Review the concepts of what gene editing is and the potential and pitfalls it has for ART in the future.
3. Identify and appropriately use knowledge gained about artificial gametes and embryos and how they can be utilized.
4. Summarize how mitochondrial replacement therapy works and how it could impact specific patients that did not have any other options until this point and what its limitations are at the present.
5. Discuss artificial intelligence and the concept of AI as it applies to all aspects of ART.
6. Describe the different acronyms of PGT and the direction PGT is headed.

PG05 Early Pregnancy Loss Management: The Tried, The True, and The New from Surgery to Genetics



Developed in Cooperation with the Early Pregnancy Special Interest Group

Faculty

Paul Robert Brezina, M.D. (*Chair*)
Fertility Associates of Memphis
 Steven Spandorfer, M.D.
The Ronald O. Perelman and Claudia Cohen Center for Reproductive Medicine, Weill Cornell Medicine
 Sony Sierra, M.D., M.Sc., F.R.C.S.C.
TRIO Fertility
 Kristen Bendikson, M.D.
University of Southern California, Los Angeles

Target Audience

The course is targeted to reproductive endocrinologists, obstetricians/gynecologists, nurses, and all allied health professionals investigating and treating women during conception and the early pregnancy phase.

Needs Assessment

Recurrent early pregnancy loss (REPL) affects up to five percent of the reproductive population. ASRM identified the evaluation and management of recurrent early pregnancy loss as an educational need. This course will address this need by presenting evidence-based information on the evidence supporting classical therapies for reducing pregnancy loss alongside more recently described strategies for improving outcomes in the REPL population. The data describing the optimal management for the REPL population is constantly evolving. Therefore, the need to define the current standard of care based on current medical literature and communicate this summarized data to physicians is relevant and necessary to ensure optimal patient care of women suffering from REPL.

Description

Topics to be discussed include long described strategies associated with the treatment of REPL such as surgical management and progesterone administration. The session will also present current data regarding the management recommendations surrounding other factors associated with REPL including genetics, the contribution of male factor on REPL, and the role of obesity in REPL. Evidence-based investigations will be discussed as well as strategies to enable clinicians to investigate and manage maternal contribution in early pregnancy loss.

ACGME Competency

Roles/Responsibilities
 Interpersonal and Communication Skills
 Medical Knowledge
 Patient Care and Procedural Skills
 Practice-based Learning and Improvement
 Professionalism
 Systems-based Practice

Learning Objectives

At the conclusion of this course, participants should be able to:

1. Identify the impact and utility of classically described strategies including surgical management and progesterone support for reducing REPL.
2. Explain the role of the endocrine system, maternal obesity, and the endometrial environment in REPL and the current data describing management of these factors.
3. Describe the role of genetic factors in oocyte and embryo competence and the diagnostic tools to investigate them.

PG06 Paths to Parenting for the LGBTQ Community: Ethics, Decisions, Challenges and Hope CME

Developed in Cooperation with the LGBTQ Special Interest Group, Mental Health Professional Group (MHPG), and the Legal Professional Group (LPG)

Faculty

Kim Bergman, Ph.D. (*Chair*)

Growing Generations

Mark Leondires, M.D.

Reproductive Medicine Associates of Connecticut

Molly B. Moravek, M.D., M.P.H.

University of Michigan

Will Halm, J.D.

Reproductive Law Group

Target Audience

This interdisciplinary course is designed for physicians, mental health professionals, attorneys, nurses, and practice managers.

Needs Assessment

A 2019 nationwide study found that 65% of LGBTQ individuals expect to become parents. All of them will need the assistance of ART professionals. Even in the absence of discriminatory behaviors, LGBTQ patients must overcome many unique hurdles to become parents. This requires the awareness and attention of ART practitioners, clinic staff, mental health professionals, and attorneys. In addition to the social and treatment-related hurdles faced by LGBTQ patients, recent legal cases have resulted in ambiguous legal and social status for children conceived by LGBTQ parents. Further, the uniqueness of LGBTQ parenting via surrogacy and egg and sperm donation is associated with other recent legal cases and highlights the importance of the provision of appropriate counseling to LGBTQ patients. Multiple unique treatment issues also arise during fertility treatment with LGBTQ patients. Homophobia, transphobia, ignorance and lack of cultural competency put the LGBTQ patient at risk. The use of donor gametes presents a unique set of ethical, legal, and moral decisions. For transgender patients, there is still debate regarding the effect of gender-affirming hormone therapy on reproductive capacity.

Description

Because of the multiple psychological, legal, and ethical concerns regarding LGBTQ patients who pursue fertility treatment, many practitioners lack the appropriate training or have concerns about facilitating such treatment. This live course will address and update the medical, psychosocial, ethical, and legal issues in treating LGBTQ patients and will provide direction to providers for how to address these issues in their clinics.

ACGME Competency

Communication

Roles/Responsibilities

Values/Ethics

Practice-based Learning and Improvement

Professionalism

Systems-based Practice

Learning Objectives

At the conclusion of this course, participants should be able to:

1. Review the paths to parenthood for LGBTQ patients.
2. Identify challenges and ethical issues that need to be considered.
3. Apply best practices for working with LGBTQ patients.
4. Locate resources for LGBTQ patients.
5. Explain the legal climate for LGBTQ parents.
6. Assess own practices for changes that can assist the LGBTQ population.

PG07 Human Reproductive Tissue Cryopreservation: The Lab Science and the Social Science



Developed in Cooperation with the Mental Health Professional Group (MHPG), the Legal Professional Group (LPG), and the Society for Reproductive Endocrinology and Infertility (SREI)

Faculty

Ruben J. Alvero, MD (*Chair*)

Stanford University

Barry R. Behr, Ph.D.

Stanford Fertility and Reproductive Medicine Center

Susan Crockin, J.D.

Crockin Law & Policy Group, PLLC and Georgetown University

Elizabeth Grill, Psy.D.

Weill Cornell Medical College

Target Audience

This course will be of interest to reproductive endocrinologists, ART laboratory specialists, nurses, counselors, mental professionals, administrators, legal experts, and anyone interested in the impact of biopsychosocial and legal issues on cryopreserved human reproductive tissues.

Needs Assessment

Conservative estimates put the number of cryopreserved human embryos at over a million in the United States, particularly as the embryos' owners complete their families or age beyond self-perceived willingness to have a live-birth, disposition of these tissues is ever more difficult. Practice protocols vary widely, and local legal guidelines are similarly inconsistent and ever-changing. ART centers are understandably hesitant to discard abandoned embryos, sometimes for decades, fearing liability due to patient ambivalence to irreversibly dispose of their embryos. This course seeks to bridge ASRM's gap analysis which encourages a multidisciplinary approach to embryo and increasingly oocyte disposition, bringing together physician practitioners, embryologists, legal experts, and mental health professionals. The course will tackle the difficult issues at the intersection of medical and laboratory practice, legal and ethical concerns, and patient-centered considerations. After an in-depth consideration of these challenges, an interactive session with the audience will seek to find consensus on best practices. The course faculty hope to initiate a discussion that will satisfy the needs of patients, practitioners, and our responsibility to society.

Description

This course will explore recent cryopreservation innovations that both increase patient choices but also create personal, emotional, and ethical dilemmas. Presenters will discuss consenting conundrums, ambiguous genetic findings, legal guidelines where they exist or should exist, and the psychosocial values that inform the decisions that patients make. Ever increasing administrative challenges in the management and disposition of oocytes and embryos will also be examined. This course is expected to be highly interactive and will maximize the use of audience response technology. Course participants will better appreciate the current biopsychosocial state and begin formulating evidence-based solutions to its challenges.

ACGME Competency

Communication

Teams and Teamwork

Values/Ethics

Medical Knowledge

Practice-based Learning and Improvement

Systems-based Practice

Learning Objectives

At the conclusion of this course, participants should be able to:

1. Summarize how the current state of cryopreservation technologies and the scientific limitations create counseling challenges.
2. Critique the current consenting standards and patient comprehension in cryopreservation cycles.
3. Review laboratory and administrative practices in disposition of reproductive tissues and ways they can be improved.
4. Describe the current legal status of cryopreserved tissues and the impact of the personhood movement.
5. Analyze evolving ethical boundaries in current cryopreservation decisions.
6. Explain changing social norms and how they inform patient decisions.

PG08 State of the ART of Non-Ejaculated Sperm and the Reproductive Lab CME PEER

Developed in Cooperation with the Society for Male Reproduction and Urology (SMRU) and the Society of Reproductive Biologists and Technologists (SRBT)

Faculty

Stan Honig, M.D. (*Chair*)

Yale University

Dolores J. Lamb, Ph.D.

Ovation Fertility

Keith Jarvi, M.D.

University of Toronto, School of Medicine

Gerard Celia, Ph.D.

EVMS

Target Audience

This course is directed to educate reproductive urologists, reproductive biology lab personnel, and reproductive endocrinologists.

Needs Assessment

There is a gap in knowledge in the understanding of the use of "non-ejaculated" sperm in assisted reproductive technologies. This is a common issue that creates controversy in treating patients with azoospermia and now non-azoospermic men. There is a critical interplay between the embryology laboratory, reproductive urologist and reproductive endocrinologists (REI). This course will address this gap in educational needs emphasized by ASRM's CME Committee including interaction between REI's, reproductive urologist and the lab, when to use ejaculated sperm versus testis sperm in IVF, and sperm retrieval techniques. This course will cover many important aspects of the use of non-ejaculated sperm in ART.

Description

This interactive course will allow for discussions and case presentations for the audience to have active participation in the session. Course participants will benefit by getting a better understanding of successful relationships that have been developed between reproductive urologists, reproductive endocrinologists and the embryology lab. The participants will learn about the different surgical and microsurgical techniques utilized to retrieve sperm. This includes an understanding of indications for the use of ejaculated versus testis sperm in complex cases of ART.

ACGME Competency

Communication

Roles/Responsibilities

Teams and Teamwork

Medical Knowledge

Practice-based Learning and Improvement

Learning Objectives

At the conclusion of this course, participants should be able to:

1. Summarize the different surgical techniques utilized for sperm retrieval.
2. Review when it is appropriate to use testicular sperm as opposed to ejaculated sperm in complex cases of previously unsuccessful IVF cycles.
3. Describe the importance of the interplay between different partners in ART: reproductive urologist, embryologist and reproductive endocrinologist.

PG09 Pediatric and Adolescent Gynecology: Preparing for Practice CME

Developed in Cooperation with the Androgen Excess Special Interest Group, Endometriosis Special Interest Group, Pediatric and Adolescent Gynecology Special Interest Group

Faculty

Leslie Coker Appiah, M.D. (*Chair*)
The University of Colorado School of Medicine - Anschutz Medical Campus
 Julie Sroga Rios, M.D.
University of Cincinnati College of Medicine
 Serena Chan, M.D.
University of Pittsburgh
 Rashmi Kudesia, M.D.
CCRM Fertility Houston

Target Audience

This course is designed for professionals in reproductive endocrinology and infertility, pediatric and adolescent gynecology, endocrinology fellows, nurses, early career faculty and private practitioners who care for or are interested in caring for children and adolescents in their practice.

Needs Assessment

Education in pediatric and adolescent gynecology (PAG) remains a growing need as knowledge of the impact of adolescent lifestyle choices and reproductive conditions on adult reproductive health outcomes broadens. There are few formalized pediatric and adolescent gynecology training programs across the country and many residents matriculating into reproductive endocrinology and infertility (REI) and endocrinology fellowships lack the training required to care for this population. Similarly, early career faculty and private practitioners who care for children and adolescents need to be familiar with current guidelines and standards of care. The 2018 gap analysis and educational needs assessment identifies endometriosis, fertility preservation, management of Mullerian anomalies, contraceptive choice, and effects of lifestyle on reproductive health as areas in need of additional education. Additionally, the PAG focused practice designation requires knowledge of management of these conditions. This course addresses the broad range of educational needs and spans the goals of the Pediatric and Adolescent Gynecology Special Interest Group (PAGSIG), Androgen Excess Special Interest Group (AESIG) and the Endometriosis Special Interest Group (EndoSIG).

Description

This full-day didactic course is designed to broaden knowledge about reproductive endocrinopathies, structural anomalies and medical complexities that affect the reproductive health of pediatric and adolescent patients. Topics include hormone replacement therapy in medically complex patients, complex contraception, medical and surgical management of uterovaginal anomalies, fertility preservation in children and adolescents, adolescent Polycystic Ovary Syndrome (PCOS) and approaches to adolescent endometriosis. We will present topics in a lecture format with case illustrations.

ACGME Competency

Medical Knowledge
 Patient Care and Procedural Skills

Learning Objectives

At the conclusion of this course, participants should be able to:

1. Identify reproductive endocrinopathies in adolescent development including androgen excess and derangements of the hypothalamic-pituitary-ovarian axis.
2. Describe the diagnosis and management of obstructive and non-obstructive anomalies of the reproductive tract.
3. Recommend contraceptive options for patients with complex medical conditions.
4. Counsel patients and parents on fertility preservation options in cancer.
5. Manage hormone replacement therapy in medically complex patients.
6. Counsel patients about diagnostic and management options for the assessment of pelvic pain and adolescent endometriosis.

PG10 Infertility: Did Someone Mention Men? Contemporary Psychosocial and Medical Issues in Male Factor Infertility CME

Developed in Cooperation with the Mental Health Professional Group (MHPG) and the Society for Male Reproduction and Urology (SMRU)

Faculty

William D. Petok, Ph.D. (*Chair*)
 Thomas Jefferson University
 Robert E. Brannigan, M.D.
 Northwestern University
 Jaime M. Shamonki, M.D.
 Generate Life Sciences

Target Audience

This course is designed for mental health, nursing, and medical providers working with male infertility.

Needs Assessment

Men with infertility represent a significant percentage of the infertile population. While 30 to 40 percent of infertility is male factor, there are significant gaps in awareness and research. Men's emotional reactions to a diagnosis of infertility have been studied far less than those of women. However, there is a growing body of research indicating that men do feel the loss associated with failure to conceive and have unique methods of adapting. At the same time, resources available for infertile men are limited or underutilized. Several factors contribute to the underutilization of resources, including narrow awareness, lack of high-visibility individuals willing to speak about the problem, and male avoidance of mental health services.

Description

This course will provide "cross-pollination" for mental health and medical providers. For mental health professionals to adequately provide support, they must be knowledgeable about the medical issues inherent in male factor infertility. Likewise, medical providers must be aware of the psychosocial components, so they can treat the whole individual. The course will provide an overview of the medical issues leading to male infertility and the current treatments available as well as the psychological concerns of men dealing with male factor and its treatment including recommendations for treatment.

ACGME Competency

Communication
 Teams and Teamwork
 Values/Ethics
 Interpersonal and Communication Skills

Learning Objectives

At the conclusion of this course, participants should be able to:

1. Describe various causes of male factor infertility
2. Summarize the emotional factors which can be present in men dealing with male factor infertility.
3. Review methods to optimize psychosocial resources for infertile men.
4. Discuss optimal evaluation methods for sperm donors.

PG11 The Patient Experience: The Good, The Bad and The Ugly CME

Developed in Cooperation with the Association of Reproductive Managers (ARM), Mental Health Professional Group (MHPG), the Nurses' Professional Group (NPG), Complementary and Integrative Medicine Special Interest Group

Faculty

Blake R. Welch, M.B.A. (*Chair*)
Aspire Fertility
 Margaret Swain, R.N., J.D.
Law Office of Margaret Swain, LLC
 Margaret Daneyko, R.N.
Reproductive Medicine Associates of New York

Target Audience

This course is designed for reproductive managers, administration staff, nurses, mental health professionals, and anyone interested in developing their skills in this area.

Needs Assessment

The course will take a global look at the patient experience and their journey through the clinic and the in vitro fertilization (IVF) process. The patient experience is vital not only to successful outcomes, but also for practice growth. The instructors will include representatives from management, nursing and legal. We will identify interdisciplinary patient experience issues and discuss solutions that any clinic staff can apply in their practices. The course also fulfills the gap analysis and educational needs for planning from 2018 entitled, "Practice/ Risk Management/Team-based Care." This course will provide needed knowledge for staff education and training, management of barriers to practice growth, and patient communications through website and social media.

Description

Topics in this course will include: Surviving the emotional rollercoaster: tools to support the patient and staff, Risk management for challenging patients: how to improve encounters and/or dismiss, Turn that frown upside down: implementing a program to improve your patients' journey, and Measuring the patient experience and getting your happy patients to talk about you. This interdisciplinary course will help close the gap between clinical practice and the overall patient experience as they journey through the IVF process.

ACGME Competency

Communication
 Roles/Responsibilities
 Teams and Teamwork
 Values/Ethics

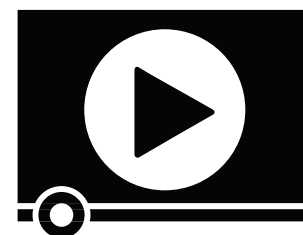
Learning Objectives

At the conclusion of this course, participants should be able to:

1. Describe a holistic view of the patient experience.
2. Assess the patient experience in your practice to improve your practice or to dismiss patients when the need arises.
3. Develop techniques to measure the patient experience and how to implement this data for overall improvement.

Fertility and Sterility®

The editorial team at *Fertility and Sterility* is pleased to announce a special **Journal Club Global** live from **The ASRM 2020 Virtual Scientific Congress & Expo** to discuss a recently published article. This exciting event will be streamed live. Register to watch online. **Monday, October 19, 11:10 am - 12:10 pm**



PG12 Fat and Fertility: Evidence from Basic, Epidemiologic, and Clinical Research

CME

Developed in Cooperation with the Nutrition Special Interest Group

Faculty

Malgorzata E. Skaznik-Wikiel, M.D. (*Chair*)
 University of Colorado - Anschutz Medical Campus
 Jorge E. Chavarro, MD, Sc.D.
 Harvard School of Public Health
 Sunni L. Mumford, Ph.D.
 NICHD

Target Audience

This course is designed for primary care physicians, speciality physicians, physician assistants, nurses, nurse practitioners, dieticians, and basic scientists.

Needs Assessment

In the 2019 ASRM gap analysis and educational needs, the topic of nutrition and its impact on fertility was identified as one of the areas needing more education. This proposed course is a direct response to this need with a specific focus on how different types of dietary fats impact female and male fertility. Most people consume more than a recommended daily dose of fat and the impact on fertility is not fully characterized. In addition, high-fat diets are popular and the reproductive function can theoretically be impacted in normal weight patients exposed to diets rich in fat, even in the absence of obesity. The proposed course will not only present basic and epidemiologic research findings, but will also address practical concerns on how to appropriately counsel patients on dietary fat intake to achieve the best fertility outcomes.

Description

High-fat dietary intake causes excessive storage of lipids in non-adipose tissues. Recommended daily intake of fat is 20-30% of total calories, but most Americans consume a diet containing at least 35%. However, evidence is limited regarding how specific types of fat can impact fertility. Therefore, there is limited knowledge among fertility care providers on how to counsel patients on dietary fat intake. This course will address these knowledge gaps by presenting the latest basic, epidemiologic, and clinical research findings addressing dietary fat intake and type of fat consumed and how it affects fertility in females and males.

ACGME Competency

Medical Knowledge
 Patient Care and Procedural Skills

Learning Objectives

At the conclusion of this course, participants should be able to:

1. Describe different types of fats and fatty acids consumed in a diet.
2. Summarize the effects of different types of fat on female and male fertility.
3. Identify ways to integrate dietary fat content modifications in the management of female and male infertility.

PG13 Bridging the Gaps in Access to Care CME

Developed in Cooperation with the Access to Care Special Interest Group

Faculty

Christopher N. Herndon, M.D. (*Chair*)
University of Washington

Jennifer E. Hirshfeld-Cytron, M.D.

Fertility Centers of Illinois

Barbara Lynn Collura, M.A.

RESOLVE: The National Infertility Association

Betsy Campbell, A.B.

RESOLVE: The National Infertility Association

Target Audience

The target audience for the course is physicians, mental health professionals, administrators and all allied health professionals that want to enhance access to care for patients.

Needs Assessment

It has been estimated that only a quarter of infertile couples in the United States can sufficiently access infertility care. Globally, that percentage is less than five percent. In 2015, ASRM launched the Access to Care movement as a collaborative call to action for universal access to reproductive care through education, research, clinical innovation, and outreach. This half-day course serves to educate and inform participants on the barriers that limit access to care and provide strategies to bridge the gaps in access to care that exist today in our communities. Aligned with gap analysis and needs, this course will enhance knowledge of participants on the complex landscape of insurance coverage for assisted reproductive technology (ART) in the United States and provide tools for advocacy for expansion of services.

Description

This course will educate participants on the financial, psychological and sociocultural barriers that limit access to care. Aligned with gap analysis and needs, this course will enhance knowledge of participants on the current landscape for insurance coverage in the United States for ART and new technologies including preimplantation genetic testing (PGT). Further, the course will provide participants strategies to advocate for expansion of coverage for services. This course will enhance knowledge on evidence-based approaches for the optimized management of infertility in resource constrained settings.

ACGME Competency

Roles/Responsibilities

Values/Ethics

Practice-based Learning and Improvement

Systems-based Practice

Learning Objectives

At the conclusion of this seminar, participants should be able to:

1. Identify factors contributing to disparities in access to infertility care in national and global settings.
2. Define factors, financial and non-financial, that restrict or limit access to care.
3. Describe the economics of ART, the current state of insurance coverage in the United States, and tools for advocacy to expand coverage.
4. Review evidence-based strategies to optimize clinical management of infertility in resource-constrained settings, including current data for emerging approaches to lower cost and complexity assisted reproductive technologies such as intravaginal culture.

PG14 Challenging Issues for a Fertility Practice CME

Developed in Cooperation with the Society of Reproductive Biologists and Technologists (SRBT), the Society for Assisted Reproductive Technology (SART), Association of Reproductive Managers (ARM), and the Legal Professional Group (LPG)

Faculty

Paul C. Lin, M.D. (*Chair*)
Seattle Reproductive Medicine
 Eve C. Feinberg, M.D.
Northwestern University
 Sangita K Jindal, Ph.D.
Einstein COM, Montefiore
 Marianne Kreiner, B.A.
Shady Grove Fertility
 Nidhi Desai, J.D.
Desai & Miller

Target Audience

This course is designed for physicians, embryologists, lab directors, nurses, supervisors, laboratory technicians, attorneys, reproductive administrators and managers.

Needs Assessment

Access to fertility services, when there are economic, geographic and cultural barriers coupled with the challenge of managing insurance and still providing quality patient care, is an issue that practices must manage. Along with access to care, communication between laboratory personnel and clinical staff is imperative to optimize clinical operations to support patient care and data reporting. Furthermore, legal issues surrounding storage of embryos and gametes, management of embryo disposition and abandonment, and the inherent risk of preventing potential frozen embryos from being damaged, are all issues identified in the 2019 ASRM gap analysis and needs assessment. This course is designed to optimize clinic operations, outcome data reporting, reduced risk of disasters, and improved communication between lab and clinic staff.

Description

The course will address issues surrounding access to fertility care due to insurance and its effect on patient care. The course will also cover embryo disposition and embryo abandonment challenges that ail any practice that freezes embryos or stores embryos, and disaster management and risk reduction in preventing disasters from occurring. In addition, the course will cover optimal practice operations as they pertain to communication between the lab and clinic staff, recruitment and staffing, and how to report data and outcomes properly in the SARTCORS portal.

ACGME Competency

Communication
 Patient Care and Procedural Skills
 Systems-based Practice

Learning Objectives

At the conclusion of this course, participants should be able to:

1. Develop appropriate staffing models and recruitment of talent.
2. Appraise and develop appropriate strategies that improve communication between laboratory and clinical operations. that optimize SART reporting
3. Discuss gamete storage strategies.
4. Review clinical strategies to accurately report outcome data.
5. Assess risk and develop strategies to manage disaster scenarios.
6. Describe future and past embryos and gamete storage issues that will minimize risk to the clinical practice from a legal perspective.

PG15 Development and Maintenance of a Third-Party Reproduction Team: Setting the Standard for Excellence

CME

Developed in Cooperation with the Nurses' Professional Group

Faculty

Karen R. Hammond, D.N.P., C.R.N.P. (*Chair*)
America Institute for Reproductive Medicine
 Melissa Brisman, Esq.
Melissa B. Brisman, Esq. LLC
 Jill Chisholm, M.S.N., W.H.N.P., A.P.N.G.
GeneScreen Counseling
 Lauri Pasch, Ph.D.
University of California, San Francisco

Target Audience

This interprofessional course is designed for all members of the third-party reproduction team, including nurses, advanced practice providers, mental health professionals, lawyers, physicians, and coordinators.

Needs Assessment

Data from the Society for Assisted Reproductive Technology show that more than 30,000, almost 12%, of all IVF treatment cycles were performed using donor oocytes and/or gestational carriers in 2017. Meticulous care must be delivered to address the medical, psychological, social, legal, and ethical aspects of providing care for patients using third-party reproduction. Health care professionals must understand and appreciate the various components of third-party reproduction in order to provide excellent care and treatment. Additionally, federal mandates associated with third-party reproduction, including requirements from the Food and Drug Administration and the Centers for Disease Control and Prevention, necessitate the need for keeping up with current regulations, as well as conscientious adherence to the requirements. ASRM has identified gaps in knowledge that are related to third-party reproduction, including optimizing patient outcomes in clinics, cost-efficient care, counseling for appropriate genetic screening of donors, mental health and genetic counseling, consents for third-party reproduction, counseling for patients about disclosure to children about the use of donors, and staff education and training. Similarly, professional group surveys and prior course evaluations have requested continuing educational opportunities that address the intricacies of third-party reproduction.

Description

This interprofessional course is designed to provide health care professionals in third-party reproduction the tools for establishing and maintaining excellence in practice. The various roles of the team members and their integration will be delineated. Didactic faculty and participant interaction coupled with question and answer sessions will provide the basis for professional development in the various aspects of third-party reproduction.

ACGME Competency

Communication
 Roles/Responsibilities
 Teams and Teamwork
 Values/Ethics

Learning Objectives

At the conclusion of this course, participants should be able to:

1. Analyze the roles and responsibilities of the members of the third party reproduction team.
2. Evaluate the genetic components of third party reproduction.
3. Develop procedures and protocols to address the requirements for the FDA and CDC.
4. Debate the legal aspects of third party reproduction.
5. Explain the differences in consents and contracts in third party reproduction.
6. Describe the mental health facets of third party reproduction.
7. Apply new knowledge to clinical practice in third party reproduction.

PG16 Coding for Reproductive Medicine Practices in 2020



Developed in Cooperation with the ASRM Coding Committee

Faculty

John T. Queenan Jr., M.D. (*Chair*)
 University of Rochester Medical Center
 George A. Hill, M.D.
 Nashville Fertility Center
 Beth W. Rackow, M.D.
 Columbia University Medical Center

Target Audience

This course is designed for physicians, practice managers, office managers, billers, coders, embryologists, sonographers, and laboratory managers.

Needs Assessment

The proper use of Current Procedural Terminology (CPT) codes is needed by every practitioner in the field of reproductive endocrinology. A knowledge gap exists due to the extensive nature of the International Classification of Diseases, Tenth Revision, Clinical Modification codes (ICD-10-CM) and procedure codes (CPT). ICD-10 recently replaced ICD-9. This new system of diagnostic coding requires a more detailed level of coding knowledge. Another knowledge gap exists because the CPT codes change on a yearly basis. Also, the sheer volume of codes is such that most physicians must hire additional staff who hold advanced degrees in the field of CPT coding. As an example, a textbook listing all the diagnosis codes relevant to the practice of OB/Gyn in 2019 was over 560 pages long. This course will focus on the coding needs of practitioners within the field of reproductive medicine and surgery.

Description

This educational activity will address the correct rules and regulations governing the use of CPT codes in the practice of reproductive endocrinology. Discussed in the course will be correct coding for diagnostic conditions that are typically encountered in practices, coding for ART laboratories, office procedures, ultrasound, infertility surgery, and emergency medical services. There are complex rules for documentation guidelines required by third-party payers that will be explained. This course will help close the knowledge and practice gaps identified above by covering a detailed review of the correct way to code.

ACGME Competency

Professionalism

Learning Objectives

At the conclusion of this course, participants should be able to:

1. Demonstrate correct coding of diagnostic conditions that are typically encountered in the practice of reproductive endocrinology.
2. Identify the current Current Procedural Terminology (CPT) code for surgical procedures commonly used in the practice of Reproductive Endocrinology and learn about additional resources available to aid with correct coding of procedures in the future.
3. Summarize the rules and regulations required by third party payers regarding documentation guidelines to verify that physician services were rendered according to medical necessity and in accordance with the requirements of CPT.

PG17 **Back to the Future: Genetics and Family Building Choices - Medical, Psychosocial, Nursing and Legal Considerations** **CME** **PEER**

Developed in Cooperation with the Mental Health Professional Group (MHPG), the Society for Reproductive Endocrinology and Infertility (SREI), the Legal Professional Group (LPG), Nurses' Professional Group (NPG), Genetic Counseling Professional Group (GCPG)

Faculty

Andrea Mechanick Braverman, Ph.D. (*Chair*)
Jefferson OBGYN
 Lorna Marshall, M.D.
Pacific NW Fertility
 Lisa A. Rinehart, R.N., J.D.
Legal Care Consulting
 Emily L. Mounts, M.S., C.G.C.
ORM Fertility

Target Audience

This interprofessional course is designed for nurses, mental health professionals, genetics counselors, and advanced practice providers.

Needs Assessment

The field of genetic testing has exploded in recent years. It continues to grow at enormous speed and all professionals in the field need to be abreast of what is available to patients, in addition to the potential and probable implications for themselves and their families. Increased genetic testing of donors and others now routinely provides patients with an enormous, and at times bewildering, array of information. Direct-to-consumer testing has led to recent consensus that anonymity with donor gametes no longer exists along with raising new medical, psychosocial, legal and ethical issues, as individuals seeking genetic connections also discover their potential for inheriting diseases. This course will address the knowledge gap and needs assessment of the importance of counseling skills and education of staff on how to best frame and anticipate patient concerns and needs. Assisted reproductive technology is a 'team sport' involving counseling on these issues from doctors, nurses, genetic counselors, mental health professionals and other allied professionals. Best practices are unclear as issues emerge rapidly with implications across professions and as we counsel our recipient and donor patients along with donor-conceived offspring.

Description

This course will explore how best to frame, anticipate and meet patient concerns and needs surrounding genetic testing and counseling by mental health professionals, nurses, genetics counselors and physicians, for donors, donor-conceived, and intended parents about the implications of genetic testing. Lectures and panels will provide participants with interprofessional knowledge as to the current genetic testing available, counseling strategies and skills needed, and implications for both current issues, for example, identification of gamete donors and heritability, and future medical concerns for patients and beyond. Participants will learn how to develop timely team-based strategies for interprofessional care.

ACGME Competency

Communication
 Teams and Teamwork
 Interpersonal and Communication Skills

Learning Objectives

At the conclusion of this course, participants should be able to:

1. Identify professional guidelines and protocols for genetic testing in a fertility practice.
2. Summarize the nurse's role in counseling patients about genetic testing.
3. Discuss the psychosocial implications of genetic testing for third party reproduction.

PG18 Polycystic Ovary Syndrome (PCOS) Across the Reproductive Life Course CME

Developed in Cooperation with the Mental Health Professional Group (MHPG),
Androgen Excess Special Interest Group

Faculty

Marla E. Lujan, M.Sc., Ph.D. (*Chair*)
Cornell University
Heather G. Huddleston, M.D.
University of California San Francisco
Terhi Piltonen, M.D.
Oulu University Hospital, University of Oulu
Shelley Lee, Ph.D.
NYU Langone Fertility Center

Target Audience

This course will attract a broad array of primary, specialized and allied healthcare professionals that care for PCOS patients whose health concerns and priorities change significantly over the life course.

Needs Assessment

Polycystic ovary syndrome (PCOS) is a complex endocrine disorder with diverse health implications across the reproductive lifespan. Patients require lifelong surveillance for a broad array of health risks and considerations related to their reproductive, cardiometabolic and mental health. Controversy over criteria to diagnose PCOS has hampered the timely identification of patients and the implementation of effective intervention strategies. As such, time to first diagnosis remains a challenge and patients report dissatisfaction with healthcare experiences and an inevitability for poor health outcomes. This course provides an up-to-date approach to the diagnosis and management of diverse health concerns in both adolescents and women with PCOS. The lectures and small group discussions leverage the findings of the new international evidence-based guideline for the diagnosis and management of PCOS, which supports multidisciplinary models of care for women with PCOS across the lifespan. By providing learners with practical approaches to address the management of infertility, weight, cardiometabolic comorbidities and mental health concerns, this course addresses several educational needs identified by the ASRM Continuing Medical Education Committee in the area of androgen excess disorders and mental health.

Description

This full-day program will provide learners with evidence-based approaches to diagnose PCOS in adolescence and adulthood, manage diverse health concerns related to infertility, weight, cardiometabolic comorbidities and mental health. Review of clinical case studies in small groups will provide opportunities for focused discussion on age and life course appropriate considerations for each of the topics. Learners will leave with an understanding of the findings of the new international evidence-based guideline for the diagnosis and management of PCOS.

ACGME Competency

Medical Knowledge
Practice-based Learning and Improvement

Learning Objectives

At the conclusion of this course, participants should be able to:

1. Apply evidence-based approaches to diagnose PCOS in adolescence and adulthood.
2. Formulate a management plan for infertile patients with PCOS.
3. Provide a weight management plan and options for addressing metabolic dysfunction in adults and adolescents in PCOS.
4. Assess psychological and emotional wellbeing in patients with PCOS across the life course.

PG19 **Thinking Outside the Box: Unique Populations for Fertility Preservation in 2020** CME

Developed in Cooperation with the Fertility Preservation Special Interest Group and the Society for Male Reproduction and Urology (SMRU)

Faculty

Akanksha Mehta, M.D., M.S. (*Chair*)
 Emory University School of Medicine
 James F. Smith, M.D.
 University of California, San Francisco
 Pasquale Patrizio, M.D.
 Yale Fertility Center
 Tommaso Falcone, M.D.
 Cleveland Clinic
 Kyle E. Orwig, Ph.D.
 University of Pittsburgh School of Medicine

Target Audience

The target audience is any professional with contact with patients considering fertility preservation. This includes REIs, urologists, obstetricians and gynecologists, nurses, and all allied health professionals.

Needs Assessment

Fertility preservation is an important topic for discussion and this program will address multiple gap analysis and educational needs addressed by the ASRM CME Committee. The gaps identified were a lack of knowledge of young men undergoing cytotoxic chemotherapy for both benign and malignant disease, access to care for fertility preservation, maximum age for male reproduction, transgender patient care and also, a lack of knowledge in taking transgender patients through the thought process of the future fertility journey. This course will review unique populations that heretofore have gone unrecognized, minimally discussed, and that remain critically important for fertility preservation. The course is designed as a combination of lectures and is meant to be an interactive session with debate, along with active audience participation.

Description

This course addresses multiple practice gaps in fertility preservation. While understanding of fertility preservation in malignant disease has been studied in detail, unique populations that can have disease, therapy and life circumstances that affect future fertility have been understudied and under-discussed. This course touches on the transgender population, benign disease, and aging in the male, all of which are populations that were identified by the ASRM CME Committee as having educational needs that are lacking.

ACGME Competency

Teams and Teamwork
 Medical Knowledge
 Practice-based Learning and Improvement
 Professionalism

Learning Objectives

At the conclusion of this course, participants should be able to:

1. Review the importance of educating other professionals on the clinical conditions that are non malignant that can affect fertility.
2. Summarize the importance of pre pubertal discussions regarding fertility preservation in malignant, benign and life situations.
3. Discuss the ethical and procedure questions to be asked and answered regarding post mortem sperm retrieval.

PG20 Truths and Myths, Debate on Lifestyle Issues for Male and Female Reproduction, the Embryo and Offspring

CME

Developed in Cooperation with the Society for Reproductive Endocrinology and Infertility (SREI), Complementary and Integrative Medicine Special Interest Group, and the Society for Male Reproduction and Urology (SMRU)

Faculty

Alex J. Polotsky, M.D., M.S. (*Chair*)
University of Colorado Anschutz Medical Campus
 David Shin, M.D.
Hackensack University Medical Center
 Robert M. Coward, M.D.
University of North Carolina
 Judy Simon, M.S., R.D.N., C.D., C.H.E.S., F.A.N.D.
Mind Body Nutrition, PLLC

Target Audience

This live activity is designed for reproductive endocrinologist, nurses, nutritionists, urologists, general obstetricians/gynecologists, nurse practitioners, and other allied health professionals.

Needs Assessment

There are significant gaps in knowledge regarding the evidence-based data of lifestyle issues, supplement usage, alternative therapies and reproduction. This is significant because direct to consumer advertising suggests that lifestyle issues, etc., can have major effects on fertility, yet data is lacking. Most patients who are struggling with infertility will look towards simple lifestyle and nutritional changes that can be made to improve fertility. The purpose of this course is to address the gap analysis and education needs defined by ASRM CME Committee specifically in the areas of complementary/alternative medicine, lifestyle and skill training, and nutrition looking at the impact on male and female fertility. Also, this course will cover the effects of lifestyle modifications on IVF protocols.

Description

Topics of discussion will include truths and myths of lifestyle modifications along with nutritional and alternative treatments, as they are related to reproduction. This course will address diabetes, obesity, metabolic syndrome and PCOS, smoking, alcohol, opioid abuse, anabolic steroids, marijuana, environmental toxins, exercise and sleep, diet and caffeine, and psychological stress, and how they effect male and female fertility. Furthermore, we will review evidence based data on supplements, acupuncture, and other alternative therapies.

ACGME Competency

Medical Knowledge
 Patient Care and Procedural Skills
 Practice-based Learning and Improvement

Learning Objectives

At the conclusion of this course, participants should be able to:

1. Review the lifestyle issues that affect male and female infertility.
2. Summarize the truths and myths regarding diet and dietary supplement use.
3. Describe the complementary alternative therapies available to improve infertility such as acupuncture etc.

PG21 Focus on Ultrasound Imaging for Fertility, Early Pregnancy, Consequences and Appropriate Reproductive Counseling CME

Developed in Cooperation with the Imaging in Reproductive Medicine Special Interest Group

Faculty

Laura Detti, M.D. (Co-Chair)

Cleveland Clinic

Michael Heard, M.D. (Co-Chair)

The Heard Institute

Caterina Exacoustos, M.D., Ph.D.

Jones Institute

Laurel Stadtmauer, M.D., Ph.D.

Jones Institute

Target Audience

The target audience includes all healthcare providers that engage in reproductive imaging in clinical practice. This includes nurses, physicians, and ultrasound technologists.

Needs Assessment

ASRM has ongoing needs for ultrasound imaging in daily practice for diagnosis and treatment of infertility and reproductive disorders. We rely on imaging to formulate working diagnoses and to educate our patients on current reproductive and fertility issues in addition to thorough assessment of early pregnancy and its complications. Patients must be counseled about the need for surgery, failed treatment cycles, and abnormal pregnancies daily. Information for providers is necessary to gain further insight into ultrasound diagnosis and necessary counseling that will optimize patient care. Counseling our patients and providing them with up to date information is necessary for their complete care. In the 2018 gap analysis and educational needs assessment, it was identified that hands-on training, to include instruction and interpretation of 3D ultrasounds, was an opportunity to improve patient care.

Description

Ultrasound imaging is essential to patient care in reproductive medicine. Clinical consequences result in the need for appropriate counseling from medical providers daily. This course will address all aspects of ultrasound essential for the fertility specialist's daily practice. Topics will include: transvaginal ultrasound and infertility, 3D and sonohysterography, ultrasound imaging of endometriosis and adenomyosis, ectopic pregnancy, and appropriate counseling and referrals for abnormal pregnancy diagnosis and reproductive loss.

ACGME Competency

Communication

Teams and Teamwork

Medical Knowledge

Patient Care and Procedural Skills

Practice-based Learning and Improvement

Systems-based Practice

Learning Objectives

At the conclusion of this course, participants should be able to:

1. Review clinical scenarios where professional referrals to reproductive counseling are appropriate.
2. Discuss ultrasound evaluation and counseling in infertile couples.
3. Summarize the management of various imaging modalities including transvaginal ultrasound, 3D ultrasound, and sonohysterography.
4. Describe the ultrasound evaluation of endometriosis, adenomyosis, and uterine fibroids, and their impact on fertility.
5. Review the normal development of early pregnancy anatomy through the first trimester using ultrasound imaging.
6. Identify risk factors for development of abnormal pregnancy and recurrent pregnancy loss.

PG22 Recurrent Implantation Failure CME

Developed in Cooperation with Indian Special Interest Group and the Indian Society for Assisted Reproduction (ISAR)

Faculty

Duru Shah, M.D., F.R.C.O.G., F.C.P.S., F.I.C.S.,
 F.I.C.O.G., D.G.O., D.F.P., F.I.C.M.C.H. (*Chair*)
Gynaecworld, Mumbai, India

Nandita Palshetkar, M.B.B.S., M.D.
Palshetkar Patil Nursing Home, Mumbai, India

Prakash Trivedi, M.D.
Palshetkar Patil Nursing Home, Mumbai, India

Ameet Patki, M.D.

Target Audience

This course is aimed for infertility and ART specialists, obstetrics and gynecologists, fellows, residents, and nurses who provide pregnancy care to patients.

Needs Assessment

There is a lot of misconception and self-testing and lack of evidence-based treatment in recurrent implantation failure (RIF) and recurrent pregnancy loss (RPL). RIF and RPL are different entities and its essential to differentiate and understand the cause and management strategies for each diagnosis. Discussed in this course will be the best way to investigate the problem, tests to order, and cost-effective strategies for identifying the patients' problem. It is important to comprehend the intricate interplay between the embryo and endometrium during implantation. Furthermore, medical treatments with hormones, surgical management of intrauterine cavity disorder, and role of metroplasty will be discussed. Evidence will be presented about a newer treatment option of platelet-rich plasma (PRP) and stem cell therapy to repair and rejuvenate damaged tissue. This course will provide needed knowledge in the best practices for the clinical management of RIF.

Description

This course covers all aspects of recurrent abortion in the theme, seed to soil. We propose to discuss all common and rare causes of pregnancy failure including recurrent implantation failure and recorded early pregnancy losses. Attendees will clarify their doubts and will get sample algorithms for the diagnosis including tests and clinical management for RIF.

ACGME Competency

Medical Knowledge

Patient Care and Procedural Skills

Practice-based Learning and Improvement

Learning Objectives

At the conclusion of this course, participants should be able to:

1. Describe the causes of recurrent implantation failure.
2. Review the cases of recurrent early pregnancy failure.
3. Discuss investigation and management algorithms.

PG23 Delivering Exceptional Care: Personalized Practice in the Embryology Laboratory CME PEER

Developed in Cooperation with the European Society of Human Reproduction and Embryology (ESHRE)

Faculty

Ioannis I. Sfontouris, M.Med.Sci., Ph.D. (*Chair*)
Eugonia Assisted Reproduction Unit
 Giovanni Coticchio, Ph.D.
9.Baby - Family and Fertility Center
 Roger G. Sturmey, Ph.D.
Hull York Medical School
 Dean Morbeck, Ph.D., M.B.A.
Fertility Associates

Target Audience

This course is designed for embryologists and other personnel working in an IVF laboratory, but will also benefit clinicians, basic scientists, geneticists and nurses, all of whom are involved in the treatment and care of infertile patients.

Needs Assessment

The modern embryology laboratory is equipped with a plethora of practices and technologies, aiming to boost the chances of achieving pregnancy and birth after fertility treatment. However, despite the great variability in medical and biological characteristics of patients, laboratory procedures usually remain standard. Although personalized medicine is recognized to lead to higher quality of care and better patient experience, in reproductive medicine the concept has been so far confined to tailoring ovarian stimulation regimes. A similar personalized approach in the embryology lab has not been sufficiently explored. ASRM has identified gaps in knowledge that are related to optimizing patient outcomes in assisted reproductive technology (ART) and the need for a 'dynamic collaboration' between different disciplines, including communication between clinicians and the laboratory, necessitating education on clinical regimens and laboratory strategies to improve outcomes in various types of patients. Therefore, there is a need to evaluate various laboratory procedures currently used in the embryology lab and to identify patient groups who may benefit from an intervention. This will assist us to deliver personalized care as opposed to the one-size-fits-all approach.

Description

This course will provide an overview of the principles and efficacy of several procedures, established or still unproven, used in the embryology lab; present evidence explaining why certain interventions may benefit some patients and not others; and highlight the importance of a personalized approach in the laboratory, as well as in the clinical management. Emphasis will be given to the need for collaboration and communication of the embryologists with clinicians, geneticists, andrologists, and basic scientists to better understand different patient profiles and address individual patient needs in the lab.

ACGME Competency

Communication
 Roles/Responsibilities
 Teams and Teamwork
 Interpersonal and Communication Skills
 Medical Knowledge
 Patient Care and Procedural Skills
 Practice-based Learning and Improvement
 Professionalism

Learning Objectives

At the conclusion of this course, participants should be able to:

1. Summarize the comparative efficacy of in vitro fertilization (IVF) and intracytoplasmic sperm injection (ICSI), and the application of artificial oocyte activation.
2. Review the effectiveness of blastocyst culture and transfer and assess the clinical value of borderline/questionable-quality blastocysts.
3. Describe current evidence on the freeze-all approach versus fresh transfer in the general population and in different patient subgroups.
4. Explain the current evidence on the use of preimplantation genetic testing for aneuploidies (PGT-A) in different patient populations.
5. Discuss ways of improving communication and collaboration between embryologists and other professionals involved in the treatment of infertile patients, in order to implement a personalized approach in the embryology laboratory.

PG24 Tissue Engineering and Modeling in Reproduction CME PEER

Developed in Cooperation with the Fibroids Special Interest Group

Faculty

Julie Kim, Ph.D. (Chair)
 Northwestern University
 Hugo Vankelecom, Ph.D.
 University of Leuven (KU Leuven)
 Ariella Shikanov, Ph.D.
 University of Michigan
 Dan Huh, Ph.D.
 University of Pennsylvania

Target Audience

The target audience includes all healthcare providers that engage in reproductive imaging in clinical practice. This includes nurses, physicians, and ultrasound technologists.

Needs Assessment

ASRM has ongoing needs for ultrasound imaging in daily practice for diagnosis and treatment of infertility and reproductive disorders. We rely on imaging to formulate working diagnoses and to educate our patients on current reproductive and fertility issues in addition to thorough assessment of early pregnancy and its complications. Patients must be counseled about the need for surgery, failed treatment cycles, and abnormal pregnancies daily. Information for providers is necessary to gain further insight into ultrasound diagnosis and necessary counseling that will optimize patient care. Counseling our patients and providing them with up to date information is necessary for their complete care. In the 2018 gap analysis and educational needs assessment, it was identified that hands-on training, to include instruction and interpretation of 3D ultrasounds, was an opportunity to improve patient care.

Description

Ultrasound imaging is essential to patient care in reproductive medicine. Clinical consequences result in the need for appropriate counseling from medical providers daily. This course will address all aspects of ultrasound essential for the fertility specialist's daily practice. Topics will include: transvaginal ultrasound and infertility, 3D and sonohysterography, ultrasound imaging of endometriosis and adenomyosis, ectopic pregnancy, and appropriate counseling and referrals for abnormal pregnancy diagnosis and reproductive loss.

ACGME Competency

Communication
 Teams and Teamwork
 Medical Knowledge
 Patient Care and Procedural Skills
 Practice-based Learning and Improvement
 Systems-based Practice

Learning Objectives

At the conclusion of this course, participants should be able to:

1. Review clinical scenarios where professional referrals to reproductive counseling are appropriate.
2. Discuss ultrasound evaluation and counseling in infertile couples.
3. Summarize the management of various imaging modalities including transvaginal ultrasound, 3D ultrasound, and sonohysterography.
4. Describe the ultrasound evaluation of endometriosis, adenomyosis, and uterine fibroids, and their impact on fertility.
5. Review the normal development of early pregnancy anatomy through the first trimester using ultrasound imaging.
6. Identify risk factors for development of abnormal pregnancy and recurrent pregnancy loss.

PG26 A Team Approach to Providing Early Pregnancy Loss Care in the Emergency Department and Outpatient Settings CME

Developed in Cooperation with the Society of Reproductive Surgeons (SRS)

Faculty

Sarah Prager, M.D., M.A.S. (*Chair*)
University of Washington
 Robin Supplee, C.N.M., A.R.N.P., M.P.H.
University of Washington
 Kelly Quinley, M.D.
Kaiser Permanente

Target Audience

The proposed course is intended for the entire healthcare team involved in early pregnancy loss care including physicians, fellows, residents, advanced practice nurses, clinic and nursing support staff.

Needs Assessment

Early pregnancy loss (EPL) is the most common loss in early pregnancy, occurring in up to thirty-one percent of all clinically recognized pregnancies. EPL is a common diagnosis in patients seeking fertility assistance. Accepted treatment options include expectant management, medication treatment, or surgical uterine evacuation, all of which have been shown to be reasonably effective and accepted by patients; no management approach has been shown to result in different long-term outcomes. To date, early pregnancy loss in the United States has largely been managed by uterine aspiration in the operating room, though all three forms of miscarriage management can be offered in other appropriately equipped settings, including the outpatient setting, which is cost-effective and permits continuity of care. Though the safety and efficacy of outpatient management of early pregnancy loss is known, training in early pregnancy loss management is often not included in medical training. The ability to successfully integrate services can be challenging, since it depends on an interprofessional approach that includes all members of the health care team who interact with patients in early pregnancy.

Description

This interactive course will teach a systems approach to improving outpatient based EPL care with didactic, experiential, and hands-on learning components. The course will include a presentation on the technical aspects of EPL management, a simulation workshop on uterine evacuation using the manual vacuum aspirator, facilitated exercises focused on the development of skills in counseling and supporting patients, identification of steps for implementation of an EPL protocol in the outpatient setting, and recommendations of strategies to integrate new EPL services or improve existing ones.

ACGME Competency

Teams and Teamwork
 Patient Care and Procedural Skills
 Practice-based Learning and Improvement

Learning Objectives

At the conclusion of this course, participants should be able to:

1. Review options for miscarriage management.
2. Implement the hands-on experience gained with using a simulator and practice uterine evacuation.
3. Identify steps toward implementation of an early pregnancy loss office protocol.

PG27 Fertility Preservation for Patients with Primary Ovarian Insufficiency CME

Developed in Cooperation with the Fertility Preservation Special Interest Group, Menopause and Ovarian Insufficiency Special Interest Group, Pediatric and Adolescent Gynecology Special Interest Group

Faculty

Staci E. Pollack, M.D., M.S. (*Chair*)
Albert Einstein College of Medicine
 Mindy S. Christianson, M.D.
John Hopkins University School of Medicine
 Krista Childress, M.D.
Emory University School of Medicine

Target Audience

The course is designed to educate reproductive endocrinology and infertility specialists and fellows, pediatric gynecologists and fellows, general gynecologists, nurse practitioners, nurses, and all allied health professionals that take care of patients suffering from POI.

Needs Assessment

Primary ovarian insufficiency impacts one percent of women prior to age forty and many may desire future pregnancy with their own eggs early in their diagnosis, but not be ready to immediately attempt to conceive. The available options for these patients are often ineffective, but quickly expanding. Early diagnosis of at-risk patients may further expand treatment options. According to the 2018 gap analysis and educational needs assessment, how to approach fertility treatment in this group of patients was an identified gap and a need for future approaches to treatment was identified. The need to counsel and offer fertility preservation treatment options for this group spans the goals of three different special interest groups in terms of clinical education. They are the Fertility Preservation Special Interest Group (FPSIG), Menopause and Ovarian Insufficiency Special Interest Group (MOISIG), and Pediatric and Adolescent Gynecology Special Interest Group (PAGSIG).

Description

Participants will learn about available fertility preservation options for females with primary ovarian insufficiency (POI) as well as severe diminished ovarian reserve. We will enhance their knowledge of fertility and fertility preservation options by presenting challenging clinical scenarios in a lecture format. We will discuss the history of POI, cryopreservation of embryos, and oocyte and ovarian tissue, in addition to emerging treatments.

ACGME Competency

Roles/Responsibilities
 Medical Knowledge
 Patient Care and Procedural Skills

Learning Objectives

At the conclusion of this course, participants should be able to:

1. Describe the natural history, epidemiology, clinical evaluation and diagnosis for primary ovarian insufficiency.
2. Counsel patients with POI regarding treatment, including future fertility.
3. Recommend different fertility preservation modalities for a patient with POI, including embryo cryopreservation, oocyte cryopreservation and ovarian tissue cryopreservation.
4. Describe emerging applications that may improve fertility outcomes in patients with POI such as in vitro activation.

ASRM 2020 SCIENTIFIC CONGRESS

Needs Assessment and Description

The theme of the 2020 Scientific Congress of the American Society for Reproductive Medicine is “Dynamic Collaborations in Reproductive Medicine.” The scope of reproductive medicine is broad ranging from puberty to menopause, including all genders, while having a focus that is both molecular and macroscopic. Dynamic collaborations between differing reproductive medicine teams for the resolution of infertility or fertility preservation of patients will be explored at this Congress. The program is balanced between science at the cellular level and application of dynamic collaborations in using cutting edge information in the clinical care of patients to promote positive outcomes for families. This live program is designed for physicians, nurses, andrology and embryology laboratory personnel, genetic counselors, social workers, practice and laboratory managers, as well as specialists in mental health, law, and ethics to advance exemplary medical care and disseminate cutting-edge research. These goals will be addressed by a wide array of educational activities.

The CME/CE portion of the Scientific Congress will include plenary lectures, symposia, and interactive sessions interweaving the theme of the annual Congress. Plenary lectures will feature exceptional speakers covering a wide range of themes in reproductive medicine including: cultivating collaboration in reproductive medicine, changing reproductive rights conversations, innovations in genetic analysis of embryos, genetic engineering and the future of humanity, developmental origins of health and disease, and improving access to reproductive medicine services in emerging countries. Congress symposia will provide more in-depth coverage of basic and clinical subjects. Topics range from spermatogenesis in a dish, expanding indications for preimplantation genetic testing (PGT) impact on ART practices, cultural considerations in international surrogacy arrangements, innovative methods to decrease the physical and emotional burden of undergoing infertility treatment, image-based reproductive surgery and uterine transposition, hormones and thrombosis a primer for clinicians and roadmap for researchers, impact of lifestyle intervention on health outcomes in Polycystic Ovary Syndrome, examining genetic risk for gamete donors, recurrent Implantation failure an entity of embryonic and maternal origin, clinical and molecular characteristics as predictive of implantation rates, reproductive HCT/P donor eligibility and compliance update, scientific basis of performing sound ovarian stimulation, surviving cancer optimizing reproductive health in adolescent and young adult survivorship, today's donor egg program, mapping of the patient journey, challenges of testicular cancer treatments, optimizing early pregnancy success in IVF, paternal age and male reproduction, future Japanese ART program, honoring prior promises in an era of vanishing anonymity, parental decisions about disclosure in donor-assisted reproduction, male fertility preservation in unique populations, caring for sexual minorities by optimizing care of lesbian, gay, and transgender patients, fertility preservation in women with breast cancer, primary ovarian insufficiency (POI), culinary medicine for fertility, interpreting PGT-A results and examining mosaicism, and tissue engineering and microfluidics to study the female reproductive tract in new ways.

The interactive sessions cover a wide range of stimulating topics and are meant to be a forum for discussion and interaction, including topics such as, fertility patient support strategies, how to obtain funding from different sources, high and low tech approaches to recurrent pregnancy loss, troubleshooting the laboratory, advanced surgical techniques in cases of non obstructive azoospermia and non azoospermia, antioxidants and male fertility, barriers to Adenomyosis discovery and treatment, fibroids and pregnancy, reproductive immunology and ART, evidence based embryo transfer, transition to a practice management role, time lapse imaging, diagnostic thresholds for defining PCOS, surgical video tutorial on uterine transplantation, climate change and reproductive health, strategies for increasing access to care, SART reporting, empower patients with genetic information, research methodologies to identify patients, and life style issues in male and female reproduction. Supplementing the CME/CE program will be non-CME/CE events including roundtable luncheons and Expert Encounters that will provide opportunities for in-depth discussion with experts in small-group settings as well as oral and poster scientific abstract presentations that enable investigators to present cutting-edge scientific research in reproductive medicine and biology. Included in the diverse program are “tracks” for specialty and interest areas to enable participants to focus on specific topics and identify areas to expand their knowledge. The 2020 Scientific Congress should provide ample opportunity for learning, improvement of clinical competence, and dynamic collaborations to promote interprofessional communication and teamwork.

Learning Objectives

At the conclusion of the Scientific Congress, participants should be able to:

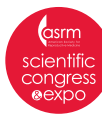
1. Discuss how the extensive range of reproductive technologies from the cellular level to clinical application using collaborative teams impact infertility and fertility preservation.
2. Propose strategies that simplify technology, reduce costs, and broaden accessibility to assisted reproductive technology care teams.
3. Describe the relevance of genetics and genomics to reproductive care.
4. Apply the latest scientific advances in embryo biology and assessment to the optimization of embryo transfer.
5. Summarize current knowledge of endometriosis, fibroids, adenomyosis, contraception, and polycystic ovary syndrome.
6. Explain the ethical, legal, and psychosocial ramifications of third-party reproduction.
7. Select appropriate treatments for reproductive dysfunctions in females and males at different ages throughout life—childhood, adolescence, adulthood, and reproductive senescence.

ACGME Competencies

Interpersonal and communication skills
Medical knowledge
Patient care
Practice-based learning and improvement
Professionalism
Systems-based practice

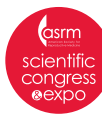
Interprofessional Competencies

Values/ethics for interprofessional practice
Roles/responsibilities
Interprofessional communication
Teams and teamwork



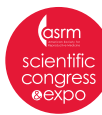
SPEAKER INDEX

Albertini, David	IN2-05	Coward, Robert	PG20
Alvero, Ruben	PG07, IN1-03, IN3-01, IN3-05, SY1-07	Cram, David	RD3-18
Amato, Paula	IN5-02, RD5-13	Crockin, Susan	PG07, IN2-03
Anderson, Antony	RD5-17	Daar, Judith	SY3-01
Appiah, Leslie	PG09, IN4-01, SY4-03	Dahdouh, Elias	IN5-01
Arenstein, Meryl	RD4-14	Dambaeva, Svetlana	IN2-05
Babayev, Samir	SY2-01	Daneyko, Margaret	PG11
Baldwin, Maureen	PG26, SY1-06	Davis, Gina	SY2-05
Bankowski, Brandon	SY5-02	Davoudian, Teni	CSM01
Bar-Chama, Natan	IN3-02	Desai, Nidhi	PG14
Barker, Nichole	IN1-01, RD3-05	Detti, Laura	PG21
Bartolucci, Alison	IN3-02	Dixon, Marjorie	RD1-17
Bayrak, Aykut	RD4-11	Dokras, Anuja	SY3-02
Behr, Barry	PG07, RD4-01	Dokson, Jamie	RD4-17
Bendikson, Kristen	PG05	Domar, Alice	PG01, SY2-04, SY4-05
Bergman, Kim	PG06, IN5-05	Doody, Kevin	IN2-06
Berman, Lauren	CSW01	Driessnack, Martha	SY3-04
Bernardi, Lia	RD1-07, SY3-05	Dumesic, Daniel	RD4-13
Besser, Andria	PG03	Easley, Charles	RD3-21
Bhagavath, Balasubramanian	PC25	Eichlin, Hayley	CSM02, CST01, CSW02
Bieniek, Jared	RD4-02	Eisenberg, Michael	SY4-06
Black, Lauri	PG03	Elias, Rony	IN2-02
Boots, Christina	RD4-15	Esfandiari, Navid	IN2-05
Bormann, Charles	RD2-17	Estes, Stephanie	SY1-05
Boyd, Alleigh	IN1-03	Esteves, Sandro	IN1-05
Brannigan, Robert	PG10, SY5-01	Exacoustos, Caterina	PG21
Braverman, Andrea	PG17	Falcone, Tommaso	PG19
Brezina, Paul	PG05, IN5-01, SY3-05	Farland, Leslie	PG02
Brisman, Melissa	PG15	Farquhar, Cindy	PG02
Bruner-Tran, Kaylon	RD3-07	Faulkner, Nicole	SY3-03
Burnett, Elena	RD3-10	Feinberg, Eve	PG14, IN5-02
Cakmak, Hakan	RD5-15	Ferrando, Cecile	SY4-02
Campbell, Betsy	PG13, IN3-05	Flyckt, Rebecca	VINT1, RD4-16
Capalbo, Antonio	PG03	Forman, Eric	IN5-03, RD2-04
Cardozo, Eden	IN3-05	Fox, Silvia	RD1-20
Caswell, Wayne	RD5-18	Franasiak, Jason	RD5-08
Catherino, William	IN1-02, RD2-02	Fukui, Atsushi	SY1-03
Celia, Gerard	PG08, IN3-04	Garcia-Jimenez, Gabriela	RD3-02
Chan, Serena	PG09	Gardner, David	IN5-03
Chang, T. Arthur	PG04, IN4-03, RD2-06	Gargiulo, Antonio	IN2-04
Chavarro, Jorge	PG12, IN2-01, RD1-09	Garrett, Lauren	RD1-12
Chen, Serena	IN3-06	Gaskins, Audrey	IN2-01, RD3-08, SY5-05
Childress, Krista	PG27, SY4-03	Gleicher, Norbert	SY2-02
Chisholm, Jill	PG15	Go, Kathryn	IN1-04
Christianson, Mindy	PG27, RD4-09, SY4-04	Goldberg, Jeffrey	RD2-21
Christy, Alicia	IN3-01, RD1-13	Golombok, Susan	SY3-04
Chudnoff, Scott	RD1-11, RD2-20	Goodman, Linnea	SY4-02
Cil, Aylin	SY5-03	Gordon, Elaine	RD1-19
Cimadomo, Danilo	SY1-02	Grazi, Richard	IN5-02
Cinnioglu, Cengiz	PG04, SY3-03	Griffith, Linda	PG24
Collura, Barbara	PG13	Grill, Elizabeth	PG07, SY3-01
Correia, Katharine	PG02	Halm, Will	PG06, IN5-05
Coticchio, Giovanni	PG23	Halvorson, Lisa	IN1-02
Covington, Laura	CSM01	Hamer, Geert	SY1-01



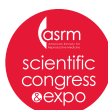
SPEAKER INDEX

Hammond, Karen	PG15	SY3-04, SY5-02	
Han, Leo	IN4-05	Laronda, Monica	SY4-01
Hanafin, Hilary	RD5-02	Lathi, Ruth	IN1-03
Haverfield, Eden	IN3-06	Laughlin-Tommaso, Shannon	PC25, IN2-04
He, Ping	SY2-06	Lawson, Angela	IN2-03
He, Zuping	SY1-01	Lee, David	RD5-19
Heard, Michael	PG21	Lee, Shelley	PG18
Heinemann, Klaas	LCT06	Leondires, Mark	PG06, SY1-07
Hernandez-Valencia, Marcelino	SY2-03	Letterie, Gerard	RD5-14
Herndon, Christopher	PG13, IN5-02	Levy, Michael	IN2-03, SY3-01
Hershberger, Patricia	SY3-04	Licciardi, Frederick	SY4-04
Hill, George	PG16	Lin, Paul	PG14, IN2-03, IN2-06, IN3-03, SY4-04
Hiraoka, Kenichiro	SY1-03	Lindheim, Steven R.	IN2-02
Hirshfeld-Cytron, Jennifer	PG13, IN5-02	Lujan, Marla	PG18, IN4-04, RD3-03, SY3-02
Hoechst, Judith	RD4-19	Maher, Jacqueline	SY4-03
Hoeger, Kathleen	IN4-04	Mak, Winifred	RD2-15, SY3-05
Holley, Sarah	CSM03	Malave, Anne	PG17, PG18
Holoch, Peter	IN2-05	Mallik, Rachelle	IN1-01
Honig, Stan.	PG08, PG19, PG20, IN1-05, IN3-02, IN4-06, SY4-06, SY5-01	Marks, Sheldon	RD5-11
Hotaling, James	RD4-04	Marsh, Erica	PC25, IN2-04, RD3-11
Huddleston, Heather	PG18, IN4-04	Marshall, Lorna	PG17
Huh, Dan	PG24	Martens, Michele	RD1-21
Hullender Rubin, Lee	IN1-01	Matthies, Sarah	RD1-22
Hurst, Bradley	RD4-06	McBain, Linsey	RD1-03
Hwang, Kathleen	RD5-12	McCulloh, David	RD2-08
Ingale, Kundan	RD1-14	McKnight, Katherine	RD2-23
Isley, Lauren	SY2-05	Medvedich, Jessica	IN4-02
Jabara, Sami	RD4-12	Mehta, Akanksha	PG19, SY5-01
Jarvi, Keith	PG08, RD2-07, RD2-11	Mersereau, Jennifer	IN3-03, RD2-10
Jindal, Sangita	PG14, RD2-16	Metzl, Jamie	EE201, PLE02
Johannesson, Liza	VINT1	Mikkelsen, Melanie	RD3-15
Jones, Amy	RD2-18	Milette, Brad.	PG04, IN1-04, IN1-06, IN3-04, IN4-03, IN5-03, SY3-03
Jones, Griffin	SY4-05	Mills, Benjie	RD2-01
Jordan, Amy	PG03	Mindes, Erica	CSW01
Jordan, Philip	RD5-07, SY1-01, SY3-06	Mitalipov, Shoukhrat	PG04
Joseph, Jamie	SY4-02	Montag, Markus	SY1-02
Judge, Anne	IN1-01	Mooney, Sara	RD3-04
Kahraman, Semra	RD5-05, SY1-04	Moravek, Molly	PG06, RD5-09
Kallen, Amanda	SY2-01	Morbeck, Dean	PG23, IN3-04
Katz, Madeleine	RD5-01	Morris, Jamie	RD4-08
Katz-Jaffe, Mandy	RD3-20, SY4-06	Mounts, Emily	PG03, PG17
Kawai, Kiyotaka	SY1-03	Mumford, Sunni	PG12
Kawwass, Jennifer	IN3-03	Murage, Alfred	LCT02
Kearns, William	IN5-01	Nassan, Feiby	IN3-01
Kim, Julie	PG24, SY4-01	Nel-Themaat, Liesl	RD5-16
Krashin, Jamie	SY1-06	Nervi, Lauren	CSM02, CST01, CSW02, IN4-02, SY5-04
Kreiner, Marianne	PG14, IN4-02, IN5-04	Nguyen, Antoinette	SY1-06
Kudesia, Rashmi	PG09, RD3-22	Nicholas, Lindsay	IN4-02
Kumar, Neha	IN3-06	Nothnick, Warren	RD1-08
Kunin-Leavitt, Shoshana	RD3-13	O'Neill, Kathleen	VINT1
Kutteh, William	SY3-05	Obedin-Maler, Juno	SY1-07
Lamb, Dolores	PG08	Oktay, Kutluk	SY2-01, SY5-03
Lanski, Ariadna	CSM01, CSM03, CST02, CSW01, SY2-04,	Orwig, Kyle	PG19, EE101, LCT04



SPEAKER INDEX

Palshetkar, Nandita	PG22	Sgarlata, Carmelo	PG01
Palumbo, Angela	RD3-12	Shah, Duru	PG22
Paniati, Kathy	RD3-16	Shamonki, Jaime	PG10
Parry, Preston	SY1-05	Shikanov, Ariella	PG24
Pascale, Claudia	CST02	Shin, David	PG20, IN4-06, RD2-12
Pasch, Lauri	PG15, SY3-04	Shin, Paul	IN3-02
Pastuszak, Alexander	IN1-05	Sierra, Sony	PG05
Patel, Jasmine	IN4-05	Sigman, Mark	IN1-05
Patki, Ameet	PG22	Simón, Carlos	IN1-02, IN1-06
Patrizio, Pasquale	PG19, RD1-10	Simon, Judy	PG20, SY5-05
Petok, William	PG10	Simpson, Joe Leigh	RD5-06, SY1-04
Petrozza, John	PC25	Skaznik-Wikiel, Malgorzata	PG12, RD5-04
Pfeifer, Samantha	RD4-10	Smith, Coleen	RD1-05
Pierce, Meghan	SY5-04	SMITH, JAMES	PG19, SY5-01
Pierman, Christine	RD5-03	Smith, Ryan	RD4-03
Pierorazio, Phillip	SY3-06	Snegovskikh, Victoria	RD4-05
Piltonen, Terhi	PG18, IN4-04	Sonmezer, Murat	RD2-22
Pollack, Staci	PG27	Spandorfer, Steven	PG05
Polotsky, Alex	PG20, IN4-06	Sparks, Amy	IN2-06
Porter, Simone	SY2-06	Spencer, Jessica	RD1-18
Prager, Sarah	PG26	Stadtmayer, Laurel	PG21, RD4-18
Queenan, John	PG16	Steiner, Anne	IN2-01
Quinley, Kelly	PG26	Stewart, Elizabeth	IN2-02
Rackow, Beth	PG16	Storment, John	RD3-01
Ramanadhan, Shaalini	IN4-05, RD1-06	Strowitzki, Thomas	SY1-02
Ravitsky, Vardit	SY3-01	Stull, Patty	IN5-04
Rechitsky, Svetlana	RD2-03, SY1-04	Sturmey, Roger	PG23
Reese, Trystan	RD4-21, SY1-07	Sueldo, Carolina	RD1-01
Reinecke, Joyce	IN3-05	Supplee, Robin	PG26
Rhoton-Vlasak, Alice	RD3-06	Swain, Jason	IN1-04, RD2-09
Ribiero, Reitan	SY1-05	Swain, Margaret	PG11, RD1-15, SY4-04
Richard-Davis, Gloria	RD3-09	Swanson, Amelia	RD3-14
Riddle, Mary	CST02, SY5-02	Taub, Rebecca	IN4-05
Rinaudo, Paolo	IN1-02	Thomas, Colin	RD1-04
Rinehart, Lisa	PG17, RD1-16	Thyer, Angela	RD1-23, SY5-05
Ringler, Guy	IN5-05	Tobias, Tamara	CST01, CSW02, SY2-05
Rios, Julie	PG09	Tomasino, Jeanette	IN1-03
Rizk, Botros	SY2-02	Toth, Bettina	SY1-02
Robertson, Christina	SY1-07	Toth, Thomas	SY2-04
Rodriguez-Wallberg, Kenny	IN4-01	Treff, Nathan	IN1-06
Roseboom, Tessa	PLE05	Trevino, Andres	LCT03
Rosenberg, Meryl	CSW01, RD4-20, SY5-02	Trivedi, Prakash	PG22
Ross, Heather	IN2-03	Trotman, Gylynthia	IN4-01
Roth, Lauren	RD2-13	Turan, Volkan	RD5-20, SY5-03
Rubio, Carmen	RD3-19	Turnbull, Clare	SY3-06
Rwiyereka, Angelique	PLE06	Van den Eede, Bruno	PG23
Ryan, Ginny	RD2-14	Vance, Amy	SY2-05
Sakkas, Denny	SY2-04	Vash-Margita, Alla	SY5-04
Samuelson Bannow, Bethany	SY1-06	VerMilyea, Matthew	IN4-03, RD5-10
Sanfilippo, Joseph	RD2-19	Vitek, Wendy	RD1-02, SY3-02
Schaftman, Glenn	SY2-02	Wang, Erica	SY5-03
Schenkman, Eva	IN4-03	Wantman, Ethan	IN2-06
Schuman, Lisa	SY5-04	Waters, Jessica	PLE04
Sfontouris, Ioannis	PG23	Welch, Blake	PG11, IN5-04, SY4-05



SPEAKER INDEX

Wells, Dagan	RD2-05
Welt, Corrine	EE102, LCT07
Widra, Eric	IN3-03
Wise, Lauren	RD3-17
Wood, Jennifer	PG01
Xiao, Shuo	SY4-01
Xie, Xiaoliang Sunney	PLE03
Yao, Humphrey	LCT05
Zaninovic, Nikica	PG04
Zhao, Yulian	RD4-07
Zweifel, Julianne	SY4-06

DISCLOSURES INDEX

All speakers at the 2020 ASRM Scientific Congress were required to complete a disclosure form.

Each speaker listed below disclosed a relationship pertaining to themselves or their partner/spouse.

¹Company Officer ²Direct Stockholder ³Full-Time Company Employee ⁴Grant Recipient ⁵Honoraria
⁶Paid Consultant ⁷Speaker's Bureau ⁸Other ^aPartner/Spouse ^bBoth

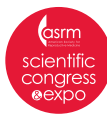
Albertini, D. F.	Bedford Research Foundation ⁶ ; Center for Human Reproduction ⁶ ; Springer/Nature Publishing ⁵	Dokras, A.	Ablacare ⁶ ; Guidepoint ⁶
Behr, B. R.	DX Now ⁶ ; Fellow ⁶ ; Flux Biosystems ⁶ ; Orchid ⁶ ; Progeny ² ; TMRW ⁶	Domar, A. D.	Abbott ⁵ ; Aliz Health Apps ¹ ; EMD Serono ⁵ ; Ferring ^{4,6} ; FertiCalm LLC ¹ ; FertiStrong LLC ¹ ; Merck ⁷ ; Nestle ⁶
Bendikson, K.	theralogix ⁸ (<i>medical advisory board</i>)	Doody, K. J.	Ferring Pharmaceuticals ^{6,7} ; INVO Bioscience ^{1,2}
Bergman, K.	Growing Generations ¹	Eisenberg, M. L.	Dadi ² ; Gilead ⁶ ; Hannah ² ; Roman ² ; Sandstone Diagnostics ² ; Underdog ²
Bhagavath, B.	Hologic Inc ^{4,8} (<i>Scientific advisory board</i>)	Estes, S. J.	Abbvie ^{6,7,8} (<i>research support</i>); Ferring ⁸ (<i>Research support</i>); Obseva ⁸ (<i>research support</i>)
Black, L. D.	NextGen Genetics Laboratory ⁶	Esteves, S. C.	Merck ^{4,5,7}
Bormann, C. L.	FujiFilm ⁵ ; Vitrolife ⁵	Farland, L. V.	Smith & Nephew ²
Boyd, A. L.	GenomeSmart ⁶	Faulkner, N.	Invitae ³
Braverman, A. M.	California Cryobank ⁶ ; Merck ⁷	Ferrando, C. A.	UpToDate, Inc ⁸ (<i>royalties</i>)
Brezina, P. R.	Advagenix ^{1,2} ; Fertility Associates of Memphis ^{1,2,3}	Forman, E. J.	Ferring Pharmaceuticals ⁷
Brisman, M. B.	Reproductive Possibilities ^{1,2,8} (<i>This is a surrogacy agency</i>)	Gardner, D. K.	Vitrolife AB ⁴
Catherino, W.	Abbvie ⁶ ; American Board of Obstetrics and Gynecology ⁵ ; American Society for Reproductive Medicine ⁵ ; Bayer ⁶ ; EMD Serono ³ ; Myovant ⁶ ; ObsEva ⁶	Gargiulo, A. R.	Lumenis, Inc. ⁶ ; Medicaroid, Inc. ⁶
Chen, S. H.	CooperGenomics ⁶ ; Guidepoint Global ⁶ ; Hologic ⁷ ; InVivae ⁷ ; Ohana ⁶ ; Pregnantish ⁵	Gleicher, N.	Fertility Nutraceuticals, LLC ^{2,8} (<i>Receives patent loyalty</i>); OvaNova, LLC ^{2,8} (<i>Co-owner</i>); US patents ⁸ (<i>Listed as co-inventors on a number of US patents</i>); Various pharma and medical device companies ^{4,5,8} (<i>Received research support, travel funding and lecture fees</i>)
Chudnoff, S.	Gynesonics ^{5,6} ; Myovant ⁶	Go, K. J.	Quest Diagnostics, Inc. ⁶ ; TMRW Life Sciences, Inc. ⁶
Cimadomo, D.	Irvine Scientific ⁸ (<i>Paid lectures</i>); Merck ⁶	Grazi, R.	ARTSystems, LLC ^{1,2}
Cinnioglu, C.	NextGen Genetics ^{1,3}	Grill, E. A.	Aliz Health Care Apps ⁸ (<i>Co Owner</i>); Donor Egg Meeting ⁵ ; FertiCalm LLC ⁸ (<i>Co Owner</i>); FertiStrong ⁸ (<i>Co Owner</i>); Merck Speaker's Bureau ⁷
Coticchio, G.	IBSA ⁷ ; Merck ⁸ (<i>Author of consensus scientific manuscript</i>)	Hammond, K. R.	Abbvie ⁷ ; INVO Bioscience ⁶
Cram, D.	Berry Genomics ¹	Haverfield, E.	Invitae ^{2,3} ; Takeda ^{2,3}
Crockin, S.	Amgen ⁶ ; AstraZeneca ⁶ ; BMS ^{6,8} (<i>Advisory Board</i>); Boehringer- Ingelheim ⁶ ; Eisai ⁶ ; exelixis ⁶ ; Genentech-Roche ⁶ ; Merck ^{6,8} (<i>Advisory Board</i>); Novartis ^{6,8} (<i>Advisory Board</i>); Pfizer ⁸ (<i>Advisory Board</i>); Werewolf ⁸ (<i>Stock options</i>)	Heard, M.	Houston Board Review ¹ ; The Heard Institute ¹
Davis, G.	EMPOWER DONATION LLC ^{1,2}	Hoeger, K.	AbbVie ⁶ ; Bayer ⁶
		Honig, S.	clarus ^{6,7} ; Coloplast ⁶ ; Endo Pharmaceuticals ^{6,7} ; omgyes.com ⁶

DISCLOSURES INDEX

Hotaling, J.	Abbvie, Novartis, Pfizer, Sanofi/genzyme regeneron ^{6,7} ; Andro360 ² ; Boston Scientific ⁴ ; ENDO pharmaceuticals ⁴ ; inherent biosciences ² ; Nanonc ² ; Quara ² ; StreamDx ² ; turtle health ⁴	Mindes, E. J.	Active Implants ⁸ (Study site for RCT); Aesculap ⁸ (Study site for RCT); Cartiheal Inc ⁸ (Part time Medical Director); MiMedX ⁸ (research site for RCT); Vericel ⁶
Huh, D.	Emulate ²	Moravek, M. B.	Arthrex ⁶ ; Probility Physical Therapy ⁶ ; Team Rehab Physical Therapy ⁶
Isley, L.	Generate Life Sciences ³	Morbeck, D. E.	ART Compass ⁸ (Scientific Advisory Board); Fertility Associates ^{2,3} ; The World Egg Bank ⁸ (Scientific Advisory Board)
Jarvi, K.	FlowLabs ¹	Murage, A.	Intas Pharma India ⁸ (Fertility symposium sponsorship, India); Merck Serono ⁸ (ESHRE conference sponsorship 2019)
Jordan, A.	Progenity ^{2,3}	Nervi, L.	Torrent Pharmaceuticals ³
Kallen, A. N.	GLG Group ⁶	Obedin-Maler, J.	Hims Inc. ⁶
Kudesia, R.	Progyny ⁶ ; Simple Health ⁶	Parry, P.	Parryscope Fertility ⁸ (Intellectual property rights relating to a surgical technique and device)
Kunin-Leavitt, S.	HCA ³	Pastuszak, A. W.	Allotrope Medical ^{2,8} (Advisor); Bayer AG ⁷ ; Endo Pharmaceuticals ^{4,6,7} ; Inherent Biosciences ^{2,8} (Advisor); Vault Health ^{1,2} ; Woven Health ^{1,2}
Kutteh, W. H.	Abbvie ⁷ ; Ferring ⁸ (Clinical Research study); Naterra ⁷	Patrizio, P.	FertileSafe ⁸ (co-founder and consultant)
Lamb, D. J.	Celmatix ⁸ (Scientific Advisory Board- No financial compensation); World Health Organization ⁸ (Committee Member - WHO paid partial travel costs)	Pfeifer, S.	Roman Health ⁶ ; Theralogix ⁶
Laughlin-Tommaso, S.	Bayer Pharma ⁴ ; UpToDate ⁵	Pierorazio, P.	Urogen Pharmaceuticals ^{6,8} (Site PI for clinical trial)
Leondires, M.	Genomic Predictions ⁸ (Investigator on RCT); Granata Bio ⁶ ; NextGen Genetics ²	Piltonen, T. T.	Exeltis ^{5,6,7} ; Roche ⁴
Licciardi, F. L.	Prelude ²	Polotsky, A. J.	Prima-Temp ⁸ (Prima-Temp consultant)
Lindheim, S.	Crossbay ²	Rechitsky, S.	Reproductive Genetic Innovations ^{1,3}
Mak, W.	Ohana biosciences ⁶	Rhoton-Vlasak, A. S.	Orthodevelopment ⁸ (Royalties)
Mallik, R. L.	Medical Electronic Systems ⁸ (received a nominal fee for a social media post about a promotion on their home sperm test)	Rios, J. S.	Abbvie ⁷
Marks, S. F.	ASSI ⁸ (Inventor of surgical instrument, receive zero money or benefits.); Springer ⁸ (Author of textbook on Vasectomy Reversals, receive royalties)	Rizk, B. M.	Abbvie ^{5,7} ; Fairhaven ^{5,7}
Marsh, E. E.	Myovant Sciences ⁶	Roseboom, T. J.	Medis medical imaging systems ³
McCulloh, D. H.	American Association of BioAnalysts ⁵ ; Biogenetics Corporation ^{1,8} (Part Time Employee); Ferring Pharmaceutical Company ⁵ ; GranataBio ⁸ (Advisory Board Member); ReproART: Georgian American Center for Reproductive Medicine ^{1,6} ; Southwest Embryology Summit ⁵ ; Sperm and Embryo Bank of New York ^{1,8} (Part Time Employee)	Ross, H. E.	Accelerate Diagnostics ²
Metzl, J.	TMRW ⁸ (advisory board)	Rubio, C.	Igenomix ³
		Sakkas, D.	EMD Serono ⁷ ; Legacy ⁸ (Advisor); Ohana ⁸ (Advisory Board)
		Schenkman, E.	Cooper Surgical ⁸ (Teaching at Center of Excellence); Mellowood Medical ⁶
		Sfontouris, I. A.	Eugonia ³ ; University of Nottingham ⁸ (Honorary Assistant Professor)
		Sgarlata, C. S.	ConnectWell ⁸ (Scientific Advisory Board- non-paid position)

DISCLOSURES INDEX

Shamonki, J. M.	Generate Life Sciences ¹
Shin, D.	Antares Pharm ⁷
Shin, P.	Promescent ²
Simón, C.	American Society for Reproductive Medicine ⁸ (<i>Editorial Editor Fertility and Sterility</i>); Ferring ⁶ ; Igenomix ⁸ (<i>Head of the Scientific Advisory Board, Head of Scientific Advisory Board</i>); Instituto de Salud Carlos III; Spanish Government ⁶ ; Merck ^{6,8} (<i>Invited Speaker</i>); TEVA ⁶ ; Theramex ⁸ (<i>Invited Speaker</i>)
SMITH, J.	Fellow Health inc. ⁸ (<i>stock options</i>)
SMITH, J. F.	Fellow Health inc. ²
Spencer, J. B.	JScreen ⁸ (<i>Advisor</i>)
Steiner, A. Z.	Prima-Temp ⁶ ; Seikagaku Corporation ⁶
Stull, P. O.	Capex ² ; Ferring Pharmaceuticals ⁶ ; Fertility Dynamics ¹
Taylor, T.	Illumina ^{2,3} ; Revolution Genetics ¹
Thomas, C.	EMD Serono ⁶
Tobias, T.	EMD Serono ⁷
Treff, N. R.	Genomic Prediction ^{1,2,3}
Trevino, A.	Sage Therapeutics ³
VerMilyea, M. D.	irvine scientific ⁶
Wantman, E.	Redshift Technologies, Inc. ¹ ; SART ⁶
Wells, D.	Juno Genetics ³
Welt, C. K.	Medtronic ⁶
Wise, L. A.	AbbVie ⁶
Wood, J. M.	EMD Serono ⁷
Xie, X.	Yikon Genomics ²



Non-CME Educational Sessions

- Roundtable Discussions
- Video Sessions
- Abstract Review Committees
- Oral Abstract Presentations
- Poster Abstract Presentations
- Abstract Topic Index
- Abstract Author Index
- Disclosures

SPONSORED BY
THE AMERICAN SOCIETY FOR REPRODUCTIVE MEDICINE





ROUNDTABLE DISCUSSIONS



SATURDAY, OCTOBER 17, 2020

ALMER

RD1-01

PCOS and Infertility: When Standard Ovulation Induction Fails

Carolina Sueldo, M.D.

Assistant Professor OB-GYN, UCSF-Fresno

Androgen Excess

RD1-02

Multidisciplinary Approach to Management of Cardiometabolic Health in PCOS

Robert Wild, M.D., M.P.H. Ph.D.

University of Oklahoma Health Sciences Center, Oklahoma City

Reproductive Managers

RD1-03

Clinic Expansion - the decision to build or not to build.

Linsey McBain, B.A.

ARM

RD1-04

Management Burnout

Colin Thomas, M.B.A.

ARM

Complementary and Integrative Medicine

RD1-05

Fertility and the Microbiome: Can Probiotics Help You Conceive?

Coleen Smith B.S.N., D.A.O.M.

Fertility Acupuncturist, F.A.B.O.M.

RD1-06

Contraception, Pharmacokinetics, and Cannabinoids

Shaalini Ramanadhan, M.D.

Oregon Health & Science University

Early Pregnancy

RD1-07

Chronic Endometritis and Early Pregnancy Failure

Lia Bernardi, M.D.

Northwestern

Endometriosis

RD1-08

The Potential Utility of miRNAs as Biomarkers for Endometriosis

Warren Nothnick, Ph.D.

Kansas University Medical Center

Environment and Reproduction

RD1-09

Environmental Contaminants in Food

Jorge Chavarro, M.D., Sc.D.

Harvard School of Public Health

Fertility Preservation

RD1-10

New Technologies in Fertility Preservation and Biobanking

Pasquale Patrizio, M.D.

Yale Fertility Center

Reproductive Surgery

RD1-11

Innovative Therapies, Including Stem Cell Treatments, in Asherman's Syndrome

Scott Chudnoff MD, M.Sc.

Stamford Hospital

Genetic Counseling

RD1-12

Male Factor Infertility: Genetic Risks and Considerations in IVF

Lauren Garrett, M.S., C.G.C.

Pacific Northwest Fertility

Health Disparities

RD1-13

Infertility Care Among Veterans

Alicia Christy, M.D.

Veterans Administration

Indian Reproductive Medicine

RD1-14

Evaluation and Management of Thin Endometrium

Kundan Ingale M.B.B.S., D.G.O., D.N.B.

Nirmiti Clinic, Center for Assisted Reproduction

Legal

RD1-15

Reacting to Clinic Mishaps: Collaborating on Legislative Responses

Margaret Swain, J.D., R.N.

Law offices of Margaret Swain

RD1-16

When the Divorce Isn't Final: When Patients Arrive with a New "Partner."

Lisa Rinehart, R.N., J.D.

Legal Care Consulting

LGBTQ

RD1-17

Stimulation of Trans Men: Protocols and Outcomes

Marjorie Dixon, M.D.

Anova Fertility and Reproductive Health

Menopause and Ovarian Insufficiency

RD1-18

Management of the Contemporary Patient with Primary Ovarian Insufficiency

Jessica Spencer, M.D., M.Sc.

Emory University School of Medicine, Department of Gynecology and Obstetrics



ROUNDTABLE DISCUSSIONS

**Mental Health**

RD1-19

Understanding Generational Differences when it Comes to Reproductive Care and Attitudes: Millennials, Generation X, Generation Y, Baby Boomers and the Traditionalists.

Elaine Gordon, Ph.D.
MHPG

RD1-20

Too Old, Too Fat, Too Broken: Addressing Infertile Women's Damaged Self-Concept

Silvia Schneider Fox, Psy.D.
Independent Practice

Nurses

RD1-21

Effective Tools and Communication Strategies for the Depressed and/or Anxious Patient

Michele Martens, D.N.P., R.N.,
P.M.H.C.N.S.-B.C.
Vanderbilt University School of
Nursing

RD1-22

Starting Off on the Right Foot: Successful Onboarding to Improve Nurse Retention

Sarah Matthies, R.N.
Seattle Reproductive Medicine

Nutrition

RD1-23

Walk Fast, Eat Slow: Evidence-Based Lifestyle Tips for PCOS

Angela Thyer, M.D.
Seattle Reproductive Medicine

Male Reproduction and Urology

RD1-24

Ejaculated vs Testes Sperm in Complicated IVF Cases: Case Presentations and Discussion

Keith Jarvi, M.D.
University of Toronto, School of
Medicine

SUNDAY, OCTOBER 18, 2020

Pediatric and Adolescent Gynecology

RD2-01

Hypothalamic Amenorrhea in the Adolescent

Benji Mills, M.D.
Prisma Health

Physician-Scientists

RD2-02

Finances of the Academician in the REI Field

William Catherino M.D., Ph.D.
Uniformed Services University of the
Health Sciences

Preimplantation Genetic Testing

RD2-03

PGT for Late Onset Disorders

Svetlana Rechitsky, Ph.D.
1954

RD2-04

Cost Effectiveness of PGT-A

Eric Forman, M.D.
Columbia University

RD2-05

Status of Comprehensive PGT

Dagan Wells, Ph.D.
IVI RMA

Regenerative Medicine and Stem Cell Biology

RD2-06

Generating Embryos from Stem Cells and Artificial Structures

T. Arthur Chang, Ph.D., H.C.L.D., E.L.D.
University of Texas Health Science
Center

Reproductive Immunology

RD2-07

Blood-Testis-Barrier and the Effect of Testicular Sperm Aspiration and Biopsy on Testicular Microenvironment

Keith Jarvi, M.D.
University of Toronto, School of
Medicine

Assisted Reproductive Technology

RD2-08

What Can We Learn from SARTCORS and the New Clinic Summary Report/National Summary Report?

David
McCulloh, Ph.D.
NYU Langone Prelude Fertility Center

RD2-09

Embryo Storage Options: Onsite vs Offsite?

Jason Swain, Ph.D.
CCRM Fertility Network

RD2-10

Egg Freezing Success Rates: Perceptions vs Reality

Jennifer Mersereau, M.D.
UNC Fertility

Male Reproduction and Urology

RD2-12

Should I Freeze My Sperm at 30 If I Don't Plan on Having Children until I'm 40-45?

David Shin, M.D.
Hackensack University Medical
Center

Reproductive Endocrinology & Infertility

RD2-13

Is Plant-Based Eating a Game Changer for Infertility

Lauren Case, M.D.
Shady Grove



ROUNDTABLE DISCUSSIONS



RD2-14

Strategies for Ethical Decision-Making in Reproductive Health: A Case-Based and Strategic Approach

Ginny Ryan M.D., M.A.
University of Iowa Carver College of Medicine

RD2-15

How to Effectively Use Invocell in Your Practice

Winifred Mak, M.D., Ph.D.
University of Texas Austin

Reproductive Biology and Technology

RD2-16

Management of a Hormone Laboratory as Part of an IVF Laboratory

Sangita Jindal, Ph.D.
Albert Einstein College of Medicine/Montefiore Medical Center

RD2-17

Use of Artificial Intelligence in the ART Laboratory

Charles Bormann, Ph.D.
Massachusetts General Hospital, Harvard Medical School

RD2-18

PGT Technologies: How to Know What Is Safe and Effective For Your Patients

Amy Jones, M.S.
Ovation Fertility

Reproductive Surgery

RD2-19

Surgery for Endometriosis Associated Infertility – When to Operate and When to Go Straight to IVF

Joseph Sanfilippo, M.D., M.B.A.
University of Pittsburgh

RD2-21

Hydrosalpinx: Excise or Repair?

Jeffrey Goldberg, M.D.
Cleveland Clinic Foundation

Turkish Reproductive Medicine

RD2-22

Management of Difficult IVF Cases

Murat Sonmezer M.D., professor
Ankara University School of Medicine

Assisted Reproductive Technology

RD2-23

IVF Stimulation Protocols for the Poor Responder

Katherine McKnight, M.D.
Houston IVF

MONDAY, OCTOBER 19, 2020

Access to Care

RD3-01

Expanding Fertility Benefits for Large Corporations

John Stormen, M.D.
Fertility Answers

AMMR

RD3-02

How We Can to Improve the Success of Embryo Transfer in Recurrent Implantation Loss

Gabriela Garcia-Jimenez, M.D.
Unilive

Androgen Excess

RD3-03

Ultrasound Evaluation of Polycystic Ovary Syndrome.

Marla Lujan, M.Sc., Ph.D.
Cornell University

Reproductive Managers

RD3-04

HR Staff, Engagement and Culture Scores

Sara Mooney, B.A.
ARM

Early Pregnancy

RD3-05

Navigating the Maze of Recurrent Pregnancy Loss

Nichole Barker, D.O.
Seattle Reproductive Medicine - Tacoma

Education

RD3-06

How to Engage Learners in an Interactive Educational Environment - One University's Model of Their Resident Core Lecture Series

Alice Rhoton-Vlasak, M.D.
University of Florida

Endometriosis

RD3-07

Experimental Evidence Linking Environmental Exposures to the Risk of Adenomyosis

Kaylon Bruner-Tran, Ph.D.
Vanderbilt University

Environment and Reproduction

RD3-08

Air Pollution and Fertility

Audrey Gaskins, Sc.D.
Emory University

Fibroids

RD3-09

Medical Treatment for Uterine Fibroids- Something Old, Something New

Gloria Richard-Davis, M.D.
UPDATE

Genetic Counseling

RD3-10

Ethical Considerations for PGT-A and PGT-M

Elena Burnett, M.S., C.G.C.
Oregon Health and Science University



ROUNDTABLE DISCUSSIONS


TUESDAY, OCTOBER 20, 2020

Health Disparities

RD3-11

Strategies for Increasing Enrollment of Women of Color into Research/Clinical Trials

Erica Marsh, M.D.
University of Michigan

Imaging in Reproductive Medicine

RD3-12

Optimization of Ovarian Stimulation by Three-Dimensional Ultrasound and SonoAVC

Angela Palumbo, M.D., Ph.D.
Centro de Asistencia a la Reproducción Humana de Canarias

Mental Health

RD3-13

Legal and Ethical Issues Involved in Fertility Preservation for Minors.

Shoshana Kunin-Leavitt, J.D.
Private Practice

RD3-14

Promoting Resilience and Posttraumatic Growth with Infertility Patients

Amelia Swanson, Ph.D.
Northwestern University

RD3-15

Embryo Donation: Opportunities and Challenges for Donors, Intended Parents, and Their Clinical Team

Melanie Mikkelsen, L.C.S.W./M.S.W.
Seattle Reproductive Medicine

Nurses

RD3-16

The End of Anonymity and the New Challenges for Patients and Third Party Providers

Kathy Paniati, B.S.N., R.N.
Center for Advanced Reproductive Services

Nutrition

RD3-17

Is Red Meat Intake Really That Bad for Male Fertility?

Lauren Wise, Sc.D.
Boston University School of Public Health

Preimplantation Genetic Testing

RD3-18

Outcome of Transfer of Embryos with Mosaicism

David Cram, Ph.D.
Berrygenomics, Beijing, China

RD3-19

Present Status of Non-Invasive PGT

Carmen Rubio, Ph.D.
Igenomix Spain

RD3-20

Sub-chromosomal Variation in PGT-A

Mandy Katz-Jaffe, Ph.D.
Colorado Center for Reproductive Medicine

Regenerative Medicine and Stem Cell Biology

RD3-21

Paternal Preconception Exposures: How They Impact Offspring Health

Charles Easley, Ph.D., M.S.
University of Georgia

Assisted Reproductive Technology

RD3-22

Lifestyle Modification Prior to ARTs: What's the Evidence?

Rashmi Kudesia, M.D.
CCRM Fertility Houston

Assisted Reproductive Technology

RD4-01

New Lab Set up? Is Newer Better?

Barry Behr, Ph.D.
Stanford Fertility and Reproductive Medicine Center

Male Reproduction and Urology

RD4-02

Teaching Models for Male Reproduction and Vasectomy

Jared Bienie, M.D.
Hartford Health Care

RD4-03

Status of Sophisticated Sperm Function Testing? What Tests Should I Use?

Ryan Smith, M.D.
University of Virginia

RD4-04

Sperm Cryopreservation in the Transgender Population

James Hotaling, M.D.
University of Utah School of Medicine Andrology and IVF Laboratories

Reproductive Endocrinology & Infertility

RD4-05

Pre-Implantation Genetic Testing for Aneuploidy: Cost As a Barrier to Uptake

Victoria Snegovskikh, M.D.
Women and Infants Hospital and Warren Alpert Medical School of Brown University

RD4-06

Academic Reproductive Endocrinology and Infertility Physician Compensation and Retention

Bradley Hurst, M.D.
Carolinas Medical Center Atrium Health



ROUNDTABLE DISCUSSIONS



Reproductive Biology and Technology

RD4-07

Embryo Culture and Epigenetic Alternations

Yulian Zhao, Ph.D.
Department of Obstetrics and Gynecology, Mayo Clinic

RD4-08

Improving Communication between the Lab Director, Physicians, and Key-Decision Making Personnel

Jamie Morris, M.D.
RMA New Jersey

Reproductive Surgery

RD4-09

Surgical Fertility Preservation – Ovarian Transposition, Uterine Transposition, and Ovarian Tissue Harvesting

Mindy Christianson, M.D.
John Hopkins University School of Medicine

RD4-10

Uterine Anomalies Amenable to Surgical Correction

Marc Laufer, M.D.
Boston Children's Hospital and Boston Center for Endometriosis

Turkish Reproductive Medicine

RD4-11

Business Models for IVF Practice

Aykut Bayrak, M.D.
LA IVF

Access to Care

RD4-12

Matching Resources to Demands in a Managed Care Setting

Sami Jabara, M.D.
Kaiser Permanente

Androgen Excess

RD4-13

Infertility Management in Polycystic Ovary Syndrome

Daniel Dumesic, M.D.
UCLA

Reproductive Managers

RD4-14

Revenue Cycle Management

Meryl Arenstein, B.A.
IVI New Jersey

Early Pregnancy

RD4-15

Can Weight Loss Prevent Pregnancy Loss?

Christina Boots, M.D.
Northwestern University

Fertility Preservation

RD4-16

Uterus Transplant: The State of the Art

Rebecca Flyckt, M.D.
UH Fertility Center, REI Division

Genetic Counseling

RD4-17

Mosaicism for Nurses

Jamie Dokson, M.S., C.G.C.
Navigate Genetic Counseling, LLC

Imaging in Reproductive Medicine

RD4-18

Endometrial Receptivity: The Importance of 3-D Ultrasound and Doppler Blood Flow in IVF Cycles

Laurel Stadtmauer, M.D., Ph.D.
Jones Institute

Legal

RD4-19

Legal Issues in Posthumous Gamete Use and Parentage

Judith Hoechst, J.D.
Private Practice

RD4-20

Managing Legal and Ethics Conflicts between Ips during a Gestational Carrier Pregnancy

Meryl Rosenberg, J.D.
Private Practice

LGBTQ

RD4-21

My Personal Journey to Fatherhood as a Trans Man

Trystan Reese, A.A.
Family Equality Council

WEDNESDAY, OCTOBER 21, 2020

Mental Health

RD5-01

2020's Choice Mothers

Madeleine Katz, Psy.D.
Independent Practice

RD5-02

Psychological Counseling and Managing of High Risk Pregnancies of Gestational Carriers and the Intended Parents

Hilary Hanafin, Ph.D.
Independent Practice

Nurses

RD5-03

A Lead Nurse's Perspective on Balancing Patient Care with Office Management Responsibilities

Christine Pierman B.S.N., R.N.
IVI-RMA

Nutrition

RD5-04

Good Fats, Bad Fats, and Female Fertility

Malgorzata Skaznik-Wikiel, M.D.
University of Colorado - Anschutz Medical Campus



ROUNDTABLE DISCUSSIONS



Preimplantation Genetic Testing

RD5-05

Pinpointing Genes Involved in Severe Infertility

Semra Kahraman, Prof
Istanbul Memorial Hospital

RD5-06

Expanding Carrier Screening: Impact on PGT-M Uptake

Joe Leigh Simpson, M.D.
Florida International University

Regenerative Medicine and Stem Cell Biology

RD5-07

Meiotic Errors, Aneuploidy, and Infertility

Philip Jordan, Ph.D.
Johns Hopkins University Bloomberg School of Public Health

Assisted Reproductive Technology

RD5-08

Managing Recurrent Implantation Failure

Jason Franasiak, M.D.
IVI-RMA New Jersey

RD5-09

Pearls for Transgender Care

Molly Moravek, M.D., M.P.H.
Reproductive Endocrinology and Infertility, University of Michigan

RD5-10

IVF Add-ons: Patient Driven or Financially Motivated

Matthew VerMilyea, Ph.D.
Ovation Fertility

Male Reproduction and Urology

RD5-11

Search Engine Optimization for Your Male Reproduction Website: How Best to Direct Patients to Your Site: What I Did Right and Wrong

Sheldon Marks, M.D.
International Center for Vasectomy Reversal

RD5-12

Micro TESE : Fresh or Frozen? Pro and Con Arguments

Kathleen Hwang, M.D.
University Pittsburgh, Urology

Reproductive Endocrinology & Infertility

RD5-13

CRISPR: Promise and Perils Primer on Gene Editing and the Ethical Controversies

Paula Amato, M.D.
Oregon Health & Science University

RD5-14

Lawsuit Frequency and Claims Basis over Lost, Damaged, and Destroyed Frozen Embryos

Gerard Letterie, M.D.
Seattle Reproductive Medicine

RD5-15

Investigation of New Genetic Causes for Failure of Implantation and Pregnancy Loss: Shedding Light into a Black Box

Hakan Cakmak, M.D.
UCSF

Reproductive Biology and Technology

RD5-16

Career Development for the New ART Lab Professional: How to Skyrocket Your Career

Liesl Nel-Themaat, Ph.D., H.C.L.D.
University of Colorado Anschutz Medical Campus

RD5-17

QC in the Cloud: Enhancing Patient Outcomes without Binders, Clipboards, and Spreadsheets

Antony Anderson, D.H.Sc.
Aspire Fertility San Antonio

RD5-18

Selecting the Best Cryotank Monitoring Systems for your Laboratory

Wayne Caswell, B.S.
Donor Egg Bank USA

Reproductive Surgery

RD5-19

Minimizing Blood Loss during Myomectomy: Tips and Tricks

David Lee, M.D.
Oregon Health & Science University

Turkish Reproductive Medicine

RD5-20

Fertility Preservation and Pre-Post Menopausal Management in Women with Breast Cancer

Volkan Turan, M.D.
Memorial Bahcelievler Hastanesi

VIDEO ABSTRACTS

Saturday, October 17, 2020

10:00 am - 11:00 am

VIDEO ABSTRACT SESSION 1

- 10:00 AM **V-01** **NON-INVASIVE SELECTION OF SINGLE SPERM WITH HIGH DNA INTEGRITY FOR ICSI.** Zhuoran Zhang, PhD¹, Changsheng Dai, MASC¹, Guanqiao Shan, MASC¹, Khaled Abdalla, MASC², Iryna Kuznyetsova, PhD², Clifford Lawrence Librach, MD², Keith Jarvi, MD³ and Yu Sun, PhD¹, ¹University of Toronto, Toronto, ON, Canada, ²CReATe Fertility Centre, Toronto, ON, Canada, ³University of Toronto, School of Medicine, Toronto, ON, Canada
- 10:08 AM **V-02** **NEW ERA OF MALE INFERTILITY MICROSURGERY: 4K3D ORBEYE VIDEO OPERATING MICROSCOPY.** Huixing Chen, M.D. Ph.D., Russell P Hayden, M.D., Omar Al Hussein Alawamlh, M.D., Peter N Schlegel, M.D., Marc Goldstein, M.D. and Philip S. Li, M.D., Center for Male Reproductive Medicine and Microsurgery, Weill Cornell Medicine, New York Presbyterian Hospital, New York, NY
- 10:16 AM **V-03** **FERTILITY-PRESERVING, SURGICAL MANAGEMENT OF A CESAREAN SCAR ECTOPIC PREGNANCY.** Christine Hur, MD, Miguel Luna Russo, MD and Cara R King, DO, MS, Cleveland Clinic, Cleveland, OH
- 10:24 AM **V-04** **RESOLUTION OF ABDOMINAL PAIN AFTER COIL EMBOLIZATION OF VARICOCELE WITH ROBOTIC RESECTION OF GONADAL VEIN.** Johnathan Doolittle, MD, Viraj Maniar, MD, Peter N Dietrich, MD, Jay I Sandlow, MD, Scott Johnson, MD and Jagan K. Kansal, MD, MBA, Medical College of Wisconsin, Milwaukee, WI
- 10:31 AM **V-05** **A NOVEL ROBOTIC ENDOSCOPIC DEVICE USED FOR OPERATIVE HYSTEROSCOPY: ASHERMAN'S SYNDROME.** Lara Harvey, MD MPH, Richard Hendrick, PhD², Neal P Dillon, PhD, Evan Blum, BS³, Lauren Branscombe, MS³, Scott J Webster, PhD³ and Ted L Anderson, MD PhD⁴, ¹Virtuoso Surgical, Nashville, ²Virtuoso Surgical, Inc., Nashville, TN, ³Virtuoso Surgical, Nashville, TN
- 10:38 AM **V-06** **PELVIC ENDOMETRIOSIS CAUSING HYDRONEPHROSIS.** Karine Matevossian, DO¹, Rachel Yoon, MD¹, Kirsten Sasaki, M.D.² and Charles E. Miller, M.D.³, ¹Advocate Lutheran General Hospital, Park Ridge, IL, ²Advocate Lutheran General Hospital, Naperville, IL, ³The Advanced Gynecologic Surgery Institute/The Advanced IVF Institute, Charles E. Miller, MD & Associates, Naperville, IL
- 10:44 AM **V-07** **SURGICAL REPAIR OF A CESAREAN SCAR DEFECT USING A VAGINAL APPROACH.** Abigail C Mancuso, MD¹, Erin Maetzold, MD¹, Joseph T Kowalski, MD¹ and Bradley J Van Voorhis, MD², ¹University of Iowa Hospitals and Clinics, Iowa City, IA, ²University of Iowa, Iowa City, IA
- 10:52 AM **Question & Answers.**

VIDEO ABSTRACTS

Sunday, October 18, 2020

10:00 am - 11:00 am

VIDEO ABSTRACT SESSION 2

- 10:00 AM **V-08** **SURGICAL MANAGEMENT OF UNDESCENDED LEFT OVARY AND RUDIMENTARY UTERINE HORN.** Lauren Elizabeth Verrilli, MD¹, Addison William Alley, MD² and Joseph M Letourneau, MD¹, ¹University of Utah, Salt Lake City, UT, ²University of Arizona College of Medicine - Phoenix, Phoenix, AZ
- 10:06 AM **V-09** **A NEW PIEZO DRILL FOR HUMAN ICSI.** Changsheng Dai, MASc¹, Alexander Lagunov, MSc², Zhuoran Zhang, PhD¹, Guanqiao Shan, MASc¹, Jason E Swain, PhD, HCLD³, William B Schoolcraft, MD⁴, Tom Hannam, MD⁵ and Yu Sun, PhD¹, ¹University of Toronto, Toronto, ON, Canada, ²CCRM Toronto, Toronto, ON, Canada, ³CCRM Fertility Network, Lone Tree, CO, ⁴Colorado Center for Reproductive Medicine, Lone Tree, CO, ⁵Hannam Fertility Centre, Toronto, ON, Canada
- 10:10 AM **V-10** **CREATION OF A NOVEL INFLATABLE VAGINAL STENT FOR MCINDOE VAGINOPLASTY.** Phillip A Romanski, MD, Pietro Bortoletto, MD and Samantha Pfeifer, M.D., Weill Medical College of Cornell University, New York, NY
- 10:17 AM **V-11** **OHVIRA: FERTILITY SPARING SINGLE-STAGE SURGICAL MANAGEMENT.** Abigail L Bernard, MD¹, Vaishnavi Purusothaman, MD, MA² and Linnea R Goodman, MD¹, ¹University of North Carolina, Raleigh, NC, ²University of North Carolina, Chapel Hill, NC
- 10:24 AM **V-12** **VAGINAL ULTRASOUND PROBE FOR ABDOMINAL OOCYTE RETRIEVAL: DEMONSTRATION OF A NOVEL APPROACH.** Jacquelyn Shaw, MD¹ and Frederick L. Licciardi, M.D.², ¹NYU Langone Prelude Fertility Center, New York, NY, ²NYU Langone Health, New York, NY
- 10:30 AM **V-13** **SURGICAL MANAGEMENT OF ADENOMYOSIS: LAPAROSCOPIC ADENOMYOSIS RESECTION.** Kaia Schwartz, MD¹, Elliott G Richards, MD² and Tommaso Falcone, M.D.³, ¹Cleveland Clinic Foundation, CLEVELAND, OH, ²Cleveland Clinic, Cleveland, OH, ³cleveland Clinic, cleveland, OH
- 10:37 AM **V-14** **DO'S AND DON'TS FOR SURGICAL MANAGEMENT OF TYPE 2 UTERINE FIBROIDS IN THE ART PATIENT.** Salomeh M. Salari, MD MS¹, Rhea Chattopadhyay, MD² and Rebecca Flyckt, MD², ¹University Hospitals Cleveland Medical Center, Cleveland, OH, ²University Hospitals Fertility Center/Case Western Reserve University, Beachwood, OH
- 10:44 AM **V-15** **SURGICAL MANAGEMENT OF PROXIMAL TUBAL OCCLUSION: A VIDEO GUIDE FOR CORNUAL CANNULATION.** Kathryn D Coyne, MD¹, Channing Burks, MD², Rebecca Flyckt, MD³ and James H Liu, M.D.⁴, ¹University Hospitals Cleveland Medical Center, OH, ²University Hospitals Fertility Center/Case Western Reserve University, Beachwood, OH, ³UH Fertility Center, REI Division, ⁴UH MacDonald Women's Hospital, Cleveland, OH
- 10:50 AM **Questions and Answers.**

Abstract Reviewers

ASRM appreciates those who volunteered to review the 2020 abstract submissions. Thank you for your your time and participation.

Galal Abdo	Pamela Callum	Frederick Eruo	Rebecca Holmes
Glen Adaniya	Eden Cardozo	Navid Esfandiari	Stan Honig
Amanda Adeleye	Olivia Carpinello	Sandro Esteves	Manar Hozyen
Lusine Aghajanova	Morine Cebert	Simone Ferrero	Heather Huddleston
Asima Ahmad	Marcelle Cedars	Rita Fields	Lee Hullender Rubin
Ali Ahmady	Gerard Celia	Necati Findikli	Bradley Hurst
Ayman Al-Hendy	Jessica Chan	Joe Findley	Kathleen Hwang
Vinita Alexander	T. Arthur Chang	Jill Fischer	Deborah Ikhen-Abel
Tamar Alkon	Charalampos	Valerie Flores	Tia Jackson-Bey
Ruben Alvero	Chatzicharalampous	Rebecca Flyckt	Tarun Jain
Raymond Anchan	Jorge Chavarro	David Frankfurter	Jeffrey Jensen
Linda Anderson	Serena Chen	Melanie Freeman	Sangita Jindal
Marlane Angle	Renee Chosed	Rani Fritz	Beth Johnson
Sawsan As-Sanie	Mindy Christianson	Amber Gamma	Erica Johnstone
Awoniyi Awonuga	Alicia Christy	Rumiana Ganeva	Amy Jones
Johnny Awwad	Melanie Clemmer	Bhushan Gangrade	Philip Jordan
Janice Bacon	Charles Coddington	David Gardner	Semra Kahraman
Valerie Baker	Gretchen Collins	Audrey Gaskins	Amanda Kallen
Ahmed Balboula	Joshua Combs	Steven Gay	Anatte Karmon
G Ball	Pierre Comizzoli	Luca Gianaroli	Daniel Kaser
Natan Bar-Chama	Laura Cooney	Daniella Gilboa	Quinton Katler
Yona Barak	Alan Copperman	Elizabeth Ginsburg	Mandy Katz-Jaffe
Jonah Bardos	Stephanie Corsetti	Kathryn Go	Jennifer Kawwass
Nichole Barker	Laura Covington	Kara Goldman	Nahla Kazim
Emily Barnard	Robert Coward	Randi Goldman	Dawn Kelk
ANA Bartmann	LaTasha Craig	Tony Gordon	Levent Keskin-tepe
Alison Bartolucci	John Csokmay	Daniel Grow	Michelle Kiehl
Brindha Bavan	Ali Dabaja	Carlos Guerrero	Sung Tae Kim
Barry Behr	Svetlana Dambaeva	Marina Gvakharia	Nancy Klein
Kristen Bendikson	Mausumi Das	Lisa Halvorson	Sigal Klipstein
Ariel Benor	Lynn Davis	Geert Hamer	Rebecca Krisher
William Berg	Christina Davis-	Karen Hammond	Anver Kuliev
Dara Berger	Kankanamge	Leo Han	Shoshana Kunin-Leavitt
Lia Bernardi	Christopher De Jonge	Brent Hanson	Satu Kuokkanen
Ricardo Bertolla	Anthony DeAngelis	Brooke Harnisch	Vitaly Kushnir
Andria Besser	Christopher Deibert	Holly Harris	Joanne Kwak-Kim
Jared Bieniek	Meaghan Delaney	Gary Harton	Dolores Lamb
Andrea Bird	Laura Detti	Dorota Hawksworth	Michael Lanham
Lauri Black	Alice Domar	Katherine Hayes	Aaron Lazorwitz
Silvina Bocca	Rachel Donnell	Zuping He	Jocelyn Leahey
Christina Boots	Kathleen Doody	Jose Hernandez-Ledezma	Michael Lee
Charles Bormann	Kevin Doody	Christopher Herndon	Jovana Lekovich
Robert Brannigan	Mark Dow	Patricia Hershberger	Gerard Letterie
Carol Brenner	Anil Dubey	Laura Hewitson	Angela Leung
Paul Brezina	Abey Eapen	Christopher Hibray	Juergen Liebermann
Christine Briton-Jones	Charles Easley	Timothy Hickman	Paul Lin
Kaylon Bruner-Tran	Jennifer Eaton	Micah Hill	Steven R. Lindheim
Maria Bustillo	Noor Ebbiary	Heather Hipp	Yifei Liu
Erkan Buyuk	Ahmed El-Damen	Sarah Holley	Richard Lucidi

Marla Lujan
 Kelly Lynch
 Shruthi Mahalingaiah
 Winifred Mak
 Anne Martini
 Erin Masaba
 Bat-Sheva Maslow
 Stacy McAllister
 Peter McGovern
 Laurie McKenzie
 Katherine McKnight
 Dana McQueen
 Dana McQueen
 Holly Mehr
 Jill Mellon
 Marie Menke
 Jennifer Mersereau
 Elizabeth Micks
 Brad Milette
 Charles Miller
 Jenna Miller
 Andre Monteiro Da
 Rocha
 Sara Mooney
 Monica Moore
 Molly Moravek
 Dean Morbeck
 Christine Mullin
 Sunni Mumford
 Santiago Munne
 Olarik Musigavong
 Harris Nagler
 Zsolt Nagy
 Kanad Nayar
 George Ndukwe
 Shelby Neal
 Liesl Nel-Themaat
 Ceana Nezhath
 Stephanie Nichols-Burns
 Nicole Noyes
 Nancy Nugent
 Jeanne O'Brien
 Sergio Oehninger
 Dana Ohl
 Kutluk Oktay
 Kenan Omurtag
 Engin Oral
 Raoul Orvieto
 Kevin Osteen
 Thomas O'leary
 Lubna Pal
 Dimitar Parvanov
 Alexander Pastuszak
 Pasquale Patrizio
 MaryEllen Pavone

Mary Peavy
 Marina Peluffo
 Lindsay Penrose
 Jamie Peregrine
 John Petrozza
 Bruce Pier
 Paul Pirtea
 Torie Plowden
 Alex Polotsky
 Kimball Pomeroy
 Thomas Pool
 Jean Popwell
 Marc P. Portmann
 Marc P. Portmann
 Scott Purcell
 Elizabeth Puscheck
 Alexander Quaas
 Molly Quinn
 Tayyab Rahil
 Shaalini Ramanadhan
 Ranjith Ramasamy
 Leslie Ramirez
 Svetlana Rechitsky
 Christine Reda
 Michael Reed
 Matthew Retzloff
 Alice Rhoton-Vlasak
 Elliott Richards
 Mary Riddle
 John Rinehart
 Lisa Rinehart
 Greysa Rivera-Cruz
 Heather Ross
 Lee Rubin
 Carmen Rubio
 Ginny Ryan
 Denny Sakkas
 Sana Salih
 Mary Samplaski
 Nanette Santoro
 May-Tal Sauerbrun
 Glenn Schattman
 Eva Schenkman
 Mitchel Schiewe
 Austin Schirmer
 Maureen Schulte
 Richard Scott
 David Seifer
 Levent Senturk
 Lora Shahine
 Fady Sharara
 Shehua Shen
 Paul Shin
 Yimin Shu
 Sony Sierra

Mark Sigman
 Elena Silva
 Carlos Simón
 Joe Leigh Simpson
 Sadhna Singh
 Malgorzata Skaznik-Wikiel
 James Smith
 Victoria Snegovskikh
 Meredith Snook
 Anna Sokalska
 Irene Souter
 Steven Spandorfer
 Amy Sparks
 Jessica Spencer
 Rajesh Srivastava
 Serene Srouji
 James Stachecki
 Laurel Stadtmayer
 Aleksandar Stanic-Kostic
 Michelle Strecker
 H. Su
 Jason Swain
 Margaret Swain
 Reshef Tal
 Lei Tan
 Cigdem Tanrikut
 Hugh Taylor
 Tyl Taylor
 Nannan Thirumavalavan
 Saioa Torrealday
 Ellen Tougias
 Kaylon Tran
 Ilan Tur-Kaspa
 Hanna Valli-Pulaski
 Debbie Venier
 Barry Verkauf
 Matthew VerMilyea
 Sarah Vij
 Wendy Vitek
 Elizabeth Weedin
 Rachel Weirnerman
 Blake Welch
 Dagan Wells
 Joris Wermesch
 Lynn Westphal
 Christine Whitehead
 Kelly Lee Whiteside
 Halina Wiczzyk
 Robert Wild
 Kelly Wirka
 Lauren Wise
 Julia Woodward
 Diane Wright
 Kangpu Xu
 Belinda Yaeger

John Yeh
 Erin Yontz
 Steven Young
 Abdelmoneim Younis
 Liang Yu
 A. Musa Zamah
 Mary Zelinski
 John Xingqi Zhang
 Shu Zhou
 Julianne Zweifel

ORAL ABSTRACTS

Saturday, October 17, 2020

ORAL ABSTRACT SESSIONS DAY 1

OD1-01 2020 SCIENTIFIC CONGRESS PRIZE PAPER SESSION 1

10:55 AM **O-1** **LIBERTY: LONG-TERM EXTENSION STUDY DEMONSTRATING ONE-YEAR EFFICACY AND SAFETY OF RELUGOLIX COMBINATION THERAPY IN WOMEN WITH SYMPTOMATIC UTERINE FIBROIDS.** Ayman Al-Hendy, MD, PhD¹, Andrea S Lukes, MD, MHSc², Alfred Poindexter III, MD³, Roberta Venturella, MD PhD⁴, Claudio Villarroel, MD⁵, Rachel B Wagman, MD⁶, Yulan Li, PhD⁶, Laura McKain, MD⁶ and Elizabeth A Stewart, MD⁷, ¹Department of Surgery, University of Illinois at Chicago, Chicago, IL, ²Carolina Women's Research and Wellness Center, Durham, NC, ³Baylor College of Medicine and St. Luke's Episcopal Hospital, Houston, TX, ⁴Magna Graecia University of Catanzaro, Catanzaro, Italy, ⁵Institute for Mother and Child Research (IDIMI), Faculty of Medicine, University of Chile, Santiago, Chile, ⁶Myovant Sciences, Inc., Brisbane, CA, ⁷Mayo Clinic Department of OB/GYN, Reproductive Endocrinology and Infertility, Rochester, MN

10:10 AM **O-2** **AMH HIGHLY CORRELATES WITH ASSISTED REPRODUCTION CUMULATIVE LIVE BIRTH RATE IN WOMEN WITH DIMINISHED OVARIAN RESERVE INDEPENDENT OF AGE: AN ANALYSIS OF 34,540 CYCLES FROM THE SART DATABASE FOR 2014-2016.** Reshef Tal, MD, PhD¹, David B. Seifer, MD², Renana Tal, MBA, Emily Granger, BS¹ and Oded Tal, PhD⁴, ¹Yale School of Medicine, New Haven, CT, ²Yale University, Orange, CT, ³Conestoga College, Kitchener, ON, Canada

10:25 AM **O-3**

NEW INSIGHTS FROM ONE THOUSAND MOSAIC EMBRYO TRANSFERS: FEATURES OF MOSAICISM DICTATING RATES OF IMPLANTATION, SPONTANEOUS ABORTION, AND NEONATE HEALTH. Manuel Viotti, PhD¹, Andrea Victor, MS², Frank Barnes, PhD¹, Christo Zouves, MD², Andria G Besser, MS, CGC³, James A Grifo, MD, PhD⁴, En-Hui Cheng, PhD⁵, Maw-Sheng Lee, MD, PhD⁵, Pin-Yao Lin, MD⁶, Laura Corti, MSc⁷, Francesco Fiorentino, PhD⁸, Francesca Spinella, PhD⁹, Maria Giulia Minasi, MSc¹⁰, Ermanno Greco, MD¹⁰ and Santiago Munné, PhD¹¹, ¹Zouves Foundation for Reproductive Medicine, Foster City, CA, ²Zouves Fertility Center, Foster City, CA, ³New York University Langone Fertility Center, New York, NY, ⁴NYU Langone School of Medicine, New York, NY, ⁵Lee Women's Hospital, Taichung, Taiwan, ⁶Chung Shan Medical University, Taichung, Taiwan, Taichung, Taiwan, ⁷San Raffaele Scientific Institute, Milan, Italy, ⁸GENOMA Group, Rome, Italy, ⁹Genoma Group, Rome, Italy, ¹⁰European Hospital, Rome, Italy, ¹¹Overture Life, Madrid, Spain

10:40 AM **O-4**

WHAT IS THE OPTIMAL TIMING OF INTRACYTOPLASMIC SPERM INJECTION (ICSI) AFTER EGG RETRIEVAL? A RANDOMIZED CONTROLLED TRIAL Meghan Brooke Smith, MD, Jacqueline Ho, MD MS, Victoria Cortessis, PhD, Irene J Chen, MS, Kristin A Bendikson, MD, Richard J Paulson, MD, Lynda K McGinnis, PhD and Ali Ahmady, PhD, University of Southern California, Los Angeles, CA

ORAL ABSTRACTS

- 10:55 AM **O-5** **NONINVASIVE PREIMPLANTATION GENETIC TESTING FOR ANEUPLOIDY EXHIBITS HIGH RATES OF DNA AMPLIFICATION FAILURE AND LACKS CONSISTENCY WITH PGT-A USING TROPHOECTODERM BIOPSY.** Brent M Hanson, MD¹, Xin Tao, Ph.D.², Julia G Kim, MD, MPH¹, Nola S Herlihy, MD³, Amber M Klimczak, MD³, Ashley W Tiegs, MD¹, Emily K Osman, MD¹, Kathleen Hong, MD³, Emre Seli, M.D.¹ and Richard Thomas Scott Jr., MD¹, ¹IVI RMA New Jersey, Basking Ridge, NJ, ²Foundation for Embryonic Competence, Basking Ridge, NJ, ³IVI-RMA New Jersey, Basking Ridge, NJ
- 11:10 AM **O-6** **ASSOCIATIONS BETWEEN POLYCYSTIC OVARY SYNDROME AND ADVERSE OBSTETRICAL, AND NEONATAL OUTCOMES: A POPULATION STUDY OF 9.1 MILLION BIRTHS** Ginevra Mills, MD, FRCSC¹, Ahmad Badeghiesh, MD¹, Eva Suarthana, MD¹, Haitham Baghlaf, MD, MPH¹ and Michael H. Dahan, M.D.², ¹McGill University, Montreal, QC, Canada, ²Division of Reproductive Endocrinology and Infertility, McGill University Health Care Center, Montreal, QC, Canada
- OD1-02 ACCESS TO CARE**
- 9:55 AM **O-7** **FRONTERAS Y FERTILIDAD: INSIGHTS ON LATINX INFERTILITY AND ACCESS TO CARE FROM THE ENVIRONMENT, LEIOMYOMAS, LATINAS, AND ADIPOSITY STUDY (ELLAS).** Nicholas S Raja, MD¹, Anne Waldo, MS¹, Torie C. Plowden, MD, MPH², Lia Bernardi, MD³, Sonia Acosta, PhD⁴, Charo C Ledon, NA⁵, Anita Malone, MD¹ and Erica E. Marsh, MD, MSCI, FACOG¹, ¹University of Michigan, Ann Arbor, MI, ²Womack Army Medical Center, Fort Bragg, NC, ³Northwestern University, Chicago, IL, ⁴Centro Multicultural la Familia, Pontiac, MI, ⁵Buenos Vecinos, Ann Arbor, MI
- 10:10 AM **O-8** **JOURNEY LEVEL ANALYSIS OF PROGRESSION TO TREATMENT VERSUS DROP OUT IN A LARGE COHORT OF PATIENTS WITH ACCESS TO A DEFINED FERTILITY BENEFIT.** Yishin Yang, BA¹, Melody Qiu, MSc¹, Aly Emiola, BA¹, Dmitry Gounko, MA², Joseph A. Lee, BA² and Alan B Copperman, MD³, ¹Progyny, Inc., New York, NY, ²Reproductive Medicine Associates of New York, New York, NY, ³Icahn School of Medicine at Mount Sinai, New York, NY
- 10:25 AM **O-9** **ASSOCIATION BETWEEN DEMAND FOR FERTILITY SERVICES AND CHANGES IN UNEMPLOYMENT RATE IN THE UNITED STATES.** Leslie B Ramirez, PhD¹, Alexis Adler, BS¹, Bat-Sheva L Maslow, MD, MSCTR¹, Joshua U Klein, MD¹ and Urbano L Franca, PhD², ¹Extend Fertility, New York, NY, ²Boston Children's Hospital / Harvard Medical School, Boston, MA
- 10:40 AM **O-10** **ANALYSIS OF STATE MANDATED INSURANCE COVERAGE FOR INFERTILITY TREATMENT AND FERTILITY PRESERVATION IN THE UNITED STATES.** Benjamin J Peipert, MD¹, Shelun Tsai, MD¹, Melissa N Montoya, MD, MA¹, Ryan C Ferrante, JD² and Tarun Jain, MD³, ¹Duke University Medical Center, Durham, NC, ²The Law Office of Ryan C. Ferrante, Chicago, IL, ³Northwestern University, Chicago, IL
- 10:55 AM **O-11** **DOES SOCIOECONOMIC STATUS PLAY A ROLE IN LONG-TERM REPRODUCTIVE OUTCOMES IN INFERTILE COUPLES? FOLLOW-UP RESULTS FROM THE FAST TRACK AND STANDARD TREATMENT TRIAL (FASTT).** Carleigh B. Nesbit, DO¹, Marlene B. Goldman, ScD², June L. Fung, PhD², Katherine G. Koniars, MD³, Denis A. Vaughan, MD⁴, Thomas L. Toth, MD⁵ and Richard H. Reindollar, MD², ¹Dartmouth Hitchcock Medical Center, Lebanon, NH, ²Geisel School of Medicine at Dartmouth, Hanover, NH, ³Tufts Medical Center, Boston, MA, ⁴Beth Israel Deaconess Medical Center, Boston, MA, ⁵Boston IVF, Waltham, MA

ORAL ABSTRACTS

11:10 AM **O-12** **PATIENT BARRIERS TO DISCONTINUING LONG ACTING REVERSIBLE CONTRACEPTION.** Kacie R Fox, MD, Alyssa M Kameoka, BA, Bliss Kaneshiro, MD, MPH, Shandhini Raidoo, MD, MPH, Reni Soon, MD, MPH and Tiana Fontanilla, MPH, University of Hawaii, Honolulu, HI

OD1-03 ART LAB: BASIC

9:55 AM **O-13** **A NOVEL NON-INVASIVE METABOLOMICS APPROACH TO SCREEN EMBRYOS FOR ANEUPLOIDY.** Sara Cabello-Pinedo, Biotechnologist¹, Hussain A.N. Abdulla, Ph.D.², Michelle Louise Seth-Smith, Master¹, Maria Escriba, MSc³, Juana Crespo, Medical Director³, Santiago Munne, PhD⁴ and Jose A Horcajadas, PhD⁴, ¹Overture Life, Alcobendas - Madrid, Spain, ²Texas A&M University Corpus Christi, Corpus Christi, TX, ³Equipo Juana Crespo, Valencia, Spain, ⁴Overture Life, Madrid, Spain

10:10 AM **O-14** **MATHEMATICALLY ADJUSTING FOR EMBRYO SIZE IMPROVES THE ACCURACY OF A SPECIFIC GRAVITY DEVICE IN PREDICTING EMBRYO SEX.** Samuel D Prien, PhD¹ and Lindsay L Penrose, PhD², ¹Texas Tech University Health Sciences Center AND Texas Tech University, Lubbock, TX, ²Texas Tech University Health Sciences Center, Lubbock, TX

10:25 AM **O-15** **EMBRYO DEVELOPMENT ON DAY 7 BY CULTURE MEDIA EXPOSURE: A PROSPECTIVE TRIAL.** Iris Insogna, MD, MBE, Andrea Lanes, PhD, Elizabeth S Ginsburg, MD and Catherine Racowsky, PhD, Brigham and Women's Hospital, Boston, MA

10:40 AM **O-16** **INTRACYTOPLASMIC SPERM INJECTION (ICSI) DOES NOT PROVIDE ANY BENEFIT OVER IN VITRO FERTILIZATION (IVF) ON PLOIDY RATES IN NON-MALE FACTOR INFERTILITY CYCLES UNDERGOING PRE-IMPLANTATION GENETIC TESTING FOR ANEUPLOIDY (PGT-A).** Jessica

N Tozour, MD, PhD, Alyson Brady, MS, Meredith Akerman, MS, Alicia J Arnott, BS, Linda Sung, MD and Rani Fritz, DO, PhD, NYU Winthrop Hospital, Mineola, NY

10:55 AM **O-17** **REDUCING THE STRESS OF CULTURE? LOW LACTATE EMBRYO CULTURE MEDIUM INCREASES USABLE BLASTOCYST RATE FOR WOMEN OF ADVANCED MATERNAL AGE.** Elizabeth R Hammond, PhD and Dean E Morbeck, Ph.D., M.B.A., Fertility Associates, Auckland, New Zealand

11:10 AM **O-18** **IS mtDNA CONTENT ASSESSMENT AN INDICATOR OF THE AMOUNT OF MITOCHONDRIA (TOTAL AND ACTIVE ONES) IN THE HUMAN BLASTOCYST?: A CONFOCAL MICROSCOPY APPROACH.** Marta Pérez, PhD student¹, Amparo Mercader, PhD², Amparo Mifsud, PhD², Diana Beltrán, Master², Carmen Vidal, M.D., Ph.D.², Elena Labarta, MD PhD³, Antonio Pellicer, MD⁴ and M^a José de los Santos, PhD², ¹IVI foundation, Valencia, Spain, ²VIRMA Valencia, Valencia, Spain, ³IVI-RMA, Valencia, Spain, ⁴IVI Foundation Innovation, Valencia, Spain

OD1-04 REPRODUCTIVE ENDOCRINOLOGY

9:55 AM **O-19** **MENSTRUAL CYCLE CHARACTERISTICS THROUGHOUT THE LIFE COURSE IN RELATION TO CANCER RISK.** Siwen Wang, BS¹, Janet Rich-Edwards, PhD², Edward Giovannucci, MD, Sc.D.³ and Jorge E Chavarro, MD, Sc.D.¹, ¹Harvard School of Public Health, Boston, MA, ²Brigham and Women's Hospital, Boston, MA, ³Harvard T.H. Chan School of Public Health, Boston, MA

10:10 AM **O-20** **LOWER SERUM FSH LEVELS IN RESPONSE TO IV RECOMBINANT FSH IN OBESE WOMEN IS NOT EXPLAINED BY GnRH ANTAGONIST (CETRORELIX) PHARMACODYNAMICS.** Katherine Kuhn, MS¹, Thanh Ha Luu, MD¹, Andrew P Bradford, PhD¹, Luke

ORAL ABSTRACTS

- 10:25 AM **O-21** **THE PHARMACOKINETICS OF FOLLICLE STIMULATING HORMONE IN WOMEN WITH POLYCYSTIC OVARY SYNDROME AND MATCHED CONTROLS ACROSS A WIDE BMI SPECTRUM.** Malinda S Lee, MD, MBA¹, Andrea Lanes, PhD¹, Andrey V Dolinko, MD², Alexandra Bailin, MD³ and Elizabeth S Ginsburg, MD¹, ¹Brigham and Women's Hospital, Boston, MA, ²Women and Infants Hospital and Warren Alpert Medical School of Brown University, Providence, RI, ³Children's Hospital Los Angeles, Los Angeles, CA
- 10:40 AM **O-22** **LETROZOLE "STAIR-STEP" PROTOCOL VERSUS TRADITIONAL PROTOCOL IN PATIENTS WITH POLYCYSTIC OVARY SYNDROME.** Anna Claire Reynolds, M.D.¹, Heather R Burks, MD¹, Sarah Z. Gavrizi, MD² and Katherine Boecking, B.S.¹, ¹University of Oklahoma Health Sciences Center, Department of Obstetrics and Gynecology, Oklahoma City, OK, ²University of Oklahoma Health Sciences Center, Oklahoma City, OK
- 10:55 AM **O-23** **HIGH LIVE BIRTH RATES WITH LOW MULTIPLE BIRTH RATES: OVER TWO DECADES' EXPERIENCE OF PULSATILE GnRH PUMP USE FOR OVULATION INDUCTION IN PATIENTS WITH FUNCTIONAL HYPOTHALAMIC AMENORRHEA (FHA).** Philipp Quaas, MD¹, Alexander M. Quaas, MD, PhD², Manuel Fischer, PhD¹ and Christian De Geyter, MD¹, ¹University Hospital Basel, Basel, Switzerland, ²University of California San Diego, San Diego, CA
- 11:10 AM **O-24** **POSITIVE EFFECTS OF THYROID REPLACEMENT THERAPY ON ART OUTCOMES IN WOMEN WITH SUBCLINICAL HYPOTHYROIDISM WITH TPO⁺VE ANTIBODIES.** Maria Bustillo, M.D.¹, Ineabelle Collazo, BS², Katherine L Palmerola, BS, MD², Sabrina A. Gerkowicz, MD², Juergen Eisermann, M.D.¹, Nicholas Hendon, BS² and Himanshu Arora, PhD³, ¹IVFMD, South Florida Institute for Reproductive Medicine, MIAMI, FL, ²IVFMD, South Florida Institute for Reproductive Medicine, Miami, FL, ³University of Miami Miller School of Medicine, Miami, FL
- OD1-05 CONTRACEPTION AND COMPLEX FAMILY PLANNING**
- 9:55 AM **O-25** **POLIDOCANOL/DOXYCYCLINE FOAM FOR NONSURGICAL PERMANENT FEMALE CONTRACEPTION BABOON CONTRACEPTION STUDY: 18 MONTH DATA.** Jeffrey T Jensen, MD, MPH¹, Carol B Hanna, Ph.D.², Shan Yao, M.D.³, Philberta Y Leung, Ph.D.³, Nicholas M Kiulia, MS⁴ and Ov D Slayden, PhD⁵, ¹Oregon Health & Science University, Portland, OR, ²Oregon National Primate Research Center, Beaverton, OR, ³Oregon National Primate Research Center, BEAVERTON, OR, ⁴Department of Reproductive Health and Biology, Institute of Primate Research, Nairobi, Kenya, ⁵Professor, Beaverton, OR
- 10:10 AM **O-26** **BLEEDING PATTERNS FROM MONTHS 60 TO 72 WITH USE OF A LEVONORGESTREL 52 MG INTRAUTERINE SYSTEM.** Jeffrey T Jensen, MD, MPH¹, Bruce R Carr, MD², Thomas D Kimble, MD³, Michael A. Thomas, MD⁴, Andrea I Olariu, MD, PhD⁵ and Mitchell D Creinin, MD⁶, ¹Oregon Health & Science University, Portland, OR, ²UT Southwestern Medical Center, Dallas, TX, ³Eastern Virginia Medical School, Norfolk, VA, ⁴University of Cincinnati, Cincinnati, OH,

ORAL ABSTRACTS

⁵Medicines360, San Francisco, CA, ⁶University of California, Davis, Sacramento, CA

Angeles, CA, ¹¹Bayer AG, Wuppertal, Germany, ¹²None, Richboro, PA, ¹³Bayer AG, Berlin, Germany

10:25 AM **O-27** **COMPARING THE CARDIOVASCULAR RISK OF NORETHINDRONE ACETATE- AND LEVONORGESTREL-CONTAINING ORAL CONTRACEPTIVES: IS THERE A DIFFERENCE?** Clare Barnett, MBBS (Hons), MPH, Sophia von Stockum, PhD, Anja Bauerfeind, PhD and Klaas Heinemann, MD, PhD, MBA, ZEG Berlin GmbH, Berlin, Germany

10:40 AM **O-28** **DURATION OF CONTRACEPTIVE USE IS NOT ASSOCIATED WITH AMH LEVELS.** Sharon Briggs, PhD, Talia Shirazi, MA and Avner Hershlag, MD, Modern Fertility, San Francisco, CA

10:55 AM **O-29** **MENORRHAGIA AND RISK OF INTRAUTERINE DEVICE (IUD) EXPULSION AND UTERINE PERFORATION: RESULTS FROM THE APEX IUD STUDY.** Susan D. Reed, MD, MPH, MS¹, Catherine W Saltus, MPH, MA², Darios Getahun, MD, MPH, PhD³, Juliane Schoendorf, MD⁴, Mary Anne Armstrong, MA⁵, Jeffrey F Peipert, MD, PhD⁶, Tina R Raine-Bennett, MD, MPH⁵, Mary E Ritchey, PhD⁷, Laura E Ichikawa, MS⁸, Xiaolei Zhou, PhD⁹, Michael J Fassett, MD¹⁰, Amy Alabaster, MPH, MS⁵, Fagen Xie, PhD³, Maqdooda Merchant, MSc, MA⁵, Vicki Y Chiu, MS³, Jiaxiao M Shi, PhD³, Ann-Kathrin Frenz, MSc¹¹, Theresa M Im, MPH³, Harpreet S Takhar, MPH³, Richard Lynen, MD¹², Alex Asimwe, PhD¹³ and Mary S Anthony, PhD⁹, ¹University of Washington Seattle, Seattle, WA, ²RTI Health Solutions, Waltham, MA, ³Kaiser Permanente Southern California, Pasadena, CA, ⁴Bayer OY, Espoo, Finland, ⁵Kaiser Permanente Northern California, Oakland, CA, ⁶Indiana University, Indianapolis, IN, ⁷Med Tech Epi, LLC, Philadelphia, PA, ⁸Kaiser Permanente Washington, Seattle, WA, ⁹RTI Health Solutions, Research Triangle Park, NC, ¹⁰Kaiser Permanente Southern California, Los

11:10 AM **O-30** **SEXUAL SATISFACTION WITH A VAGINAL pH REGULATOR (EVO100): RESULTS FROM THE AMPREVENCE CLINICAL TRIAL.** Michael A. Thomas, MD¹, Kelly R. Culwell, MD, MPH², Scott G Mollan, MS, MBA³ and Brandon Howard, PhD², ¹University of Cincinnati, Cincinnati, OH, ²Evofem Biosciences, Inc., San Diego, CA, ³ICON Clinical Research LLC, Durham, NC

OD1-06 2020 SCIENTIFIC CONGRESS PRIZE PAPER SESSION 2

2:00 PM **O-31** **FRESH EMBRYO TRANSFER FOLLOWING IN VITRO INSEMINATION OF FRESH VERSUS CRYOPRESERVED ANONYMOUS DONOR OOCYTES- WHICH HAS A BETTER LIVE BIRTH RATE? A SART CORS ANALYSIS** Rachel M. Whynott, M.D.¹, Karen M Summers, MPH CHES², G David Ball, PhD³, Bradley J Van Voorhis, MD² and Amy E Sparks, PhD⁴, ¹University of Iowa Hospitals and Clinics, Iowa City, IA, ²University of Iowa, Iowa City, IA, ³Seattle Reproductive Medicine Center, Seattle, WA, ⁴University of Iowa Center for Advanced Reproductive Care, Iowa City, IA

2:15 PM **O-32** **STATE-MANDATED INSURANCE AND PREIMPLANTATION GENETIC TESTING (PGT) INDICATION IN THE UNITED STATES.** Bronwyn S Bedrick, MD, MSCI¹, Andrew D. Tipping, MA², Katelin B Nickel, MPH³, Joan Riley, PhD, HCLD⁴, Tarun Jain, MD⁵ and Emily S Jungheim, MD, MSCI⁶, ¹Johns Hopkins University, Baltimore, MD, ²Center for Administrative Data Research, St. Louis, MO, ³Washington University School of Medicine, St. Louis, MO, ⁴Washington University School of Medicine, St. Louis, MO, ⁵Northwestern University, Chicago, IL, ⁶Northwestern Feinberg School of Medicine, Chicago, IL

ORAL ABSTRACTS

- 2:30 PM **O-33 PULSATILE GONADOTROPIN RELEASING HORMONE (GnRH) VIA SUBCUTANEOUS PUMP FOR THE TREATMENT OF PRIMARY AMENORRHEA ASSOCIATED WITH HYPOGONADOTROPIC HYPOGONADISM.** James H Liu, M.D.¹, Masakazu Ando, PhD² and Patrick W Heiser, PhD², ¹UH MacDonald Women's Hospital, Cleveland, OH, ²Ferring Pharmaceuticals, Inc, Parsippany, NJ
- 2:45 PM **O-34 SELF-CORRECTION OF MOSAICISM IN HUMAN SELF-ORGANIZING GASTRULOIDS AS POTENTIAL EXPLANATION FOR NORMAL BIRTHS AFTER TRANSFER OF CHROMOSOMAL-ABNORMAL EMBRYOS.** Min Yang, PHD¹, Tiago Rito, PhD¹, Jeffrey Naftaly, BA¹, Jianjun Hu, MD², David F Albertini, PhD, MS², David H Barad, MD, MS², Ali H Brivanlou, PhD¹ and Norbert Gleicher, MD³, ¹Rockefeller University, New York, NY, ²Center for Human Reproduction, New York, NY, ³Center for Human Reproduction, Foundation for Reproductive Medicine, Rockefeller University, Medical University Vienna, New York, NY
- 3:00 PM **O-35 RISK OF CARDIOVASCULAR DISEASE AFTER MENOPAUSE AMONG WOMEN WITH POLYCYSTIC OVARY SYNDROME (PCOS).** Jacob Christ, MD¹ and Genevieve S. Neal-Perry, M.D., Ph.D.², ¹University of Washington, Seattle, WA, ²University of North Carolina, Chapel Hill, NC
- 3:15 PM **O-36 PRIMARY OVARIAN INSUFFICIENCY HAS STRONG HERITABILITY, EVEN AMONG DISTANT RELATIVES; RESULTS OF A MULTIGENERATIONAL GENEALOGICAL OBSERVATIONAL STUDY.** Lauren Elizabeth Verrilli, MD, Erica Johnstone, MD, Corrine K Welt, MD and Kristina Allen-Brady, Ph.D., MSPH, University of Utah, Salt Lake City, UT
- OD1-07 ENVIRONMENT AND REPRODUCTION**
- 2:00 PM **O-37 URINARY PHTHALATE METABOLITE CONCENTRATIONS ARE INVERSELY ASSOCIATED WITH FOLLICULAR FLUID ANTI-MÜLLERIAN HORMONE CONCENTRATIONS IN WOMEN UNDERGOING FERTILITY TREATMENT.** Caitlin R Sacha, MD¹, Irene Souter, MD¹, Jorge E Chavarro, MD, Sc.D.², Jennifer B Ford, RN², Paige L Williams, PhD², Shruthi Mahalingaiah, M.D.², Patricia K Donahoe, MD³, Russ Hauser, MD, MPH, Sc.D.², David Pépin, PhD³ and Lidia Mínguez-Alarcón, PhD², ¹MGH Fertility Center, Harvard Medical School, Boston, MA, ²Harvard T.H. Chan School of Public Health, Boston, MA, ³MGH Pediatric Surgical Research Laboratories, Boston, MA
- 2:15 PM **O-38 POLY AROMATIC HYDROCARBONS (PAHS) IN SEMEN OF INFERTILE MEN REVEAL DISTINCT SIGNATURES OF OXIDATIVE STRESS AND PROTEIN TRAFFICKING AS MODULATORS OF SPERM FUNCTION: A PROTEOMIC INSIGHT THROUGH SEMINAL EXTRACELLULAR VESICLES.** Soumya Ranjan Jena, M.Phil¹, Luna Samanta, Ph.D² and Smriti Sanchita, B.S.³, ¹Redox Biology Laboratory, Center of Excellence in Environment and Public Health, Ravenshaw University, Cuttack-753003, India, Cuttack, India, ²Redox Biology Laboratory, Department of Zoology, Ravenshaw University, Cuttack, Odisha, India, ³UCLA, Los Angeles, CA, India
- 2:30 PM **O-39 REDUCED OOCYTE QUALITY JUSTIFIES POOR ICSI OUTCOMES AMONG SMOKERS AND SUGAR CONSUMERS.** Gabriela Halpern, MSc¹, Amanda Souza Setti, MSc², Daniela Paes de Almeida Ferreira Braga, PhD², Assumpto Iaconelli Jr., MD² and Edson Borges Jr., PhD², ¹Fertility Medical Group, São Paulo, Brazil, ²Fertility Medical Group / Sapientiae Institute, Sao Paulo, Brazil

ORAL ABSTRACTS

- 2:45 PM **O-40** **INFERTILITY AND ENVIRONMENTAL, CHEMICAL, AND HAZARDOUS EXPOSURES AMONG UNITED STATES VETERANS.** Abigail C Mancuso, MD¹, Andrea Holcombe, MS, PhD², Michelle A Mengeling, MS, PhD² and Ginny L Ryan, MD, MA³, ¹University of Iowa Hospitals and Clinics, Iowa City, IA, ²Iowa City VA Health Care System, Iowa City, IA, ³University of Iowa Carver College of Medicine, Iowa City, IA
- 3:00 PM **O-41** **UNIVERSAL SEVERE ACUTE RESPIRATORY SYNDROME CORONAVIRUS 2 (SARS-COV-2) TESTING IN A NEW YORK CITY REPRODUCTIVE MEDICINE PRACTICE.** Pietro Bortoletto, MD, Phillip A Romanski, MD, Joshua Stewart, M.D., Glenn Schattman, MD and Zev Rosenwaks, M.D., The Ronald O. Perelman and Claudia Cohen Center for Reproductive Medicine, Weill Cornell Medicine, New York, NY
- 3:15 PM **O-42** **EFFECT OF THE EXPOSURE TO FINE INHALABLE PARTICULATE MATTER (PM2.5) ON SPERM FUNCTIONAL QUALITY OF MICE.** Paula Intasqui, PhD¹, Leticia Kaory Tamashiro, BSc.¹, Victor Yuji Yariwake, BSc.², Rosana Xavier Souza, BSc.¹, Camila Matie Kanashiro, BSc.¹ and Mariana Matera Veras, PhD², ¹Sao Paulo Federal University, São Paulo, Brazil, ²Laboratory of Experimental Air Pollution (LIM05), São Paulo, Brazil
- 2:30 PM **O-45** **EMBRYO TRANSFER BASED ON PREIMPLANTATION GENETIC TESTING: A CRITICAL ASSESSMENT OF CURRENT PRACTICE AND POLICY GUIDELINES.** Christina Ren, BS¹, Andria G Besser, MS, CGC², Jon Weil, PhD¹, Rachel Hull, BS³ and Janey Youngblom, PhD, MS¹, ¹California State University, Stanislaus, Turlock, CA, ²New York University Langone Fertility Center, New York, NY, ³University of California, Davis, Davis, CA
- 2:45 PM **O-46** **GENETIC SCREENING IN REPRODUCTIVE AGE WOMEN IDENTIFIES A HIGH POSITIVE RATE OF ACTIONABLE RESULTS.** Sienna Aguilar, MS, CGC¹, Eden Haverfield, DPhil, FACMG¹, Edward Esplin, MD, PhD, FACMG¹, Robert L Nussbaum, MD² and Swaroop Aradhya, PhD, FACMG¹, ¹Invitae, San Francisco, CA, ²1400 16th Street, San Francisco, CA
- 3:00 PM **O-47** **PATIENT EXPERIENCE WITH EXPANDED-CARRIER SCREENING: ADEQUACY OF PROVIDER COUNSELING, ECONOMIC BURDEN AND DECISION-MAKING REGARDING PARTNER TESTING.** Alice J Shapiro, M.D. and Molly M Quinn, MD, David Geffen School of Medicine, University of California, Los Angeles, Los Angeles, CA

OD1-08 GENETIC COUNSELING

- 2:00 PM **O-43** **EXPERIENCE WITH CARRIER SCREENING FOR X-LINKED CONDITIONS.** Dana Neitzel, MS, CGC, Jocelyn Leahey, MS, CGC, Sienna Aguilar, MS, CGC, Nicole Faulkner, PhD, FACMG and Swaroop Aradhya, PhD, FACMG, Invitae, San Francisco, CA
- 2:15 PM **O-44** **FAVORABLE OUTCOMES IN A SUBSEQUENT PGT-A CYCLE FOLLOWING ALL ANEUPLOID BLASTOCYST COHORT.** Alyssa Schickedanz, M.S., C.G.C., Diane Klepacka, MS, Annette Matts, MS, Amy Bartoli, MS, Emily Anderson, BS, Mary E Haywood, PhD, William B Schoolcraft, MD and Mandy G Katz-Jaffe, PhD, Colorado Center for Reproductive Medicine, Lone Tree, CO
- 3:15 PM **O-48** **EGG DONORS ARE NOT GOLDEN: ABNORMAL RESULTS AFTER PREIMPLANTATION GENETIC TESTING FOR ANEUPLOIDY, PRODUCTS OF CONCEPTION ANALYSIS OR NONINVASIVE PRENATAL TESTING WITH USE OF SNP-BASED METHODOLOGIES.** Katherine L Howard, MS¹, Wendy DiNonno, MS¹, Melissa K Maisenbacher, M.S.² and Katrina Merrion, MS¹, ¹Natera, Inc., San Carlos, CA, ²Natera, San Carlos, CA

ORAL ABSTRACTS

OD1-09 INFERTILITY AND CANCER

2:00 PM **O-49** **DEVELOPMENT OF A NOVEL TECHNIQUE TO EDIT THE GENOME OF THE MALE GAMETE.** June Wang, B.A., Philip Xie, B.S., Zev Rosenwaks, M.D. and Gianpiero D. Palermo, M.D., Ph.D., The Ronald O. Perleman and Claudia Cohen Center for Reproductive Medicine, Weill Cornell Medicine, New York, NY

2:15 PM **O-50** **TOWARD TARGETING COUNSELING: ASSOCIATION BETWEEN CANCER TYPE AND ADVERSE PREGNANCY OUTCOMES.** Beth Zhou, MD¹, Milli Desai, MHS¹, Vinit Nalawade, MS¹, James D Murphy, MD¹, Brian W Whitcomb, PhD² and H. Irene Su, M.D., M.S.C.E.¹, ¹University of California San Diego, La Jolla, CA, ²University of Massachusetts, Amherst, Amherst, MA

2:30 PM **O-51** **SYSTEMATIC REVIEW OF REPRODUCTIVE OUTCOMES FOR WOMEN UNDERGOING FERTILITY-SPARING THERAPY WITH PROGESTIN AND METFORMIN FOR ATYPICAL ENDOMETRIAL HYPERPLASIA AND EARLY ENDOMETRIAL CANCER.** Jennifer Chae-Kim, MD¹, Gunjal Garg, MD¹, Larisa Gavrilova-Jordan, MD², Lindsay E Blake, MLIS, AHIP³, Tongil TI Kim, PhD⁴ and Clifford Cal Hayslip Jr., MD¹, ¹East Carolina University, Greenville, NC, ²Medical College of Georgia at Augusta University, Augusta, GA, ³University of Arkansas for Medical Sciences, Little Rock, AR, ⁴Emory University, Goizueta Business School, Atlanta, GA

2:45 PM **O-52** **OVARIAN RESERVE AND RESPONSE TO STIMULATION AMONG PATIENTS UNDERGOING FERTILITY PRESERVATION FOR CANCER (ONCOFERTILITY) COMPARED TO THOSE PATIENTS WITHOUT A CANCER DIAGNOSIS.** Devora Aharon, MD¹, Sydney Chang, MD¹, Dmitry Gounko, MA², Joseph A. Lee, BA², Alan B Copperman, MD¹ and Erkan Buyuk, MD¹, ¹Icahn School of Medicine at Mount Sinai, New

York, NY, ²Reproductive Medicine Associates of New York, New York, NY

3:00 PM **O-53** **IS FERTILITY PRESERVATION A PART OF COMPREHENSIVE CANCER CARE IN THE UNITED STATES?** Adriana Nicholson Vest, PhD, Nelson T Kuete, B.Sc. and Akanksha Mehta, M.D., M.S., Emory University School of Medicine, GA

3:15 PM **O-54** **ADVERSE PERINATAL OUTCOMES IN ADOLESCENT AND YOUNG ADULT CANCER SURVIVORS AND IMPACT OF ART.** Milli Desai, MHS¹, Beth Zhou, MD¹, Vinit Nalawade, MS¹, James Murphy, MD, MS¹, Brian W Whitcomb, PhD² and H. Irene Su, M.D., M.S.C.E.¹, ¹University of California San Diego, La Jolla, CA, ²University of Massachusetts, Amherst, Amherst, MA

OD1-10 MALE REPRODUCTION AND UROLOGY: TRAVELING SCHOLARS

2:00 PM **O-55** **THE PROVIDER LANDSCAPE OF MALE INFERTILITY CARE IN THE UNITED STATES.** Richard Jacob Fantus, MD¹, Cecilia Chang, MS², James Wren, MD³, Nelson E. Bennett Jr., MD³, Robert E. Brannigan, MD³ and Joshua A. Halpern, MD, MS³, ¹University of Chicago, Chicago, IL, ²NorthShore University HealthSystem, Evanston, IL, ³Northwestern University Feinberg School of Medicine, Chicago, IL

2:15 PM **O-56** **PERCEPTIONS OF INFERTILITY AND SEMEN ANALYSIS TESTING AMONG MEN WITHOUT CHILDREN.** Matthew Hudnall, MD, MPH, Mary Kate Keeter, MPH, James Wren, MD, Nelson E. Bennett Jr., MD, Robert E. Brannigan, MD and Joshua A. Halpern, MD, MS, Northwestern University, Feinberg School of Medicine, Chicago, IL

2:30 PM **O-57** **WALNUTS IMPROVE SEMEN QUALITY IN INFERTILE MEN: A RANDOMIZED CONTROL DIETARY INTERVENTION TRIAL.** John Michael Masterson, MD¹,

ORAL ABSTRACTS

Howard H Kim, MD¹ and Wendie A Robbins, PhD², ¹Cedars Sinai Medical Center, Los Angeles, CA, ²University of California Los Angeles, Los Angeles, CA

2:45 PM **O-58** **AN ANALYTICAL MODEL TO DEFINE THE PROBABILITY OF AZOOSPERMIA FROM SERUM FOLLICLE STIMULATING HORMONE.** Michael B Tradewell, MD, MS, Andrew Hany Rezk, BA, Elie Nwefo, MS, Emad Ibrahim, MD, HCLD(ABB) and Ranjith Ramasamy, M.D, University of Miami Miller School of Medicine, Miami, FL

3:00 PM **O-59** **CHANGES IN SEMEN ANALYSIS IN UNTREATED NON-AZOOSPERMIC PATIENTS OVER TIME: A TEMPORAL TREND ASSESSMENT OF 23 YEARS.** Nahid Punjani, MD MPH¹, Omar Al Hussein Alawamlh, MD¹, Soo Jeong Kim, MD², Carolyn A. Salter, MD³, Gal Wald, BA¹, Miriam Feliciano, BSc¹, Vanessa L Dudley, MSHS¹, Philip S. Li, M.D.⁴ and Marc Goldstein, M.D.⁵, ¹Weill Cornell Medicine, New York, NY, ²New York Presbyterian - Weill Cornell Medical Center, New York, NY, ³Memorial Sloan-Kettering Cancer Center, New York, NY, ⁴Weill Cornell Medical College, New York, NY, ⁵Center for Male Reproductive Medicine and Microsurgery, Weill Cornell Medicine, New York Presbyterian Hospital, New York, NY

3:15 PM **O-60** **VIDEO VISITS ALLOW FOR MANAGEMENT OF MALE INFERTILITY ACROSS A BROAD SPECTRUM OF DIAGNOSES.** Juan J Andino, MD, MBA, Alex Zhu, DO, Stephanie Daignault-Newton, MS, Chad Ellimoottil, MD, MS and James M Dupree IV, MD, MPH, Michigan Medicine, Ann Arbor, MI

ORAL ABSTRACTS

Sunday, October 18, 2020

ORAL ABSTRACT SESSIONS DAY 2

OD2-01 PATIENT EDUCATION AND SUPPORT

9:40 AM **O-61** **MILITARY SERVICE AND MEDICAL ASSOCIATIONS WITH INFERTILITY IN U.S. VETERANS** Ginny L Ryan, MD, MA¹, Marie E. Thoma, PhD, MHS², Andrea Holcombe, MS, PhD³, Anne Sadler, PhD, MS³, Bradley J Van Voorhis, MD⁴, Alicia Y Christy, MD⁵ and Michelle A Mengeling, MS, PhD³, ¹Center for Access and Delivery Research and Evaluation, Iowa City, IA, ²University of Maryland, College Park, MD, ³Iowa City VA Health Care System, Iowa City, IA, ⁴University of Iowa, Iowa City, IA, ⁵Veterans Administration, Kensington, MD

9:55 AM **O-62** **THE IMPACT OF AN INTERACTIVE E-LEARNING PLATFORM ON PATIENT COMPREHENSION REGARDING INFERTILITY TREATMENT: A RANDOMIZED CLINICAL TRIAL.** Ashley K Barbour, MPhys¹, Abigail L Bernard, MD², Jody L Madeira, Ph.D., J.D.³, Steven R. Lindheim, M.D.⁴ and Linnea R Goodman, MD², ¹Brody School of Medicine at East Carolina University, Greenville, NC, ²University of North Carolina, Raleigh, NC, ³Professor of Law, Bloomington, IN, ⁴Wright State University, Dayton, OH

10:10 AM **O-63** **READING LEVEL OF PATIENT EDUCATION MATERIAL ON INFERTILITY CLINIC WEBSITES IS ABOVE NATIONAL RECOMMENDATIONS.** Holly Mehr, MD MEd¹, Victoria Lee, BS¹, Tia Jackson-Bey, MD MPH², Christopher Herndon, MD³ and Molly M Quinn, MD¹, ¹University of California, Los Angeles, Los Angeles, CA, ²Reproductive Medicine Associates of New York, New York City, NY, ³University of Washington, Seattle, WA

10:25 AM **O-64** **WHAT DO WOMEN NEED TO KNOW**

TO MAKE INFORMED DECISIONS ABOUT FERTILITY PRESERVATION? A DELPHI ANALYSIS OF PROVIDER-RECOMMENDED KEY FACTS.

Sukhkamal Campbell, MD¹, Aubrie S. Hoffman, PhD², Robert Volk, PhD² and Terri L Woodard, M.D.², ¹Fellow, Baylor College of Medicine, Houston, TX, ²The University of Texas MD Anderson Cancer Center, Houston, TX

10:40 AM **O-65** **DESIRE FOR TWIN OR TRIPLET PREGNANCY IN INFERTILITY PATIENTS AND PATIENTS PRESENTING FOR PLANNED FERTILITY PRESERVATION (FP).**

Anne P. Hutchinson, M.D.¹, Rafael Confino, BS², Angela K. Lawson, Ph.D.³, Seth Barishansky, M.D.¹ and Mary Ellen Pavone, MD, MSCI¹, ¹Northwestern University Feinberg School of Medicine, Department of Obstetrics and Gynecology, Division of Reproductive Endocrinology and Infertility, Chicago, IL, ²Northwestern University Feinberg School of Medicine, Chicago, IL, ³Northwestern University Feinberg School of Medicine, Department of Obstetrics and Gynecology, Division of Reproductive Endocrinology and Infertility, Chicago, CA

10:55 AM **O-66** **OPTIMIZING PROVIDER AND PATIENT EXPERIENCE: AN ANALYSIS OF AN ONLINE TOOL FOR PREIMPLANTATION GENETIC TESTING (PGT) PRE-TEST EDUCATION.**

Stephanie Sehnert, B.A.¹, Sarah Yarnall, MSc¹, Syed U Abdul Aziz, B.S.¹, Paul C. Lin, M.D.², Maria Saketos, M.D.³ and Dina Nusblat, MS, CGC⁴, ¹EngagedMD, Washington DC, DC, ²Seattle Reproductive Medicine, Seattle, WA, ³NYU Langone Reproductive Specialists of New York, Mineola, NY, ⁴CooperGenomics, Livingston, NJ

ORAL ABSTRACTS

OD2-02 MALE FACTOR

9:40 AM **O-67** **INCREASED RISK FOR CONGENITAL MALFORMATIONS IN RELATIVES OF MEN WITH POOR SEMEN QUALITY: EVIDENCE FROM THE UTAH POPULATION DATABASE (UPDB).** Darshan P. Patel, MD¹, Joshua J Horns, PhD¹, Stevie Kinnear, BS², Heidi A Hanson, PHD, MS¹, Kelli X Gross, MD¹, Alexander W Pastuszak, MD, PhD¹, Ken R Smith, PhD³ and James Hotaling, MD⁴, ¹University of Utah Health, Salt Lake City, UT, ²Huntsman Cancer Institute, Salt Lake City, UT, ³University of Utah, Salt Lake City, UT, ⁴University of Utah School of Medicine Andrology and IVF Laboratories, Salt Lake City, UT

9:55 AM **O-68** **MALE INFERTILITY TESTING AND DIAGNOSES REMAIN INFREQUENT FOR INFERTILE COUPLES.** Jesse Benjamin Persily, BA¹, Sameer Thakker, BA¹, Paxton E Voigt, BA¹ and Bobby B Najari, MD MSc², ¹NYU Langone School of Medicine, New York, NY, ²New York University School of Medicine, New York, NY

10:10 AM **O-69** **ICSI OUTCOMES USING SPERMATOZOA WITH OPTIMAL GENOMIC INTEGRITY.** Alessandra Parrella, M.Sc., Danielle Rebecca Tavares, B.A., June Wang, B.A., Mounia Haddad, M.D., Philip Xie, B.S., Derek Keating, B.A., Zev Rosenwaks, M.D. and Gianpiero D. Palermo, M.D., Ph.D., The Ronald O. Perelman and Claudia Cohen Center for Reproductive Medicine, Weill Cornell Medicine, New York, NY

10:25 AM **O-70** **MALE FACTOR INFERTILITY AND PLACENTAL PATHOLOGY IN LIVE BIRTHS CONCEIVED WITH IN VITRO FERTILIZATION.** Roisin Ryan, MB BCH BAO¹, Caitlin R Sacha, MD², Kaitlyn E James, PhD³, Drucilla J Roberts, MD¹, Charles L Bormann, PhD³ and Irene Souter, MD², ¹Massachusetts General Hospital, Boston, MA, ²MGH Fertility Center, Harvard Medical

School, Boston, MA, ³Massachusetts General Hospital, Harvard Medical School, Boston, MA

10:40 AM **O-71** **RELATIONSHIP BETWEEN SEMEN PARAMETERS AND PATERNAL ORIGIN OF ANEUPLOIDY.** Marissa L Luck, MD¹, Dana B McQueen, MD, MAS¹, Rachel Ruderman, MD, MPH¹, Lydia Hughes, MD¹, Melissa K Maisenbacher, M.S.², Christina E Boots, MD, MSCI¹ and Eve C. Feinberg, M.D.¹, ¹Northwestern University, Chicago, IL, ²Natera, San Carlos, CA

10:55 AM **O-72** **THE RELATIONSHIP BETWEEN PATERNAL BODY MASS INDEX (BMI) AND PATERNAL ANEUPLOIDY RATES.** Lydia Hughes, MD¹, Dana B. McQueen, M.D., M.A.S.¹, Rachel Ruderman, MD, MPH¹, Marissa Luck, M.D.¹, Melissa K Maisenbacher, M.S.², Eve C. Feinberg, M.D.¹ and Christina E Boots, MD, MSCI¹, ¹Northwestern University, Chicago, IL, ²Natera, San Carlos, CA

OD2-03 PREIMPLANTATION GENETIC TESTING

9:40 AM **O-73** **A MULTI-CENTER, PROSPECTIVE, BLINDED, NON-SELECTION STUDY EVALUATING THE PREDICTIVE VALUE (PV) OF AN ANEUPLOID DIAGNOSIS WITH PGT-A AND THE IMPACT OF BIOPSY.** Ashley W Tiegs, MD¹, Xin Tao, Ph.D.², Yiping Zhan, Ph.D.³, Christine V Whitehead, BSN, RN⁴, Emre Seli, MD¹, George Patounakis, MD, PhD⁵, Jacqueline Gutmann, MD⁶, Arthur J Castelbaum, MD⁷, Thomas Kim, MD⁸, Chaim Jalas, N/A² and Richard Thomas Scott Jr., MD¹, ¹IVI RMA New Jersey, Basking Ridge, NJ, ²Foundation for Embryonic Competence, Basking Ridge, NJ, ³The Foundation for Embryonic Competence, Basking Ridge, NJ, ⁴IVI-RMA New Jersey, Basking Ridge, NJ, ⁵IVI-RMA, Florida, Lake Mary, FL, ⁶IVI-RMA, Philadelphia, Philadelphia, PA, ⁷IVI-RMA Philadelphia, Philadelphia, PA, ⁸IVI-RMA Southern California, Los Angeles, CA

ORAL ABSTRACTS

- 9:55 AM **O-74** **IDENTITY MARKER ANALYSIS DEMONSTRATES THAT MOST INITIAL AND RE-BIOPSY PAIRS ARE CONCORDANT.** Lauren Walters-Sen, PhD, FACMG, Dana Neitzel, MS, CGC, Sara L Bristow, PhD, Asia D Mitchell, PhD, Charlene A Alouf, PhD HCLD and Swaroop Aradhya, PhD, FACMG, Invitae, San Francisco, CA
- 10:10 AM **O-75** **DO WE STILL NEED TO DEPRIORITIZE THE TRANSFER OF 'LOW GRADE MOSAIC EMBRYOS'?** Tih Tan, MS¹, Luca Pagliardini, Bs², Xia Li, PHD³, Michel Chaires, MS³, Jennifer Lew, BS³, Paul Sinogaya, BS³, Bradford Kolb, MD, FACOG¹, Jeffrey R. Nelson, DO FACOG¹, John M Norian, MD FACOG¹, John Wilcox, MD, FACOG¹ and Patrizia Rubino, MS¹, ¹HRC Pasadena, Pasadena, CA, ²IRCCS San Raffaele Scientific Institute, Milano, Italy, ³Nexgenomics LLC, Pasadena, CA
- 10:25 AM **O-76** **IVF PGT-M VERSUS NATURAL CONCEPTION WITH PRENATAL DIAGNOSIS FOR HUNTINGTON'S DISEASE: A COST-EFFECTIVENESS ANALYSIS.** Alicia A. Christensen, B.A.¹, Alyssa R. Hersh, M.D., M.P.H.¹, Pamela B. Parker, M.D., M.P.H.¹, Aaron B. Caughey, M.D., Ph.D.¹ and Sacha A. Krieg, M.D., Ph.D.², ¹Oregon Health & Science University, Portland, OR, ²Oregon Health and Science University, Portland, OR
- 10:40 AM **O-77** **TRANSFER OUTCOMES OF EMBRYOS WITH PREIMPLANTATION GENETIC TESTING FOR ANEUPLOIDY (PGT-A) DIAGNOSES OF UNDETERMINED REPRODUCTIVE POTENTIAL: RESULTS FROM A PROSPECTIVE, BLINDED, MULTI-CENTER NON-SELECTION STUDY.** Ashley W Tiegs, MD¹, Xin Tao, Ph.D², Yiping Zhan, Ph.D³, Christine V Whitehead, BSN, RN⁴, Brent M Hanson, MD¹, Julia G Kim, MD, MPH¹, Emily K Osman, MD¹, Emre Seli, MD¹, George Patounakis, MD, PhD⁵, Jacqueline Gutmann, MD⁶, Arthur J Castelbaum, MD⁷, Thomas Kim, MD⁸, Chaim Jalas, N/A² and Richard Thomas Scott Jr., MD¹, ¹IVI RMA New Jersey, Basking Ridge, NJ, ²Foundation for Embryonic Competence, Basking Ridge, NJ, ³The Foundation for Embryonic Competence, Basking Ridge, NJ, ⁴IVI-RMA New Jersey, Basking Ridge, NJ, ⁵IVI-RMA, Florida, Lake Mary, FL, ⁶IVI-RMA, Philadelphia, Philadelphia, PA, ⁷IVI-RMA Philadelphia, Philadelphia, PA, ⁸IVI-RMA Southern California, Los Angeles, CA
- 10:55 AM **O-78** **SEGMENTAL ANEUPLOIDY RATES OBSERVED IN ~192,000 BLASTOCYSTS BY FAST-SEQS SUPPORT INCLUSION IN PGT-A ASSAYS.** Lauren Walters-Sen, PhD, FACMG, Dana Neitzel, MS, CGC, Sara L Bristow, PhD, Asia D Mitchell, PhD, Nicole Faulkner, PhD, FACMG and Swaroop Aradhya, PhD, FACMG, Invitae, San Francisco, CA
- OD2-04 REPRODUCTIVE BIOLOGY: HUMAN STUDIES**
- 9:40 AM **O-79** **INSULIN-LIKE GROWTH FACTOR 2 PROMOTES DEVELOPMENT AND FUNCTION OF MACAQUE PREANTRAL FOLLICLES DURING THREE-DIMENSIONAL CULTURE.** Shally N Wolf, B.S., Maralee Lawson, B.S., Olena Y. Tkachenko, Ph.D. and Jing Xu, Ph.D., Oregon Health & Science University, Beaverton, OR
- 9:55 AM **O-80** **LOSS OF EXPRESSION OF THE NONCODING RNA H19 PROMOTES SUSCEPTIBILITY TO GONADOTOXIN-INDUCED OVARIAN DNA DAMAGE.** Wang Jing, MD, PhD¹, Lu Pingping, PhD², Johnson Joshua, PhD³ and Amanda Nicole Kallen, MD⁴, ¹Beijing Friendship Hospital, Capital Medical University, Beijing, China, ²Women's Hospital, School of Medicine, Zhejiang University, Hangzhou, Hangzhou, China, ³University of Colorado Denver, Aurora, CO, ⁴Yale School of Medicine, New Haven, CT
- 10:10 AM **O-81** **NON-INVASIVE METABOLIC IMAGING OF CUMULUS CELLS TO DETECT OOCYTE MATURITY AND FERTILIZATION.**

ORAL ABSTRACTS

Marta Venturas, M.Sc.¹, Kishlay Kumar, PhD², Xingbo Yang, PhD³, Dagan Wells, Ph.D.⁴, Catherine Racowsky, PhD⁵ and Dan Needleman, Ph.D.³,
¹Universitat Autònoma de Barcelona, Cerdanyola, Spain, ²University of Oxford, Oxford, United Kingdom, ³Harvard University, Cambridge, MA, ⁴Juno Genetics, Oxford, United Kingdom, ⁵Brigham and Women's Hospital, Boston, MA

- 10:25 AM **O-82** **ENDOMETRIAL MITOCHONDRIAL DNA SECRETED IN EXTRACELLULAR VESICLES: A NOVEL MATERNAL MECHANISM MODULATING EMBRYO BIOENERGETICS.** David Bolumar Recuero, BSc MSc¹, Alicia Amadoz, PhD², Inmaculada Moreno, PhD¹, Carlos Marín, MSc¹, Antonio D Juan, PhD³, Carlos Simón, MD, PhD⁴ and Felipe Vilella, PhD⁵, ¹Igenomix Foundation / INCLIVA, Valencia, Paterna, Spain, ²Igenomix, Paterna, Spain, ³Ronda Narciso Monturiol, 11 B., Paterna, Spain, ⁴Igenomix Foundation, INCLIVA, Valencia, Spain; Department of Obstetrics and Gynecology, Valencia University, Valencia, Spain; Department of Obstetrics and Gynecology, BIDMC, Harvard University, Boston, MA- USA Boston, U.S.A., Valencia, Spain, ⁵Igenomix Foundation/INCLIVA, Valencia, Spain; Department of Obstetrics and Gynecology, BIDMC, Harvard University, Boston, MA- USA Boston, U.S.A., Paterna, Spain

- 10:40 AM **O-83** **ALTERED BLASTOCYST METHYLOME AND IMPRINTING DYSREGULATION ASSOCIATED WITH THE PROLONGED DISEASE STATE OF INFERTILITY.** Michelle M Denomme Tignanelli, PhD, Mary E Haywood, PhD, Blair R McCallie, BS, William B Schoolcraft, MD and Mandy G Katz-Jaffe, PhD, Colorado Center for Reproductive Medicine, Lone Tree, CO

- 10:55 AM **O-84** **GENE CONVERSION IN HUMAN EMBRYOS INDUCED BY GENE EDITING.** Nuria Marti-Gutierrez, PhD¹, Dan Liang, PhD¹, Tailai Chen,

PhD², Yeonmi Lee, PhD³, Hong Ma, PhD¹, Amy Koski, BA¹, Aleksei Mikhailchenko, PhD¹, Stephen B Heitner, PhD⁴, Eunju Kang, PhD⁵, Paula Amato, MD¹ and Shoukhrat Mitalipov, PhD¹, ¹Oregon Health & Science University, Portland, OR, ²Shandong University, Jinan, China, ³ASAN Institute for Life Sciences, ASAN Medical Center, Seoul, Korea, Republic of (South), ⁴Oregon Health & Science University, Portland, OR, ⁵ASAN Medical Center, Seoul, Korea, Republic of (South)

OD2-05 REPRODUCTIVE SURGERY AND PROCEDURES

- 9:40 AM **O-85** **ULTRASONOGRAPHIC PARAMETERS PREDICT THE IMPROVEMENT OF POSTMENSTRUAL SPOTTING IN PATIENTS UNDERGOING HYSTEROSCOPIC TREATMENT OF ISTHMOCELE.** Simone Ferrero, MD PhD¹, Franco Alessandri, MD², Michele Altieri, MD¹, Giulio Evangelisti, MD¹, Maria Grazia Centurioni, MD² and Fabio Barra, MD¹, ¹IRCCS Ospedale Policlinico San Martino, Genova, Italy, ²IRCCS Ospedale Policlinico San Martino, Genoa, Italy
- 9:55 AM **O-86** **PERSPECTIVES OF 281 PATIENTS WITH MAYER-ROKITANSKY-KÜSTER-HAUSER SYNDROME ON UTERINE TRANSPLANTATION.** Nicole Mercado Fischer, MPH¹, Helen Xun, BS², Bhuchitra Singh, MD, MPH, MS³ and James Segars, MD¹, ¹Johns Hopkins University School of Medicine, Division of Reproductive Endocrinology and Infertility, Baltimore, MD, ²Johns Hopkins School of Medicine, Baltimore, MD, ³Johns Hopkins University School of Medicine, Baltimore, MD
- 10:10 AM **O-87** **QUANTIFYING HETEROGENEITY OF TESTICULAR HISTOPATHOLOGY IN NON-OBSTRUCTIVE AZOOSPERMIC MEN.** Nahid Punjani, MD MPH¹, Ryan Flannigan, MD², Kathleen Hart, BSN RN MA¹ and Peter N Schlegel, M.D.³,

ORAL ABSTRACTS

- ¹Weill Cornell Medicine, New York, NY, ²University of British Columbia, Vancouver, BC, Canada, ³Weill Cornell Medicine, New York Presbyterian Hospital, New York, NY
- 10:25 AM **O-88** **EVALUATING THE QUALITY OF REPORTING IN OUTCOMES OF MICROSURGICAL-TESE IN MEN WITH NON-OBSTRUCTIVE AZOOSPERMIA (NOA): A METHODOLOGICAL ANALYSIS.** Brittany D Berk, MD, John Joseph Hernandez Jr., BA, Tracy X Han, MD, MBA and Martin Kathrins, MD, Brigham and Women's Hospital and Harvard University, Boston, MA
- 10:40 AM **O-89** **EFFECTS OF PREOPERATIVE MEDICAL TREATMENT ON SPERM RETRIEVAL RATES IN PRIMARY AND IN RECURRENT MICRO TESE CASES.** Murad M Basar, PROF. MD¹, Hakan Kadir Yelke, MsC², Gönül Özer, MD³, Melike Kaya-Bahcecitapar, PhD⁴, Yesim Kumtepe-Colakoglu, Msc² and Semra Kahraman, Prof. MD², ¹MEMORIAL SISLI HOSPITAL, ISTANBUL, Turkey, ²Istanbul Memorial Hospital, Istanbul, Turkey, ³Istanbul Memorial Hospital, Istanbul, Turkey, ⁴HACETTEPE UNIVERSITY FACULTY OF SCIENCE, Ankara, Turkey
- 10:55 AM **O-90** **FLUOROSCOPIC-GUIDED HYSTEROSCOPIC TUBAL CANNULATION RESULTS IN HIGH TECHNICAL SUCCESS, HIGH SPONTANEOUS PREGNANCY RATES, AND SIMILAR TIME TO PREGNANCY WHEN COMPARED TO LAPAROSCOPIC GUIDANCE.** May-Tal Sauerbrun-Cutler, MD¹, Emma Charlotte Brown, BA², Gary N Frishman, MD³, Phinnara Has, MS⁴ and Martin D Keltz, MD⁵, ¹Warren Alpert Medical School of Brown University; Women & Infants Hospital, Department of Obstetrics and Gynecology, Division of Reproductive Endocrinology and Infertility, Providence, RI, ²Brown University, Providence, RI, ³Brown University; Women & Infants Hospital, Department of Obstetrics and Gynecology, Division of Reproductive Endocrinology and Infertility, Providence, RI, ⁴Warren Alpert Medical School of Brown University; Women & Infants Hospital, Department of Obstetrics and Gynecology, Division of Reproductive Endocrinology and Infertility, Providence, RI, ⁵WESTMED Reproductive Services, Associate Professor at Icahn School of Medicine at Mt. Sinai, Purchase, NY
- OD2-06 CRYOPRESERVATION AND FROZEN EMBRYO TRANSFER**
- 1:50 PM **O-91** **SUCCESSFUL PRODUCTION OF NORMAL EUPLOID HUMAN BLASTOCYSTS DERIVED FROM SPERM AFTER PARTIAL FREEZE DRYING, REHYDRATION AND ICSI: TOWARDS DEVELOPING A NOVEL METHOD FOR SAFE STORAGE OF BIOLOGICAL SAMPLES.** Stoyana Alexandrova, PhD¹, Amir Arav, PhD², Kristy Hood, M.Sc¹, Yehudit Natan, M.Sc², John J Zhang, MD, PhD¹ and Patrizio Pasquale, MD, MBE, HCLD³, ¹Darwin Life INC, New York City, NY, ²FertileSafe, Ltd, Ness Tziona, Israel, ³Yale Fertility Center, Orange, CT
- 2:05 PM **O-92** **EMBRYO VITRIFICATION IN SUPER COOLED SLUSH NITROGEN RESULTS IN SUPERIOR POST-THAW SURVIVAL COMPARED TO CONVENTIONAL LIQUID NITROGEN: A BLINDED, RANDOMIZED CONTROLLED TRIAL.** Emily K Osman, MD¹, Marga Esbert, PhD², Brent M Hanson, MD¹, Ayesha D. Winslow, MS³, Emre Seli, MD¹ and Richard Thomas Scott Jr., MD¹, ¹IVI RMA New Jersey, Basking Ridge, NJ, ²IVI RMA Barcelona, Barcelona, Spain, ³IVI-RMA New Jersey, Basking Ridge, NJ
- 2:20 PM **O-93** **UPRIGHT, UPSIDE DOWN, SIDEWAYS - EFFECTS OF ORIENTATION OF VAPOR SHIPPERS AND DATA LOGGERS ON HOLD TIME.** William Brent Hazelrigg, M.S. and Amy Suzanne Erickson Hagen, M.S., ReproTech, Ltd., Columbia, MO
- 2:35 PM **O-94** **A NOVEL ORGAN CULTURE SYSTEM SUPPORTED GERM CELL SURVIVAL IN PRIMATES AND SPERMATOGENESIS IN MICE.** Kien Tran, BS¹, Wenbo Li, MS²,

ORAL ABSTRACTS

- 2:50 PM **O-95** **OOCYTE VITRIFICATION HAS A DISADVANTAGEOUS EFFECT ON EMBRYO QUALITY: A PROPENSITY SCORE MATCHING-BASED STUDY.** Sung Kwon Cho, PhD² and Kyle E Orwig, PhD¹, ¹University of Pittsburgh School of Medicine, Pittsburgh, PA, ²University of Pittsburgh, Pittsburgh, PA
- 2:20 PM **O-99** **POLYCYSTIC OVARY SYNDROME COMORBIDITY PATTERNS DIFFER BETWEEN RACIALLY AND ETHNICALLY DIVERSE PATIENTS.** Ky'Era V. Actkins, BS¹, Melinda Aldrich, PhD², Digna R. Velez Edwards, PhD² and Lea K. Davis, PhD², ¹Meharry Medical College, Nashville, TN, ²Vanderbilt University Medical Center, Nashville, TN
- 3:05 PM **O-96** **DOES TROPHECTODERM BIOPSY AFFECT BLASTOCYST'S EXPANSION RATE POST THAWING?** Samar Gamal El qassby, Bachelor and Samar Gamal el qassby, Manar Hozyen, Abdul ghafaar, Hana elkhader, Hosam zaki FRCOG, Ganin fertility center, Giza, Egypt
- 2:35 PM **O-100** **SUBCUTANEOUS ABDOMINAL STEM CELL ADIPOGENESIS PREDICTS METABOLIC IMPROVEMENTS IN NORMAL-WEIGHT POLYCYSTIC OVARY SYNDROME WOMEN.** Daniel A Dumesic, M.D.¹, Ayli Tulberg, student¹, Karen L Leung, B.S.¹, Sam C Fisch, B.S.¹, Tristan R. Grogan, M.S.¹, David H Abbott, Ph.D², Rajanigandha Naik, M.D.¹ and Gregorio D Chazenbalk, Ph.D.¹, ¹UCLA, Los Angeles, CA, ²Univeristy of Wisconsin, Madison, WI
- OD2-07 ANDROGEN EXCESS**
- 1:50 PM **O-97** **WORKING HARD OR HARDLY WORKING: DOES PCOS IMPACT THE MITOCHONDRIAL DNA CONTENT OF THE EMBRYO.** Lauren Grimm, M.A.¹, Zoran J Pavlovic, M.D.², Jessi Anderson, MPH¹, Christy Oso, B.A.¹, Emma Radley, M.A.¹, Nepheli Raptis, B.A., M.A.¹, Hanna Mandell, M.A.¹, Shawn Zimmerman, PhD, HCLD³, Angeline Beltsos, MD¹, Amber R Cooper, MD⁴ and Roohi Jeelani, MD¹, ¹Vios Fertility Institute, Chicago, IL, ²Rush University Medical Center, Chicago, IL, ³Vios Fertility Institute, Swansea, SC, ⁴Vios Fertility Institute St Louis, St. Louis, MO
- 2:50 PM **O-101** **AN AMH-BASED SCREENING TOOL IS BOTH SENSITIVE AND SPECIFIC FOR PREDICTING A DIAGNOSIS OF PCOS BY ROTTERDAM CRITERIA.** Eduardo Hariton, MD, MBA¹, Jerrine R. Morris, MD, MPH¹, Chia-Ning Kao, MS¹, Eleni Greenwood Jaswa, MD, MSc¹, Molly M Quinn, MD², Marcelle I Cedars, MD¹ and Heather G. Huddleston, MD¹, ¹University of California, San Francisco School of Medicine, San Francisco, CA, ²University of California, Los Angeles, Los Angeles, CA
- 2:05 PM **O-98** **A NOVEL DIAGNOSTIC APPROACH FOR POLYCYSTIC OVARY SYNDROME DIAGNOSIS USING GONADOTROPIN RELEASING HORMONE RECEPTOR AUTOANTIBODY ACTIVITY AND ANTIMULLERIAN HORMONE.** Elizabeth A Weedin, DO, MS¹, Heather R Burks, MD¹, Xichun Yu, MD², Hong Liang Li, MD, PhD², Christopher E Aston, PhD³, David C Kem, MD² and LaTasha B Craig, MD³, ¹University of Oklahoma Health Sciences Center, Department of Obstetrics and Gynecology, Oklahoma City, OK, ²University of Oklahoma Health Sciences Center, Oklahoma City, OK, ³University of Oklahoma Health Sciences Center, Oklahoma City, OK
- 3:05 PM **O-102** **POLYCYSTIC OVARY SYNDROME IS ASSOCIATED WITH INCREASED ANEUPLOIDY RATE.** Pamela B. Parker, M.D., M.P.H., Molly Siegel, MD, Wes Urian, MD, Bharti Garg, MBBS, MPH, Diana Wu, MD, Paula Amato, MD, David Lee, MD, Thomas O'Leary, PhD and Sacha A. Krieg, M.D., Ph.D., Oregon Health & Science University, Portland, OR

ORAL ABSTRACTS

OD2-08 ART LAB: OUTCOME PREDICTORS

- 1:50 PM **O-103 CLINICAL IMPLEMENTATION OF ALGORITHM-BASED EMBRYO SELECTION USING MULTI-DIMENSIONAL ANALYSIS OF 'BIG DATA' IMPROVES PREGNANCY OUTCOMES IN SINGLE THAWED EUPLOID EMBRYO TRANSFERS (EUPLOID SETS).** Jenna Friedenthal, MD¹, Rose Marie Roth, MSc, TS(ABB), CLT (NYS)², Richard Slifkin, BA, TS(ABB), CLT(NYS)², Christine Briton-Jones, PhD, HCLD², Taraneh Gharib Nazem, MD², Dmitry Gounko, MA², Joseph A. Lee, BA² and Alan B Copperman, MD¹, ¹Icahn School of Medicine at Mount Sinai, New York, NY, ²Reproductive Medicine Associates of New York, New York, NY
- 2:05 PM **O-104 EUPLOIDY RATES AND PREGNANCY OUTCOMES USING THE ZYMOT™ DEVICE FOR SPERM PREPARATION.** Anthony R Anderson, D.HSc, Elisabeta Kasa, BA in Biolog, Darleen Taylor, B.Sc., Donna Covington, B.Sc., Elizabeth Williams, B.Sc., Sonam Alissa Bhakta, B.Sc. and Ursula Balthazar, M.D., Aspire Fertility San Antonio, San Antonio, TX
- 2:20 PM **O-105 ACCURATE MEASUREMENT OF SPERM DNA FRAGMENTATION EFFECT ON REPRODUCTIVE OUTCOMES BY CUMULATIVE LIVEBIRTH RATES (CLBR) PER EMBRYO TRANSFERRED AND OOCYTE UTILIZED REVEALS ITS LACK OF RELEVANCE IN OOCYTE DONATION FOR UNSELECTED MALES.** Irene Hervas, MSc¹, Nicolas Garrido, PhD¹, Rocio Rivera-Egea, PhD², Cristina Gonzalez-Ravina, PhD³, David Amoros, PhD⁴, Fernando Quintana Sr., PhD⁵, Maria Gil Julia, MSc, MRes¹ and Alberto Pacheco, PhD⁶, ¹IVI Foundation - IIS La Fe Biomedical Research Institute, Valencia, Spain, ²IVIRMA Valencia, Valencia, Spain, ³IVIRMA Sevilla, Sevilla, Spain, ⁴IVIRMA Barcelona, Barcelona, Spain, ⁵IVIRMA Bilbao, Bilbao, Spain, ⁶IVIRMA Madrid, Madrid, Spain
- 2:35 PM **O-106 PRESENCE OF ABNORMAL CELL CLEAVAGE, CELL FUSION OR BOTH SEEN DURING EMBRYO DEVELOPMENT ON TIME-LAPSE MICROSCOPY IS NOT PREDICTIVE OF CHROMOSOMAL ANEUPLOIDY.** Alice J Shapiro, M.D.¹, Lindsay Kroener, MD¹, Nicholas J Jackson, PhD, MPH¹, Zachary Haimowitz, B.S.², Alin Lina Akopians, MD, PhD³, Wendy Y Chang, MD³, Carolyn J Alexander, MD³, Shahin Ghadir, MD³, Hal Danzer, MD³, Mark W Surrey, MD³ and Jason A Barritt, PhD², ¹David Geffen School of Medicine, University of California, Los Angeles, Los Angeles, CA, ²ART Reproductive Center, Beverly Hills, CA, ³Southern California Reproductive Center, Beverly Hills, CA
- 2:50 PM **O-107 DOES TOBACCO AFFECT FOLLICULAR AND EMBRYO HEALTH?** David Agudo, PhD¹, Estefania Castro, Technician¹, Alberto Pacheco, PhD¹, Irene Martín Patón, Graduate¹, María Cruz, PhD² and Fernando Bronet, PhD¹, ¹IVI Madrid, Madrid, Spain, ²IVIRMA Global Headquarters, Madrid, Spain
- 3:05 PM **O-108 ULTRA LOW OXYGEN EXPOSURE DURING EXTENDED CULTURE OF HUMAN IN VITRO EMBRYO SIGNIFICANTLY IMPROVES USABLE BLASTULATION AND CUMULATIVE LIVE BIRTH RATES IN IN VITRO FERTILIZATION.** Sophie Brouillet, PharmD, PhD¹, Aneta Andreeva, RESIDENT¹, Anna Gala, MD¹, Alice Ferrieres-Hoa, MD¹, Margaux Anav, MD¹, Alice Fournier, MD¹, Vanessa Loup, MD¹, Noemie Ranisavljevic, M.D., Ph.D.² and Samir Hamamah, MD, PhD¹, ¹Amaud de Villeneuve Hospital, CHU Montpellier, Montpellier, France, ²CHU and University of Montpellier, Montpellier, France

OD2-09 EARLY PREGNANCY

- 1:50 PM **O-109 CHRONIC ENDOMETRITIS: WHAT IS THE PREVALENCE AMONG HEALTHY CONTROLS?** Dana B McQueen, MD, MAS¹, Kruti P Maniar, M.D.², Rafael Confino, BS², Lia Bernardi,

ORAL ABSTRACTS

- MD¹ and Mary Ellen Pavone, MD, MSCI¹, ¹Northwestern Feinberg School of Medicine, Chicago, IL, ²Northwestern University, Chicago, IL
- 2:05 PM **O-110 MEDICAL VERSUS EXPECTANT MANAGEMENT IN WOMEN WITH INCOMPLETE FIRST-TRIMESTER MISCARRIAGE INITIALLY TREATED WITH MISOPROSTOL: A RANDOMIZED CONTROLLED STUDY.** Mahmoud A. Abdelaleem, MD, Mohammed Khairy Ali, MD, Samr Emam, MBBCh and Ahmed M Abbas, MD, Department of Obstetrics and Gynecology, Faculty of Medicine, Assiut University, Assiut, Egypt
- 2:20 PM **O-111 GnRH ANTAGONISTS INHIBIT TROPHOBLAST INVASION, PROLIFERATION AND OUTGROWTH IN PLACENTA FROM WOMEN WITH ECTOPIC PREGNANCY.** Bo Peng, Ph.D.¹, Lobna Abdellatif, M.Sc.², Paul J Yong, M.D., Ph.D.², Alexander G Beristain, Ph.D.², Andrew Horne, MB ChB, Ph.D.³ and Mohamed Ali Bedaiwy, M.D., Ph.D.², ¹American University of the Caribbean, School of Medicine, Cupecoy, Sint Maarten (Dutch part), ²University of British Columbia, Vancouver, BC, Canada, ³The University of Edinburgh, Edinburgh, United Kingdom
- 2:35 PM **O-112 PARENTAL ORIGIN OF EMBRYONIC ANEUPLOIDY IN COUPLES WITH RECURRENT PREGNANCY LOSS.** Dana B McQueen, MD, MAS¹, Marissa L Luck, MD¹, Lydia Hughes, MD¹, Rachel Ruderman, MD, MPH¹, Rafael Confino, BS¹, Melissa K Maisenbacher, M.S.², Mary Ellen Pavone, MD, MSCI¹ and Lia Bernardi, MD¹, ¹Northwestern Feinberg School of Medicine, Chicago, IL, ²Natera, San Carlos, CA
- 2:50 PM **O-113 SINGLE NUCLEOTIDE POLYMORPHISM (SNP) ARRAY ANALYSIS OF 63,277 PRODUCTS OF CONCEPTION (POC) SAMPLES: A 10-YEAR LABORATORY EXPERIENCE.** Melissa K Maisenbacher, M.S.¹, Katrina Merrion, MS², Brynn Levy, M.Sc. (Med)., Ph.D., FACMG³ and William H Kutteh, MD, PhD⁴, ¹Natera, San Carlos, CA, ²Natera, Inc., CA, ³Columbia University, New York, NY, ⁴Clinical Professor, Memphis, TN
- 3:05 PM **O-114 A BIOCHEMICAL PREGNANCY LOSS AFTER THE FIRST FRESH EMBRYO TRANSFER: CURSE OR BLESSING?** Liselotte Gezels, MD, Shari Mackens, MD, Annalisa Racca, MD, Anick De Vos, PhD, Herman Tournaye, MD, PhD and Christophe Blockeel, MD, PhD, Universitair Ziekenhuis Brussel, Jette, Belgium
- OD2-10 LEGAL AND ETHICAL REPRODUCTIVE ISSUES**
- 1:50 PM **O-115 BRINGING INFORMED CONSENT TO THE 21ST CENTURY – THE IMPACT OF AN ONLINE RESOURCE AND CONSENT PROCESS ON FERTILITY PATIENT PERCEPTIONS.** Abigail L Bernard, MD¹, Ashley K Barbour, MPhys², Jody L Madeira, Ph.D., J.D.³, Steven R. Lindheim, M.D.⁴ and Linnea R Goodman, MD¹, ¹University of North Carolina, Raleigh, NC, ²Brody School of Medicine at East Carolina University, Greenville, NC, ³Professor of Law, Bloomington, IN, ⁴Wright State University, Dayton, OH
- 2:05 PM **O-116 DECISION REGRET AFTER AUTOLOGOUS IN VITRO FERTILIZATION IN WOMEN AGE 42 AND OVER.** David Huang, MD¹, Eleni Greenwood Jaswa, MD, MSc², Marcelle I Cedars, MD¹ and Heather G. Huddleston, MD¹, ¹University of California San Francisco, Department of Obstetrics and Gynecology, San Francisco, CA, ²University of California San Francisco, Department of Obstetrics and Gynecology, San Francisco, CA
- 2:20 PM **O-117 TOP TEN RESEARCH PRIORITIES FOR ETHICS, ACCESS, AND ORGANISATION OF FERTILITY CARE.** James M N Duffy, DPhil MRes PG

ORAL ABSTRACTS

HCL MBChB BSc (Hons)¹, Barbara Lynn Collura, MA², Cindy Farquhar, FRANZCOG FRCOG MD MPH³ and Priority Setting Partnership for Infertility, ¹Institute for Women's Health, University College London, Greater London, United Kingdom, ²RESOLVE: The National Infertility Association, McLean, VA, ³University of Auckland, Auckland, New Zealand

- 2:35 PM **O-118 ELECTIVE SINGLE EMBRYO TRANSFER RATES IN THE ERA OF PREIMPLANTATION GENETIC TESTING AND GESTATIONAL CARRIERS: A SART REVIEW.** Bryn Erin Willson, MD and Rebecca Lynne Surrey, MD, MS, UC Davis Health, Sacramento, CA
- 2:50 PM **O-119 LIABILITY FOR EMBRYO MIX-UPS: LEGAL CASE REVIEW AND RECOMMENDATIONS.** Melody A Rasouli, MD, MBA¹, Christopher P. Moutos, MD² and John Y Phelps, MD, JD, LLM, MHA³, ¹University of Nevada, Las Vegas, Las Vegas, NV, ²University of Texas Medical Branch, Galveston, TX, ³University of Nevada Las Vegas, Las Vegas, NV
- 3:05 PM **O-120 HEALTH INSURANCE FOR INFERTILITY SERVICES: IT'S ABOUT WHERE YOU WORK, MORE THAN WHERE YOU LIVE.** Nathanael B Stanley, MA and Tara R Foti, MPH, University of South Florida, Tampa, FL

ORAL ABSTRACTS

Monday, October 19, 2020

ORAL ABSTRACT SESSIONS DAY 3

OD3-01 HEALTH DISPARITIES

- 9:40 AM **O-121 ASSOCIATION BETWEEN INFERTILITY AND MORTALITY: ANALYSIS OF US CLAIMS DATA.** Gayathree Murugappan, MD¹, Shufeng Li, MS², Ruben J Alvero, MD³ and Michael L Eisenberg, M.D.⁴, ¹Stanford University Medical Center, Sunnyvale, CA, ²Stanford University Medical Center, Stanford, CA, ³Stanford University, Sunnyvale, CA, ⁴Stanford University, Stanford, CA
- 9:55 AM **O-122 NEIGHBORHOOD DISADVANTAGE AND ASSOCIATION WITH OVARIAN RESERVE.** Allison P Schelble, MD¹, Caitlin Elizabeth Martin, MD, MS², Bronwyn S Bedrick, MD, MSCI³, Joan Riley, PhD, HCLD¹ and Emily S Jungheim, MD, MSCI⁴, ¹Washington University School of Medicine, St. Louis, MO, ²Washington University School of Medicine, St. Louis, MO, ³Johns Hopkins University, Baltimore, MD, ⁴Northwestern Feinberg School of Medicine, Chicago, IL
- 10:10 AM **O-123 BLACK RACE RESULTS IN LOWER LIVE BIRTH RATE (LBR) IN FROZEN-THAWED BLASTOCYST TRANSFER CYCLES (FET): AN ANALYSIS OF 7,002 SART FET CYCLES.** Reeva B Makhijani, MD¹, Alicia Y Christy, MD², Prachi N Godiwala, MD¹, Kim L Thornton, MD³, Daniel R Grow, MD¹ and Lawrence Engmann, MD¹, ¹University of Connecticut Health Center, Center for Advanced Reproductive Services, Farmington, CT, ²Veterans Administration, Kensington, MD, ³Boston IVF, Waltham, MA
- 10:25 AM **O-124 PSYCHOBIOLOGICAL, CLINICAL, AND SOCIOCULTURAL FACTORS THAT INFLUENCE AFRICAN AMERICAN WOMEN TO SEEK TREATMENT FOR INFERTILITY: A MIXED METHODS STUDY.** Morine Ceibert, Ph.D., RN¹, Eleanor Stevenson, PhD, RN², Susan G. Silva, PhD³, Rosa Gonzalez-guarda, PhD, RN³, Peggy A Shannon-Baker, PhD⁴, Renee E Hart, MS⁵ and Samad Jahandideh, PhD⁵, ¹NIH, Bethesda, MD, ²Duke University School of Nursing, Durham, NC, ³Duke University School of Nursing, Durham, NC, ⁴Georgia Southern University, Statesboro, GA, ⁵Shady Grove Fertility Center, Rockville, MD
- 10:40 AM **O-125 DOES ETHNICITY IMPACT OOCYTE CRYOPRESERVATION OUTCOMES? NATIONAL TRENDS AND OUTCOMES IN AUTOLOGOUS OOCYTE CRYOPRESERVATION IN THE UNITED STATES** Quinton S Katler, MD, MSc¹, Lisa M Shandley, MD, MSc², Heather S Hipp, MD² and Jennifer F Kawwass, MD¹, ¹Emory University (Emory GYN / OB, Emory Reproductive Center), Atlanta, GA, ²Emory University School of Medicine, Atlanta, GA
- 10:55 AM **O-126 ULTRASOUND CONFIRMED FIBROID PREVALENCE IN A COHORT OF REPRODUCTIVE AGED LATINX FEMALES: DATA FROM THE ENVIRONMENT, LEIOMYOMAS, LATINAS, AND ADIPOSITY STUDY (ELLAS).** Torie C. Plowden, MD, MPH¹, Anne Waldo, MS², Nicole Contreras-Rodriguez, BS³, Felix Valbuena, MD⁴, Lisa M. Neff, MD⁵, Mercedes Carnethon, PhD⁶, Donna D Baird, Ph.D.⁷ and Erica E. Marsh, MD, MSCI, FACOG², ¹Womack Army Medical Center, Fort Bragg, NC, ²University of Michigan, Ann Arbor, MI, ³Reproductive Endocrinology and Infertility, University of Michigan, Ann Arbor, MI, ⁴Community Health and Social Services (CHASS) Center, Detroit, MI, ⁵Endocrinology, Metabolism, and Molecular Medicine, Northwestern University, Chicago, IL, ⁶Northwestern University, Chicago, IL, ⁷NIH, National Institute of Environmental Health Sciences, Research Triangle Park, NC

ORAL ABSTRACTS

OD3-02 IMAGING AND REPRODUCTIVE MEDICINE

9:40 AM **O-127** **ENDOMETRIAL THICKNESS FOLLOWING OVARIAN STIMULATION WITH GONADOTROPIN, CLOMIPHENE, OR LETROZOLE FOR UNEXPLAINED INFERTILITY, AND ASSOCIATION WITH TREATMENT OUTCOMES.** Alexander M. Quaas, MD, PhD¹, Sarah Z. Gavrizi, MD², Jennifer D. Peck, PhD², Michael P. Diamond, MD³, Karl R. Hansen, MD PhD² and Reproductive Medicine Network, ¹University of California San Diego, San Diego, CA, ²University of Oklahoma College of Medicine, Oklahoma City, OK, ³Augusta University, Augusta, GA

9:55 AM **O-128** **INCIDENCE AND ULTRASONOGRAPHIC CHARACTERISTICS OF CESAREAN SCAR NICHES AFTER UTERINE CLOSURE BY DOUBLE-LAYER BARBED SUTURE: A PROSPECTIVE COMPARATIVE STUDY.** Franco Alessandri, MD¹, Simone Ferrero, MD PhD², Michele Altieri, MD², Giulio Evangelisti, MD², Maria Grazia Centurioni, MD¹ and Fabio Barra, MD², ¹IRCCS Ospedale Policlinico San Martino, Genoa, Italy, ²IRCCS Ospedale Policlinico San Martino, Genova, Italy

10:10 AM **O-129** **SLOWFLOWHD APPLICATION IN FET CYCLES.** Seifeldin Sadek, MD¹, Tamar Matitashvili, MD¹, Hadi Ramadan, M.D.² and Laurel Stadtmauer, MD, PhD¹, ¹Jones Institute, Norfolk, VA, ²Eastern Virginia Medical School, Norfolk, VA

10:25 AM **O-130** **OVIDUCTAL PATENCY OF WOMEN AFFECTS SIGNIFICANT INFLUENCES ON CLINICAL OUTCOME OF ART TREATMENT.** Aisaku Fukuda, M.D., Ph.D.¹, Hiroshi Matsumoto, B.S.¹, Isao Tsuji, M.D., Ph.D.¹ and Yoshiharu Morimoto, M.D., Ph.D.², ¹IVF Osaka Clinic, Higashiosaka, Japan, ²HORAC Grand Front Osaka clinic, Osaka, Japan

10:40 AM **O-131** **PREVALENCE, INCIDENCE AND TRENDS IN ENDOMETRIOSIS DIAGNOSIS BY DIAGNOSTIC MODALITY, PROVIDER TYPE AND RACE.** Jacob Christ, MD¹, Onchee Yu, MS², Renate Schulze-Rath, MD, MSc³ and Susan D. Reed, MD, MPH, MS⁴, ¹University of Washington, Seattle, WA, ²Kaiser Permanente Washington, Seattle, WA, ³Bayer AG, Berlin, Germany, ⁴University of Washington Seattle, Seattle, WA

10:55 AM **O-132** **SMALL UTERINE SEPTA: ARE THERE OTHER 3D ULTRASOUND MEASUREMENTS BEYOND SEPTAL LENGTH THAT BETTER CORRELATE TO REPRODUCTIVE OUTCOME?** Caterina Exacoustos, MD, PhD¹, Francesca Conway, MD², Consuelo Russo, MD¹, Francesco Giuseppe Martire, MD¹, Terry Siciliano, MD³, Martina Cosentino, MD¹ and Carlo Ticconi, MD⁴, ¹University of Rome 'Tor Vergata', Italy, ²University of Rome 'Tor Vergata', Rome, Italy, ³Roma, Roma, Italy, ⁴Via Edoardo Maragliano 26, Roma, Italy

OD3-03 IVF OUTCOME PREDICTORS 1

9:40 AM **O-133** **THE ASSOCIATION BETWEEN PRIOR CESAREAN SECTION AND ASSISTED REPRODUCTIVE TECHNOLOGY (ART) OUTCOMES IN WOMEN UNDERGOING AUTOLOGOUS SINGLE THAWED EUPLOID EMBRYO TRANSFER.** Jenna Friedenthal, MD¹, Dmitry Gounko, MA², Tamar Alkon-Meadows, MD², Carlos Hernandez-Nieto, MD², Joseph A. Lee, BA², Alan B Copperman, MD¹ and Erkan Buyuk, MD¹, ¹Icahn School of Medicine at Mount Sinai, New York, NY, ²Reproductive Medicine Associates of New York, New York, NY

9:55 AM **O-134** **EFFECT OF FOLLICULAR PHASE LENGTH ON PREGNANCY OUTCOMES IN NATURAL FROZEN EMBRYO TRANSFER CYCLES.** Phillip A Romanski, MD¹, Pietro Bortoletto, MD¹, Yung-Liang Liu, MD PHD², Pak Chung, M.D.¹ and Zev Rosenwaks, M.D.¹, ¹The Ronald

ORAL ABSTRACTS

O. Perelman and Claudia Cohen
 Center for Reproductive Medicine,
 Weill Cornell Medicine, New York,
 NY, ²Weill Cornell Medicine, New
 York, NY

¹Weill Cornell Medicine, New York,
 NY, ²The Ronald O. Perelman
 and Claudia Cohen Center for
 Reproductive Medicine, Weill
 Cornell Medicine, New York, NY

10:10 AM **O-135 PREIMPLANTATION GENETIC TESTING FOR ANEUPLOIDY DOES NOT IMPROVE OUTCOME IN YOUNG PATIENTS UNDERGOING IVF TREATMENT: A SART CORS STUDY.**
 Papri Sarkar, MD¹, Sangita K Jindal, Ph.D.², Erika P New, MD, MPH¹, Rachel Grimes Sprague, MD³, Jean Tanner, PhD¹ and Anthony N Imudia, MD⁴, ¹University of South Florida, Tampa, FL, ²Albert Einstein College of Medicine / Montefiore Medical Center, Hartsdale, NY, ³Shady Grove Fertility, Washington D.C., DC, ⁴Department of Obstetrics and Gynecology, Morsani College of Medicine, University of South Florida, Tampa, FL

10:55 AM **O-138 WHAT PREDICTS DESIRE TO PROCEED WITH FERTILITY TREATMENT DURING A PANDEMIC? A RETROSPECTIVE COHORT STUDY FOLLOWING THE COVID-19 SHUTDOWN.**
 Lauren Elizabeth Verrilli, MD, Kellie Woodfield, MD, Joseph M Letourneau, MD and Erica Johnstone, MD, University of Utah, Salt Lake City, UT

10:25 AM **O-136 WHEN USING DONOR OOCYTES, DOES EMBRYO STAGE MATTER? AN ANALYSIS OF BLASTOCYST VERSUS CLEAVAGE STAGE EMBRYO TRANSFERS IN A DONOR OOCYTE IN VITRO FERTILIZATION (IVF) MODEL**
 Sarah M Capelouto, MD¹, Audrey J Gaskins, ScD², Zsolt Peter Nagy, MD, PhD³, Daniel B Shapiro, MD³, Jessica B Spencer, MD, MSc⁴ and Heather S Hipp, MD⁵, ¹UT Southwestern Medical Center, Dallas, TX, ²Emory University, Rollins School of Public Health, Atlanta, GA, ³Reproductive Biology Associates, Atlanta, GA, ⁴Emory University School of Medicine, Division of Reproductive Endocrinology and Infertility, Atlanta, GA, ⁵Emory University School of Medicine, Atlanta, GA

OD3-04 MALE REPRODUCTION AND UROLOGY: CLINICAL

9:40 AM **O-139 WHAT IS THE OPTIMAL THRESHOLD FOR TOTAL PROGRESSIVE MOTILE SPERM COUNT IN PREDICTING SPONTANEOUS CONCEPTION IN SUBFERTILE COUPLES?** Lauren Elizabeth Verrilli, MD¹, Sorena Keihani, MD², Erica Johnstone, MD¹, Heidi A Hanson, PHD, MS³, Angela Presson, PhD, MS¹, Alexander W Pastuszak, MD, PhD², James Hotaling, MD⁴ and Joseph M Letourneau, MD¹, ¹University of Utah, Salt Lake City, UT, ²University of Utah, Salt lake city, UT, ³University of Utah Health, Salt Lake City, UT, ⁴University of Utah School of Medicine Andrology and IVF Laboratories, Salt Lake City, UT

10:40 AM **O-137 COMPARISON OF FRESH AND FROZEN EJACULATED SPERM IN DONOR OOCYTE RECIPIENT CYCLES: A PAIRED ANALYSIS UTILIZING SIBLING OOCYTES.** Kelly McCarter, MD¹, Robert Setton, MD², Alice Chung, BA², Zev Rosenwaks, M.D.² and Steven Spandorfer, MD²,

9:55 AM **O-140 INFLUENCE OF PATERNAL AGE ON ASSISTED REPRODUCTIVE TECHNOLOGY CYCLE AND PERINATAL OUTCOMES.** Audrey M Marsidi, MD¹, Lauren M Kipling, MPH², Jennifer F Kawwass, MD¹ and Akanksha Mehta, M.D., M.S.³, ¹Emory University School of Medicine, Division of Reproductive Endocrinology and Infertility, Atlanta, GA, ²Emory University Rollins School of Public Health, Atlanta, GA, ³1365 Clifton Road NE, Building B, Atlanta, GA

ORAL ABSTRACTS

- 10:10 AM **O-141 OPTIMAL TIMING FOR REPEAT SEMEN ANALYSIS DURING MALE INFERTILITY EVALUATION.** Nahid Punjani, MD MPH¹, Gal Wald, BA¹, Omar Al Hussein Alawamlh, MD¹, Vanessa L Dudley, MSHS², Miriam Feliciano, BSc², Philip S. Li, M.D.² and Marc Goldstein, M.D.², ¹Weill Cornell Medicine, New York Presbyterian Hospital, New York, NY, ²Center for Male Reproductive Medicine and Microsurgery, Weill Cornell Medicine, New York Presbyterian Hospital, New York, NY
- 10:25 AM **O-142 ADVANCED MALE PARTNER AGE RESULTS IN LOWER FERTILIZATION AND BLASTULATION RATES IN PATIENTS WHO FAIL TO GENERATE A EUPLOID BLASTOCYST WHEN COMPARED TO PATIENTS WHO ACHIEVE A EUPLOID BLASTOCYST.** Haley N Glatthorn, MD¹, Brent M Hanson, MD², Philip J Cheng, MD², James Hotaling, MD³, Richard Thomas Scott Jr., MD² and Jason M Franasiak, MD, HCLD/ALD², ¹Rutgers Robert Wood Johnson Medical School, New Brunswick, NJ, ²IVI-RMA New Jersey, Basking Ridge, NJ, ³University of Utah School of Medicine Andrology and IVF Laboratories, Salt Lake City, UT
- 10:40 AM **O-143 SPERM RETRIEVAL RATES AND OUTCOMES IN MEN WITH A HISTORY OF MALIGNANCY.** Nahid Punjani, MD MPH¹, Ryan Flannigan, MD², Kathleen Hart, BSN RN MA¹ and Peter N Schlegel, M.D.¹, ¹Weill Cornell Medicine, New York Presbyterian Hospital, New York, NY, ²University of British Columbia, Vancouver, BC, Canada
- 10:55 AM **O-144 TELEHEALTH FOR MALE-INFERTILITY IS FEASIBLE AND SAVES PATIENTS' TIME AND MONEY.** Alex Zhu, DO¹, Juan J Andino, MD, MBA¹, Zoey Chopra, BA², Stephanie Daignault-Newton, MS¹, Chad Ellimoottil, MD, MS¹ and James M Dupree IV, MD, MPH¹, ¹Michigan Medicine, Ann Arbor, MI, ²University of Michigan, Ann Arbor, MI
- OD3-05 MENTAL HEALTH**
- 9:40 AM **O-145 PARENT-CHILD RELATIONSHIP QUALITY AND CHILD PSYCHOLOGICAL ADJUSTMENT IN EGG DONATION FAMILIES: CHILDREN'S PERSPECTIVES AT AGE 5.** Susan Imrie, PhD, Joanna Lysons, MSc², Vasanti Jadva, PhD² and Susan Golombok, PhD², ¹University of Cambridge, Cambridge, United Kingdom
- 9:55 AM **O-146 SLEEP AND PSYCHOLOGICAL WELL-BEING: IS OBSTRUCTIVE SLEEP APNEA ASSOCIATED WITH DEPRESSION AND ANXIETY IN WOMEN WITH POLYCYSTIC OVARY SYNDROME?** Xiaojie P Zhou, MD¹, Eleni Greenwood Jaswa, MD, MSc², Nikolaus J Lenhart, BS¹, Jamie Corley, BA¹, Marcelle I Cedars, MD¹ and Heather G. Huddleston, MD², ¹University of California San Francisco, San Francisco, CA, ²University of California, San Francisco School of Medicine, San Francisco, CA
- 10:10 AM **O-147 LONG-TERM PSYCHIATRIC ILLNESS IN WOMEN WITH PRIMARY INFERTILITY.** Alessandra J Ainsworth, MD¹, Emily N Sadecki, BA², Lauren Kendall Rauchfuss, MD¹, Amy Weaver, MS³, Yulian Zhao, Ph.D.⁴ and Elizabeth A Stewart, MD⁵, ¹Mayo Clinic, Rochester, MN, ²Mayo Clinic College of Medicine and Science, Rochester, MN, ³Mayo Clinic Division of Biomedical Statistics and Information, Rochester, MN, ⁴Department of Obstetrics and Gynecology, Mayo Clinic, Rochester, MN, ⁵Mayo Clinic Department of OB/GYN, Reproductive Endocrinology and Infertility, Rochester, MN
- 10:25 AM **O-148 SHOULD, COULDA, WOULD: COUPLES' DECISIONAL REGRET AND EVALUATIONS REGARDING FERTILITY TREATMENTS SIX YEARS AFTER INITIATION.** Colin Johnson, MD, Rachel Cusatis, PhD, Kathryn E Flynn, PhD, Jay I Sandlow, MD, Judith Myers, MS and Kate D Schoyer, MD, Medical College of Wisconsin, Milwaukee, WI

ORAL ABSTRACTS

- 10:40 AM **O-149 DOES A WEB-BASED APP IMPACT QUALITY OF LIFE MEASURES DURING IN VITRO FERTILIZATION?** Caitlin Elizabeth Martin, MD, MS¹, Michael Lanham, MD², Courtney A Marsh, MD, MPH³ and Kenan Omurtag, MD¹, ¹Washington University School of Medicine, St. Louis, MO, ²University of Michigan, Ann Arbor, MI, ³University of Kansas, Overland Park, KS
- 10:55 AM **O-150 THE EMOTIONAL IMPACT OF THE ASRM GUIDELINES ON FERTILITY PATIENTS DURING THE COVID-19 PANDEMIC.** Jenna M Turocy, M.D.¹, Alex Robles, M.D.¹, Daniel Hercz, M.D.², Mary D'Alton, M.D.³, Eric J. Forman, M.D.¹ and Zev Williams, M.D., PhD.¹, ¹Columbia University Fertility Center, New York, NY, ²Jackson Memorial Hospital, Miami, FL, ³Columbia University Medical Center, New York, NY
- 11:50 AM **O-151 DOES BMI AFFECT EMBRYONIC MOSAICISM?** Baruch Abittan, M.D.¹, Robyn A Frankel, M.D.², Amber Gamma, MS, CGC³ and Randi H. Goldman, M.D.¹, ¹Northwell Health Fertility, North Shore University Hospital/Donald and Barbara Zucker School of Medicine at Hofstra/Northwell, Manhasset, NY, ²Zucker School of Medicine at Hofstra/Northwell, Manhasset, NY, ³Northwell Health Division of Medical Genetics, Great Neck, NY
- 2:05 PM **O-152 MALE VITAMIN D STATUS AND MALE FACTOR INFERTILITY.** Nicole Banks, MD¹, Fangbai Sun, MPH², Stephen A Krawetz, PhD³, Robert M Coward, MD⁴, Puneet Masson, MD⁵, JAMES F SMITH, MD, MS⁶, J C Trussell, MD⁷, Nanette Santoro, MD⁸, Heping Zhang, PhD² and Anne Z Steiner, MD, MPH⁹, ¹VCU Health, Richmond, VA, ²Yale University School of Public Health, New Haven, CT, ³Wayne State University School of Medicine, Detroit, MI, ⁴University of North Carolina,
- Chapel Hill, NC, ⁵Penn Medicine, Philadelphia, PA, ⁶University of California, San Francisco, San Francisco, CA, ⁷Upstate University Hospital, Syracuse, NY, ⁸University of Colorado School of Medicine, Aurora, CO, ⁹Duke University, Durham, NC
- 2:20 PM **O-153 OBESSE WOMEN PRESENT AN INCREASED RISK OF MISCARRIAGE AFTER EUPLOID EMBRYO TRANSFER.** Mauro Cozzolino, MD¹, Juan A Garcia-Velasco, MD, PhD², Marcos Meseguer, PhD³, Antonio Pellicer, MD¹ and Jose Bellver, MD PhD⁴, ¹IVIRMA Foundation, Valencia, Spain, ²IVI Madrid, Rey Juan Carlos University, Madrid, Spain, ³IVIRMA Global, Valencia, Spain, ⁴IVIRMA Valencia, Valencia, Spain
- 2:35 PM **O-154 THE RELATIONSHIP BETWEEN FEMALE BODY MASS INDEX (BMI) AND EMBRYONIC EUPLOIDY AS DETECTED VIA NEXT GENERATION SEQUENCING BUT (NGS): A STUDY OF 5,703 CYCLES.** Jenna Friedenthal, MD¹, Dmitry Gounko, MA², Taraneh Gharib Nazem, MD², Joseph A. Lee, BA², Beth McAvey, MD¹ and Alan B Copperman, MD¹, ¹Icahn School of Medicine at Mount Sinai, New York, NY, ²Reproductive Medicine Associates of New York, New York, NY
- 2:50 PM **O-155 TIME-RESTRICTED FEEDING OF NORMAL DIET INCREASES BODY WEIGHT AND IMPAIRS THE DEVELOPMENTAL COMPETENCE OF OOCYTES AFTER IVF IN FEMALE MICE.** Hiroshi Matsumoto, B.S.¹, Shu Hashimoto, Ph.D.², Nafuko Konishi, M.D.³, Satoshi Mizuno, Ph.D.¹, Masayasu Koyama, M.D., Ph.D.³, Aisaku Fukuda, M.D., Ph.D.¹ and Yoshiharu Morimoto, M.D., Ph.D.⁴, ¹IVF Osaka Clinic, Higashiosaka, Japan, ²Osaka City University Graduate School of Medicine, Osaka, Japan, ³Obstetrics and Gynecology, Osaka City University Graduate School of Medicine, Osaka, Japan, ⁴HORAC Grand Front Osaka clinic, Osaka, Japan

OD3-06 NUTRITION AND LIFESTYLE

ORAL ABSTRACTS

3:05 PM **O-156 PRE-CONCEPTION RISK PREDICTION INDEX FOR SEVERE MATERNAL MORBIDITY AMONG INFERTILE WOMEN.** Gayathree Murugappan, MD¹, Ruben J Alvero, MD², Deirdre J Lyell, MD³, Abha Khandelwal, MD, MS³ and Stephanie A Leonard, PhD³, ¹Stanford University Medical Center, Sunnyvale, CA, ²Stanford University, Sunnyvale, CA, ³Stanford University Medical Center, Stanford, CA

OD3-07 PEDIATRIC AND ADOLESCENT GYNECOLOGY

1:50 PM **O-157 UNDERSTANDING THE INFLUENCE OF GENDER IDENTITY AND SEXUAL ORIENTATION ON THE FUTURE PARENTING DESIRES OF TRANSGENDER AND NON-BINARY ADOLESCENTS IN COMPARISON TO THEIR CISGENDER SIBLINGS.** Brett Stark, MD¹, Shea Allison Nagle, MPH², Adam Hunter, MPH², Evelyn Mok-Lin, MD³ and Sabra L Katz-Wise, PhD⁴, ¹University of California, San Francisco, Department of Obstetrics and Gynecology, San Francisco, CA, ²Harvard T.H. Chan School of Public Health, Boston, MA, ³REI UCSF, Center for Reproductive Health, San Francisco, CA, ⁴Boston Children's Hospital, Boston, MA

2:05 PM **O-158 CIRCULATING INFLAMMATORY MARKERS AND ENDOMETRIOSIS PAIN SYMPTOMS AMONG ADOLESCENTS AND YOUNG ADULT WOMEN.** Amy L Shafir, Sc.D.¹, Britani Wallace, MPH², Allison F Vitonis, M.S.², Kathryn L. Terry, Sc.D.² and Stacey A Missmer, ScD³, ¹Boston Children's Hospital and Boston Center for Endometriosis, Boston, MA, ²Brigham and Women's Hospital, Boston, MA, ³College of Human Medicine, Michigan State University, Grand Rapids, MI

2:20 PM **O-159 IDENTIFYING BEST FIT IMPLEMENTATION STRATEGIES FOR IMPROVING FERTILITY CARE FOR ADOLESCENT AND YOUNG ADULT (AYA) CANCER SURVIVORS.** Anna Dornisch, BS, Emily Yang, BS, Jamie

Gruspe, MPH, Bonnie N. Kaiser, PhD MPH, Teresa Helsten, MD, Paula Aristizabal, MD MAS and Hui-Chun I. Su, MD MSCE, University of California San Diego, La Jolla, CA

2:35 PM **O-160 SERUM MICRORNA'S AS DIAGNOSTIC BIOMARKERS OF ENDOMETRIOSIS IN ADOLESCENT FEMALES.** Alla Vash-Margita, MD, Ramanaiah Mamillapalli, PhD, Tran C Dang, BS, Luisa M. Coraluzzi, BSN and Hugh S. Taylor, MD, Yale University School of Medicine, New Haven, CT

3:05 PM **O-161 TURNER SYNDROME: UNDERSTANDING INDIVIDUALIZED MEDICAL RISKS DETERMINED BY KARYOTYPE SUBGROUP.** Vaishnavi Purusothaman, MD, MA¹, Victoria W Fitz, MD, MSCR¹, Jennifer R Law, MD, MSCR¹, Emma M Rosen, MSPH² and Mary Peavey, MD¹, ¹University of North Carolina, Chapel Hill, NC, ²UNC Gillings School of Public Health, Chapel Hill, NC

2:50 PM **O-162 PREDICTIVE FACTORS FOR FERTILITY PRESERVATION IN PEDIATRIC PATIENTS WITH PLANNED GONADOTOXIC TREATMENT.** Glory E Mgboji, BS¹, Christina N Mitchell, MD² and Mindy S Christianson, MD², ¹Johns Hopkins University School of Medicine, Baltimore, MD, ²Johns Hopkins Medical Institutions, Lutherville, MD

OD3-08 PRACTICE MANAGEMENT

1:50 PM **O-163 COST-EFFECTIVENESS ANALYSIS OF THE ORIGINATOR RECOMBINANT HUMAN FOLLICLE-STIMULATING HORMONE (R-HFSH) AND URINARY HIGHLY PURIFIED MENOPAUSAL GONADOTROPIN (HMG) BASED ON DATA FROM A LARGE GERMAN REGISTRY.** Klaus F Bühler, MD¹, Robert Fischer, MD², Edel Falla, MSc³, Jeroen Luyten, PhD⁴, Claudia Roeder, PhD⁵, Boyang Bian, PhD⁶, Wilma Bilger, PhD⁷, Monica Lispi, MSc⁸ and Thomas M D'Hooghe, MD, PhD⁹, ¹Department of Gynaecology,

ORAL ABSTRACTS

- Jena-University Hospital-Friedrich Schiller University, Jena, Germany, ²MVZ Fertility Center Hamburg GmbH, Hamburg, Germany, ³IQVIA, London, United Kingdom, ⁴KU Leuven (University of Leuven), Leuven, Belgium, ⁵Pharma Value Consulting, Oberwil, Switzerland, ⁶EMD Serono, Inc, Billerica, MA, ⁷Merck Serono GmbH, Darmstadt, Germany, ⁸Merck KGaA, Darmstadt, Germany, ⁹Merck Healthcare KGaA, Darmstadt, Germany
- 2:05 PM **O-164 SOCIAL MEDIA IN THE TIME OF COVID-19: AN EVALUATION OF SOCIETY FOR ASSISTED REPRODUCTIVE TECHNOLOGY (SART) MEMBER CLINICS.** Miriam A. Andrusier, M.P.H.¹, Seth J. Barishansky, M.D., M.S.², Elizabeth A. Dilday, M.D.³, Angela K. Lawson, Ph.D.⁴ and Luis R. Hoyos, M.D.⁵, ¹SUNY Downstate Health Sciences University, Brooklyn, NY, ²The George Washington University School of Medicine and Health Sciences, Washington, DC, ³Department of Obstetrics and Gynecology, Division of Reproductive Endocrinology and Infertility, University of California, Los Angeles, Los Angeles, CA, ⁴Northwestern University Feinberg School of Medicine, Department of Obstetrics and Gynecology, Division of Reproductive Endocrinology and Infertility, Chicago, CA, ⁵UCLA, Los Angeles, CA
- 2:20 PM **O-165 TRAITS OF PATIENTS SEEN VIA TELEMEDICINE VERSUS IN-PERSON FOR NEW PATIENT VISITS IN A FERTILITY PRACTICE.** Vinita M Alexander, MD¹, Allison Schelble, MD¹ and Kenan Omurtag, MD², ¹Washington University in St. Louis, St. Louis, MO, ²Washington University School of Medicine, St. Louis, MO
- 2:35 PM **O-166 MAKING IT (NET)WORK: A SOCIAL NETWORK ANALYSIS OF "FERTILITY" ON TWITTER BEFORE AND DURING THE COVID-19 PANDEMIC.** Meghan Brooke Smith, MD¹, Jennifer K Blakemore, MD², Jacqueline Ho, MD
- MS¹ and James A Grifo, MD, PhD², ¹University of Southern California, Los Angeles, CA, ²NYU Langone Prelude Fertility Center, New York, NY
- 2:50 PM **O-167 PATIENT PREFERENCES FOR FOLLOW-UP OF GENDER AFFIRMING HORMONE THERAPY.** Erin Inman, MD¹, Daria Stelmak, BS¹, Emily K Kobernik, MPH, MS¹, Juan J Andino, MD, MBA², Daphna Stroumsa, MD, MPH, MSc¹, Molly B Moravek, MD, MPH¹ and John F Randolph Jr., MD¹, ¹University of Michigan, Ann Arbor, MI, ²Michigan Medicine, Ann Arbor, MI
- 3:05 PM **O-168 SURVEY OF CURRENT PRACTICE AND SATISFACTION OF SREI MEMBERS: AN SREI COMMITTEE REPORT.** Laurel Stadtmauer, MD, PhD¹, Paula Amato, MD², Seifeldin Sadek, MD¹, Elizabeth A McGee, MD³, Brooke Rossi, MD⁴ and Bradley S Hurst, M.D.⁵, ¹Jones Institute, Norfolk, VA, ²Oregon Health & Science University, Portland, OR, ³University of Vermont Larner College of Medicine, Burlington, VT, ⁴Ohio State University Medical College, Columbus, OH, ⁵Carolinas Medical Center Atrium Health, Charlotte, NC
- OD3-09 PROCEDURES AND TECHNIQUES**
- 1:50 PM **O-169 SAFETY EVALUATION OF A NOVEL PROGESTERONE VAGINAL RING (PVR) IN LUTEAL PHASE SUPPORT: SARA TRIAL RESULTS.** Laurel Stadtmauer, MD, PhD¹, Vicki L Schnell, MD², John K Park, MD³, Cristin C Slater, MD⁴, Eric D Foster, PhD⁵, Sarah A Grover, MBBS⁵ and Patrick W Heiser, PhD⁵, ¹Jones Institute, Norfolk, VA, ²Center of Reproductive Medicine, Houston, TX, ³Carolina Conceptions, Raleigh, NC, ⁴Idaho Center for Reproductive Medicine, Boise, ID, ⁵Ferring Pharmaceuticals, Inc, Parsippany, NJ
- 2:05 PM **O-170 SECOND GENERATION ARTIFICIAL INTELLIGENCE TECHNOLOGY FOR PREIMPLANTATION GENETIC TESTING (PGT) IMPROVES PREGNANCY OUTCOMES IN SINGLE THAWED**

ORAL ABSTRACTS

EUPLOID EMBRYO TRANSFER CYCLES

(STEET). Julia Buldo-Licciardi, M.D.¹, Mike Large, Ph.D.², David H. McCulloh, Ph.D.³, Caroline McCaffrey, PhD⁴ and James A Grifo, MD, PhD⁵, ¹Hackensack University Medical Center, Hackensack, NJ, ²CooperSurgical, Houston, TX, ³NYU Langone Fertility Center, New York, NY, ⁴NYU Langone School of Medicine, New York, NY, ⁵NYU Langone Prelude Fertility Center, New York, NY

- 2:20 PM **O-171 USE OF FROZEN DONOR OOCYTES ARE ASSOCIATED WITH A DECREASED LIVEBIRTH RATE COMPARED TO FRESH DONOR OOCYTES: A SART DATABASE ANALYSIS.** Channing Burks, MD¹, Kristin Van Heertum, MD², Alexandra C Purdue-Smithe, PhD³, Sunni L Mumford, PhD³ and Rachel S Weinerman, MD¹, ¹University Hospitals Fertility Center/ Case Western Reserve University, Beachwood, OH, ²Nashville Fertility Center, Nashville, TN, ³NICHD, Bethesda, MD

- 2:35 PM **O-172 FIRST REGISTERED PILOT TRIAL TO VALIDATE THE SAFETY AND EFFECTIVENESS OF MATERNAL SPINDLE TRANSFER TO OVERCOME INFERTILITY ASSOCIATED WITH POOR OOCYTE QUALITY.** Nuno Costa-Borges, PhD¹, Eros Nikitos, MSc², Katharina Spath, PhD³, Klaus Rink, PhD¹, Konstantinos Kostaras, MD, PhD², Ioannis Zervomanolakis, MD², George Kontopoulos, MD², Panagiotis Polyzos, MD², Stylianos Grigorakis, MD², Thomas Prokopakis, MD², Yannis Vasilopoulos, MD², Nikos Vlahos, MD, PhD², Dominique de Ziegler, MD², Dagan Wells, Ph.D.⁴, Panagiotis Psathas, MD PhD² and Gloria Calderón, PhD¹, ¹Embryotools, Barcelona, Spain, ²Institute of Life, Athens, Greece, ³Juno Genetics, Oxford, United Kingdom, ⁴University of Oxford, Oxford, United Kingdom

- 2:50 PM **O-173 ONLY SEGMENTAL OR MOSAIC ANEUPLOID EMBRYOS AVAILABLE FOR TRANSFER: A RARE**

PHENOMENON IN PREIMPLANTATION GENETIC TESTING FOR ANEUPLOIDY (PGT-A) CYCLES USING TARGETED NEXT GENERATION SEQUENCING

(NGS). Tarek K Khader, MD¹, Julia G Kim, MD, MPH², Jason M Franasiak, MD, HCLD/ALD³, Yiping Zhan, Ph.D⁴, Emre Seli, MD² and Richard Thomas Scott Jr., MD², ¹Yale School of Medicine, New Haven, CT, ²IVI RMA New Jersey, Basking Ridge, NJ, ³IVI-RMA New Jersey, Basking Ridge, NJ, ⁴The Foundation for Embryonic Competence, Basking Ridge, NJ

- 3:05 PM **O-174 ENHANCING CELL INJECTION SYSTEMS BY REAL TIME CONFIRMATION OF CYTOPLASMIC PENETRATION.** Amir Mor, MD PhD¹, Lauren Gatenby, B.S.², Emily Dzekunskas, BS², Linkai Zhu, PhD², Kenneth Bondioli, PhD², Zongliang Jiang, Ph.D² and Emre Seli, M.D.¹, ¹Yale School of Medicine, New Haven, CT, ²Louisiana State University, Baton Rouge, LA

OD3-10 REPRODUCTIVE BIOLOGY: ANIMAL AND EXPERIMENTAL STUDIES

- 1:50 PM **O-175 MANUFACTURING OOCYTES THROUGH SOMATIC CELL NUCLEAR TRANSFER.** Aysha Trout, B.A., Philip Xie, B.S., Robert Setton, M.D., Zev Rosenwaks, M.D. and Gianpiero D. Palermo, M.D., Ph.D., The Ronald O. Perelman and Claudia Cohen Center for Reproductive Medicine, Weill Cornell Medicine, New York, NY

- 2:05 PM **O-176 EFFECTS OF COENZYME Q10 ON OVARIAN FUNCTION AND OF OVARIAN STEM CELLS IN VCD-INDUCED MOUSE MODEL OF PERIMENOPAUSE.** Bosun Joo, PhD¹, Kyu-Sup Lee, MD, PhD², Chang-Woon Kim, MD, PhD³, Chul Hee Yoon, MD⁴, Ji-Myeong Choi, BS⁵, Sang Heui Jung, BS³ and Min Jung Park, PhD⁶, ¹Pohang Women's Hospital, Pohang, Korea, Republic of (South), ²Pusan National University School of Medicine, Busan, Korea,

ORAL ABSTRACTS

- Republic of (South), ³Samsung Changwon Hospital, Changwon, Korea, Republic of (South), ⁴Pohang Women's Hospital, Pohang city, Korea, Republic of (South), ⁵LabToMedi CRO, Yangsan, Korea, Republic of (South), ⁶The Korea Institute for Public Sperm Bank, Busan, Korea, Republic of (South)
- 2:20 PM **O-177 A NON-HUMAN PRIMATE MODEL OF OVARIAN ISCHEMIA AND REPERFUSION REVEALS PHYSIOLOGICAL HYPOXIA IN THE PRIMORDIAL FOLLICLES.** Adam J Krieg, Ph.D., Melinda J Murphy, B.S. and Alison Ting, Ph.D., Oregon National Primate Research Center, Beaverton, OR
- 2:35 PM **O-178 SURVIVIN-SODIUM IODIDE SYMPORTER REPORTER AS A NON-INVASIVE DIAGNOSTIC MARKER TO DIFFERENTIATE BETWEEN UTERINE LEIOMYOSARCOMA VERSUS LEIOMYOMA.** Natalia Garcia, PhD¹, Mohamed Ali, B.Pharm, MSc¹, Mara Ulin, MD¹, Maaten Bosland, PhD², Weiqiao Zeng, PhD¹, Liaohai Chen, PhD¹ and Ayman Al-Hendy, MD, PhD¹, ¹The University of Illinois College of Medicine, Chicago, IL, ²University of Illinois at Chicago, Chicago, IL
- 2:50 PM **O-179 OVARIAN AGING AND REPRODUCTIVE SENESCENCE IN MOUSE MODEL OF MITOCHONDRIAL DYSFUNCTION.** Jasmine L Chiang, MD¹, Noha Ahmed, MD, PhD¹, Jeremy B Foote, DVM, PhD¹, Nripesh Prasad, PhD², Srinivasu Karri, PhD¹, Kelly Pagidas, MD³, Ashley M Wiltshire, MD¹, Deidre Gunn, MD¹ and Keshav K Singh, PhD¹, ¹University of Alabama at Birmingham, Birmingham, AL, ²HudsonAlpha Discovery, Huntsville, AL, ³TCM University, Lincoln, RI
- 3:05 PM **O-180 INVESTIGATION OF APOPTOSIS AND FOLLICLE ACTIVATION BY PROTEOMICS IN AN EXPERIMENTAL MODEL OF CYCLOPHOSPHAMIDE-INDUCED FOLLICLE DEPLETION IN OVARIAN CULTURE.** Xia Hao, PhD student¹, Amandine Anastácio, PhD, PostDoc¹ and Kenny A. Rodriguez-Wallberg, MD, PhD, Associate Professor², ¹Laboratory of Translational Fertility Preservation, Karolinska Institutet, Stockholm, Sweden, ²Karolinska University Hospital and Karolinska Institutet, Stockholm, Sweden

ORAL ABSTRACTS

Tuesday, October 20, 2020

ORAL ABSTRACT SESSION 4

OD4-01 ART LAB: TECHNOLOGY

9:40 AM **O-181** **OPENING THE BLACK BOX: RELATION BETWEEN AI PREDICTED EMBRYO IMPLANTATION AND TRADITIONAL MORPHOKINETIC AND MORPHOLOGICAL ANNOTATIONS.**

Jørgen Berntsen, M.Sc., Jens Rimestad, M.Sc., Jacob Theilgaard Lassen, M.Sc. and Mikkel Fly Kragh, PhD, Vitrolife A/S, Viby, Denmark

9:55 AM **O-182** **COMPARISON OF PRONUCLEAR (PN) NUMBER OBSERVATIONS BASED ON EMBRYOLOGIST'S EXPERIENCE AND DETECTION BY ARTIFICIAL INTELLIGENCE (AI) TRAINED WITH DEEP LEARNING TECHNOLOGY.**

Hiroyuki Watanabe, M.S.¹, Noritaka Fukunaga, Ph.D.¹, Sho Sanami, Ph.D.², Hiroya Kitasaka, Ph.D.¹, Yuji Tsuzuki, M.S.², Yuta Kida, M.S.¹, Seiji Takeda, M.S.², Fumiya Kondo, M.S.¹, Sho Takeda, B.S.¹ and Yoshimasa Asada, M.D., Ph.D.¹, ¹Asada Ladies Clinic, Nagoya, Japan, ²Dai Nippon Printing Co., Ltd., Tokyo, Japan

10:10 AM **O-183** **NONINVASIVE DETECTION OF BLASTOCYST PLOIDY (EUPLOID VS. ANEUPLOID) USING ARTIFICIAL INTELLIGENCE (AI) WITH DEEP LEARNING METHODS** Josue Barnes, B.S.¹, Jonas Malmsten, D.P.S.¹, Qiansheng Zhan, Ph.D.¹, Iman Hajirasouliha, Ph.D.¹, Olivier Elemento, Ph.D.¹, Jose Sierra, Ph.D.², Nikica Zaninovic, Ph.D.¹ and Zev Rosenwaks, M.D.³, ¹Weill Cornell Medicine, New York, NY, ²QED Analytics LLC, Princeton, NJ, ³The Ronald O. Perelman and Claudia Cohen Center for Reproductive Medicine, Weill Cornell Medicine, New York, NY

10:25 AM **O-184** **EMBRYOLOGY LAB-ON-A-CHIP: AUTOMATED OOCYTE DENUDATION MICROFLUIDIC DEVICE.** Amir Mokhtare, M.S.¹, Philip Xie, B.S.²,

Alireza Abbaspourrad, Ph.D.¹, Zev Rosenwaks, M.D.² and Gianpiero D. Palermo, M.D., Ph.D.², ¹Cornell University, Ithaca, NY, ²The Ronald O. Perelman and Claudia Cohen Center for Reproductive Medicine, Weill Cornell Medicine, New York, NY

10:40 AM **O-185** **FLUORESCENCE LIFETIME IMAGING MICROSCOPY (FLIM) DETECTS DIFFERENCES IN METABOLIC SIGNATURES BETWEEN EUPLOID AND ANEUPLOID HUMAN BLASTOCYSTS.**

Jaimin S Shah, M.D.¹, Marta Venturas, M.Sc.², Tim H Sanchez, Ph.D.³, Alan S Penzias, M.D.¹, Dan Needleman, Ph.D.² and Denny Sakkas, PhD⁴, ¹Beth Israel Deaconess Medical Center/Harvard Medical School, Boston, MA, ²Harvard University, Cambridge, MA, ³None, ⁴Boston IVF, Waltham, MA

10:55 AM **O-186** **IT TAKES TWO TO DOUBLE WITNESS: EVALUATING THE REAL TIME REQUIRED FOR MANUAL VERSUS ELECTRONIC DOUBLE WITNESSING IN THE *IN VITRO* FERTILIZATION (IVF) LABORATORY.**

Rebecca Holmes, PhD, HCLD¹, Kelly A Wirka, MS, TS (AAB)², Brooke Hayward, SM, MBA², Allison B Catherino, PhD² and Jason E Swain, PhD, HCLD³, ¹CCRM Boston, Newton, MA, ²EMD Serono, Inc. (a business of Merck KGaA, Darmstadt, Germany), Rockland, MA, ³CCRM Fertility Network, Lone Tree, CO

OD4-02 ENDOMETRIOSIS

9:40 AM **O-187** **EFFICACY AND SAFETY OF RELUGOLIX COMBINATION THERAPY IN WOMEN WITH ENDOMETRIOSIS-ASSOCIATED PAIN: PHASE 3 RANDOMIZED, DOUBLE-BLIND, PLACEBO-CONTROLLED STUDY (SPIRIT 2).**

Sawsan As-Sanie, MD, MPH¹, Christian M Becker, MD², Neil Johnson, MD³, Bruce Arthur Lessey, MD, PhD⁴, Mauricio S. Abrao, MD⁵,

ORAL ABSTRACTS

- Eric L Brown, MD⁶, Krzysztof Wilk, MD⁷, Juan Camilo Arjona Ferreira, MD⁸, Vandana Mathur, MD, FASN⁹, Yulan Li, PhD⁸, Qurratul Ann Warsi, MD, MAS⁸, Rachel B Wagman, MD⁸ and Linda C Giudice, MD, PhD¹⁰,
¹University of Michigan Medical Center, Ann Arbor, MI, ²University of Oxford, Oxford, United Kingdom, ³Robinson Research Institute, University of Adelaide, Australia, ⁴Wake Forest Baptist Health, NC, ⁵Gynecologic Division, BP - A Beneficencia Portuguesa de Sao Paulo, Sao Paulo, Brazil, ⁶Medi-Sense, Inc., Atlanta, GA, ⁷Boni Fratres Hospital Obstetrics and Gynecology Department Katowice, Katowice, Poland, ⁸Myovant Sciences, Inc., Brisbane, CA, ⁹MathurConsulting, Woodside, Woodside, CA, ¹⁰University of California, San Francisco, San Francisco, CA
- 9:55 AM **O-188 QUINAGOLIDE VAGINAL RING FOR ENDOMETRIOSIS: RESULTS FROM THE CLINICAL PHASE 1 PROGRAM.** Yu Bagger, MD and Joan-Carles Arce, MD, PhD, Ferring Pharmaceuticals, Copenhagen, Denmark
- 10:10 AM **O-189 ENDOMETRIOSIS STROMAL CELLS INDUCE BONE MARROW MESENCHYMAL STEM CELLS DIFFERENTIATION AND PD-1 EXPRESSION THROUGH PARACRINE SIGNALING.** Ramanaiah Mamillapalli, PhD, Chen Peng, MD, PhD, Shutaro Habata, MD, PhD and Hugh S. Taylor, M.D., Yale University School of Medicine, New Haven, CT
- 10:25 AM **O-190 ESTRADIOL IS ASSOCIATED WITH DECREASED CARDIOVASCULAR RISK COMPARED TO ETHINYLESTRADIOL WHEN CONTAINED IN COMBINED HORMONAL PREPARATIONS: IMPLICATIONS FOR THE DEVELOPMENT OF NEW ENDOMETRIOSIS THERAPIES.** Sophia von Stockum, PhD, Clare Barnett, MBBS (Hons), MPH, Anja Bauerfeind, PhD and Klaas Heinemann, MD, PhD, MBA, ZEG Berlin GmbH, Berlin, Germany
- 10:40 AM **O-191 HOW SHOULD WE MANAGE WOMEN WITH MILD, MODERATE, AND SEVERE ENDOMETRIOSIS IN LIGHT OF UNCERTAINTY ABOUT THE EFFECTIVENESS AND SAFETY OF LAPAROSCOPIC SURGERY? A COCHRANE REVIEW UPDATE TO INFORM FUTURE DEBATE AND CLINICAL PRACTICE.** Celine Bafort, MD¹, Yusuf Beebeejaun, MRCOG MHDl MBBS BSc(Hons)², Carla Tomassetti, MD, PhD¹, Jan Bosteels, MD, PhD³ and James M N Duffy, DPhil MRes PG HCL MBChB BSc (Hons)⁴, ¹University Hospitals Leuven, Leuven, Belgium, ²King's College London, London, United Kingdom, ³Imeldalaan, Bonheiden, Belgium, ⁴Institute for Women's Health, University College London, Greater London, United Kingdom
- 10:55 AM **O-192 INCREASED CELLULAR SENESCENCE IN DEEP INFILTRATING ENDOMETRIOSIS.** Helena Malvezzi, MSc¹, Camila Hernandes, PhD¹, Bruna C de Azevedo, PhD¹, Carla A Piccinato, PhD¹, Juliana Meola, PhD² and Sérgio Podgaec, M.D. PhD¹, ¹Albert Einstein Hospital, São Paulo, Brazil, ²Universidade de São Paulo, Ribeirão Preto, Brazil
- OD4-03 FEMALE REPRODUCTION**
- 9:40 AM **O-193 COPY NUMBER LOSSES IN SPECIFIC REGIONS OF COMMON VARIATION ARE SIGNIFICANTLY MORE PREVALENT IN INFERTILITY PATIENTS COMPARED WITH A POPULATION OF DEMONSTRATED FERTILITY AND LOW FETAL WASTAGE.** Edward Robert Wassman Jr., MD¹, Rakesh Chettier, MS², Lesa M. Nelson, BS¹, Moises A. Serrano, PhD, DABMGG¹, Dane Zdunich, BS¹ and Kenneth Ward, MD², ¹Predictive Laboratories, Salt Lake City, UT, ²Juneau Biosciences, LLC, Salt Lake City, UT
- 9:55 AM **O-194 INFERTILITY AND RISK OF PREMATURE MORTALITY: A PROSPECTIVE COHORT STUDY.** Yixin Wang, MD¹, Leslie V. Farland, Sc.D.², Stacey A Missmer,

ORAL ABSTRACTS

- ScD³, Janet Rich-Edwards, PhD⁴, Audrey J Gaskins, ScD⁵ and Jorge E Chavarro, MD, Sc.D.¹, ¹Harvard T.H. Chan School of Public Health, Boston, MA, ²University of Arizona, Tucson, AZ, ³College of Human Medicine, Michigan State University, Grand Rapids, MI, ⁴Brigham and Women's Hospital, Boston, MA, ⁵Emory University, Rollins School of Public Health, Atlanta, GA
- 10:10 AM **O-195** **EVALUATING THE RISK OF UNEXPLAINED INFERTILITY IN WOMEN WITH RHEUMATOID ARTHRITIS AND SYSTEMIC LUPUS ERYTHEMATOSUS.** Yael Klionsky, MD¹, Alexander Kotlyar, MD² and Hugh S. Taylor, M.D.³, ¹Wake Forest School of Medicine, Winston-Salem, NC, ²Yale School of Medicine, Orange, CT, ³Yale University School of Medicine, New Haven, CT
- 10:25 AM **O-196** **CHARACTERIZATION OF PITUITARY AND OVARIAN HORMONE CONCENTRATIONS DURING TREATMENT WITH RELUGOLIX COMBINATION THERAPY.** Ingrid Duijkers, MD, PhD¹, Elizabeth M Migoya, Pharm D², Juan Camilo Arjona Ferreira, MD³ and Christine Klipping, MD, PhD⁴, ¹dinox consultancy bv, Groningen, Netherlands, ²Myovant Sciences Inc., Brisbane, CA, ³Chief Medical Officer, Brisbane, CA, ⁴Dinox BV, Berlin, Germany
- 10:40 AM **O-197** **CELL-LEVEL EXPRESSION OF SARS-COV-2 CELL ENTRY FACTORS IN HUMAN ENDOMETRIUM DURING THE PRECONCEPTION PERIOD.** Felipe Vilella, PhD¹, Wanxin Wang, PhD², Inmaculada Moreno, PhD³, Stephen R Quake, DPhil⁴ and Carlos Simón, MD, PhD⁵, ¹Igenomix Foundation/INCLIVA, Valencia, Spain; Department of Obstetrics and Gynecology, BIDMC, Harvard University, Boston, MA- USA Boston, U.S.A., Paterna, Spain, ²Stanford University, Stanford, CA, ³Igenomix Foundation / INCLIVA, Valencia, Paterna, Spain, ⁴Chan Zuckerberg
- Biohub, San Francisco, CA, ⁵Igenomix Foundation, INCLIVA, Valencia, Spain; Department of Obstetrics and Gynecology, Valencia University, Valencia, Spain; Department of Obstetrics and Gynecology, BIDMC, Harvard University, Boston, MA- USA Boston, U.S.A., Valencia, Spain
- 10:55 AM **O-198** **HIGH PREVALENCE OF MEASLES NON-IMMUNITY IN REPRODUCTIVE AGE WOMEN.** Claire M Smith, MSN, RN¹, Sedona Speedy, MD² and Christina E Boots, MD, MSCI³, ¹Northwestern Medicine, Chicago, IL, ²Northwestern University, Chicago, IL, ³Northwestern Feinberg School of Medicine, Chicago, IL
- OD4-04 FERTILITY PRESERVATION**
- 9:40 AM **O-199** **MAJORITY OF WOMEN UNDERGOING ELECTIVE OOCYTE CRYOPRESERVATION DO NOT ATTAIN OPTIMAL NUMBER OF OOCYTES CRYOPRESERVED FOR REASONABLE LIKELIHOOD OF FUTURE LIVE BIRTH.** Amy Wijekoon, MD, Heather G. Huddleston, MD, Marcelle I Cedars, MD and Eleni Greenwood Jaswa, MD, MSc, University of California San Francisco, San Francisco, CA
- 9:55 AM **O-200** **PLANNED OOCYTE CRYOPRESERVATION – 10-15 YEAR FOLLOW-UP: RETURN RATES AND CYCLE OUTCOMES.** Jennifer K Blakemore, MD¹, James A Grifo, MD, PhD², Shannon Devore, MD¹, Brooke Hodes-Wertz, MD, MPH³ and Alan S Berkeley, MD⁴, ¹NYU Langone School of Medicine, New York, NY, ²NYU Langone Prelude Fertility Center, New York, NY, ³NYU Langone Prelude Fertility Center, New York, NJ, ⁴New York University School of Medicine, New York, NY
- 10:10 AM **O-201** **PREDICTING THE PROBABILITY OF HAVING ONE EUPLOID BLASTOCYST IN ELECTIVE OOCYTE CRYOPRESERVATION CYCLES: A COUNSELING RESOURCE.** Patrizia Rubino, MS¹, Luca Pagliardini, BS², Eric Urcia, MS³, Charlotte Khoury,

ORAL ABSTRACTS

- MS⁴, John Wilcox, MD, FACOG¹, Bradford Kolb, MD, FACOG¹, Jeffrey R. Nelson, DO FACOOG¹, John M Norian, MD FACOG¹, Robert Boostanfar, MD FACOG³, Daniel A. Potter, MD FACOG⁴ and Tih Tan, MS¹, ¹HRC Pasadena, Pasadena, CA, ²IRCCS San Raffaele Scientific Institute, Milano, Italy, ³HRC Encino, Encino, CA, ⁴HRC Newport Beach, Newport Beach, CA
- 10:25 AM **O-202** **SOCIO-DEMOGRAPHIC DISPARITIES IN UTILIZATION OF FERTILITY SERVICES AMONG REPRODUCTIVE AGE WOMEN DIAGNOSED WITH CANCER IN THE US: A SECONDARY ANALYSIS OF THE 2011-2017 NATIONAL SURVEY FOR FAMILY GROWTH (NSFG)** Paxton E Voigt, BA¹, Jesse Benjamin Persily, BA², Sameer Thakker, BA¹, Jennifer K Blakemore, MD³, Frederick L. Licciardi, M.D.⁴ and Bobby B Najari, MD MSc², ¹NYU Langone School of Medicine, New York, NY, ²New York University School of Medicine, New York, NY, ³NYU Langone Prelude Fertility Center, New York, NY, ⁴NYU Langone Health, New York, NY
- 10:40 AM **O-203** **THE USE OF OOCYTE CRYOPRESERVATION (OC) FOR FERTILITY PRESERVATION (FP) IN GIRLS WITH SEX CHROMOSOME DISORDERS (SCD): A CASE SERIES DESCRIBING OUTCOMES.** Rachel A Martel, BA¹, Jennifer K Blakemore, MD² and Mary Elizabeth Fino, MD², ¹NYU Grossman School of Medicine, Manhattan, NY, ²NYU Langone Prelude Fertility Center, New York, NY
- 10:55 AM **O-204** **OOCYTE CRYOPRESERVATION VERSUS OVARIAN TISSUE CRYOPRESERVATION AS FERTILITY PRESERVATION FOR ADULT WOMEN UNDERGOING GONADOTOXIC THERAPY: A COST-EFFECTIVENESS ANALYSIS.** Esther H. Chung, MD¹, Stephanie L Lim, MD¹, Haley A Moss, MD, MBA² and Kelly S Acharya, MD³, ¹Duke University Medical Center, Durham, NC, ²Division of Gynecologic Oncology, Duke University Medical Center, Durham, NC, ³Division of Reproductive Endocrinology and Infertility, Duke University Medical Center, Durham, NC
- OD4-05 FIBROIDS**
- 9:40 AM **O-205** **QUALITY-OF-LIFE IMPROVEMENT WITH RELUGOLIX COMBINATION THERAPY IN PATIENTS WITH HEAVY MENSTRUAL BLEEDING ASSOCIATED WITH UTERINE FIBROIDS: RESULTS FROM THE LIBERTY PHASE 3 PROGRAM.** Ayman Al-Hendy, MD, PhD¹, Elizabeth A Stewart, MD², Roberta Venturella, MD, PhD³, Alfred Poindexter III, MD⁴, Claudio Villarroel, MD⁵, Jennifer Kang, MS, MPH⁶, Rachel B Wagman, MD⁷, Elke Hunsche, PhD⁸ and Andrea S Lukes, MD, MHSc⁹, ¹Department of Surgery, University of Illinois at Chicago, Chicago, IL, ²Mayo Clinic Department of OB/GYN, Reproductive Endocrinology and Infertility, Rochester, MN, ³Magna Graecia University of Catanzaro, Catanzaro, Italy, ⁴Advances In Health, Houston, TX, ⁵Institute for Mother and Child Research (IDIMI), Faculty of Medicine, University of Chile, Santiago, Chile, ⁶Myovant Sciences, Inc., Brisbane, CA, ⁷Myovant Sciences Inc., Brisbane, CA, ⁸Myovant Sciences GmbH, Basel, Switzerland, ⁹Carolina Women's Research and Wellness Center, Durham, NC
- 9:55 AM **O-206** **RELUGOLIX COMBINATION THERAPY SIGNIFICANTLY REDUCED MENSTRUAL BLOOD LOSS WITH FIRST TREATMENT CYCLE IN WOMEN WITH HEAVY MENSTRUAL BLEEDING ASSOCIATED WITH UTERINE FIBROIDS: RESULTS FROM THE LIBERTY PHASE 3 PROGRAM.** Roberta Venturella, MD, PhD¹, Ayman Al-Hendy, MD, PhD², Andrea S Lukes, MD, MHSc³, Jennifer Kang, MS, MPH⁴, Laura McKain, MD⁴ and Elizabeth A Stewart, MD⁵, ¹Magna Graecia University of Catanzaro, Catanzaro, Italy, ²Department of Surgery, University of Illinois at Chicago, Chicago, IL, ³Carolina Women's Research and Wellness Center, Durham, NC, ⁴Myovant Sciences, Inc., Brisbane, CA, ⁵Mayo Clinic Department

ORAL ABSTRACTS

- of OB/GYN, Reproductive Endocrinology and Infertility, Rochester, MN
- 10:10 AM **O-207** **RECTAL VERSUS SUBLINGUAL MISOPROSTOL IN DECREASING BLOOD LOSS DURING ABDOMINAL MYOMECTOMY: A RANDOMIZED CLINICAL TRIAL.** Ahmed M Abbas, MD, Sara M Tolba, MBBCh, Ahmed M. Abdelmagied, MD, Tarek Farghaly, MD and Ahmed Nasr, MD, Department of Obstetrics and Gynecology, Faculty of Medicine, Assiut University, Assiut, Egypt
- 10:25 AM **O-208** **A NOMOGRAM PREDICTING THE LIKELIHOOD OF INCOMPLETE REMOVAL OF SUBMUCOUS MYOMAS IN PATIENTS UNDERGOING HYSTEROSCOPIC MYOMECTOMY.** Fabio Barra, MD¹, Franco Alessandri, MD², Maria Grazia Centurioni, MD², Michele Altieri, MD¹, Umberto Leone Roberti Maggiore, MD, PhD³, Carolina Scala, MD⁴, Salvatore Giovanni Vitale, MD PhD⁵ and Simone Ferrero, MD PhD¹, ¹IRCCS Ospedale Policlinico San Martino, Genova, Italy, ²IRCCS Ospedale Policlinico San Martino, Genoa, Italy, ³Department of Gynecologic Oncology, IRCCS National Cancer Institute, Milan, Italy, ⁴Istituto G. Gaslini, Genova, Italy, ⁵University of Catania, Catania, Italy
- 10:40 AM **O-209** **COLLAGENASE CLOSTRIDIUM HISTOLYTICUM-TREATED UTERINE FIBROIDS SHOW REDUCTION OF TISSUE STIFFNESS AND CELL PROLIFERATION, AND INDUCTION OF CELL DEATH THROUGH AUTOPHAGY AND NECROPTOSIS, AND ALTERATION OF HIPPO SIGNALING.** Md Soriful Islam, PhD¹, Friederike L Jayes, DVM, PhD², Bhuchitra Singh, MD, MPH, MS¹, Joshua T Brennan, MPH¹, Phyllis C Leppert, MD, PhD² and James H Segars, MD¹, ¹Johns Hopkins University School of Medicine, Baltimore, MD, ²Duke University, Durham, NC
- 10:55 AM **O-210** **PRO-INFLAMMATORY AND IMMUNOSUPPRESSIVE ENVIRONMENT CONTRIBUTES TO THE DEVELOPMENT AND PROGRESSION OF UTERINE FIBROIDS.** Hoda Elkafas, B. Pharm, MSc¹, Maria Victoria Bariani, Ph.D.¹, Mohamed Ali, BPharm, MSc¹, Lauren Prusinski Fernung, M.D., Ph.D.², Balasubashini Muralimanohara, Ph.Dm³, Hailian Shen, MD/PhD³, Tom Boyer, Ph.D.³, Qiwei Yang, PhD¹, Ayman Al-Hendy, MD, PhD¹ and Nahed Ismail, MD, Ph.D.⁴, ¹University of Illinois at Chicago, Chicago, IL, ²Medical College of Georgia at Augusta University, Augusta, GA, ³University of Texas Health Science Center at San Antonio, San Antonio, TX, ⁴University of Illinois at Chicago, Chicago, IL
- OD4-06 MENOPAUSE AND PRIMARY OVARIAN INSUFFICIENCY**
- 1:50 PM **O-211** **FORECASTING EARLY ONSET DIMINSHED OVARIAN RESERVE FOR YOUNG REPRODUCTIVE AGE WOMEN.** Blair R McCallie, BS, Mary E Haywood, PhD, Michelle M Denomme Tignanelli, PhD, Rachel Makloski, RN, William B Schoolcraft, MD and Mandy G Katz-Jaffe, PhD, Colorado Center for Reproductive Medicine, Lone Tree, CO
- 2:05 PM **O-212** **DOES A DIAGNOSIS OF UNEXPLAINED INFERTILITY IMPACT AGE AT MENOPAUSE? LONG TERM FOLLOW-UP FROM FASTT.** Denis A. Vaughan, MD¹, Marlene B. Goldman, ScD², June L. Fung, PhD², Katherine G. Koniaras, MD³, Carleigh B. Nesbit, DO⁴, Thomas L. Toth, MD⁵ and Richard H. Reindollar, MD², ¹Beth Israel Deaconess Medical Center, Boston, MA, ²Geisel School of Medicine at Dartmouth, Hanover, NH, ³Tufts Medical Center, Boston, MA, ⁴Dartmouth Hitchcock Medical Center, Lebanon, NH, ⁵Boston IVF, Waltham, MA
- 2:20 PM **O-213** **GRAVIDITY, PARITY, BREASTFEEDING AND AMH: FINDINGS FROM THE OVARIAN AGING AND RESERVE**

ORAL ABSTRACTS

- STUDY (SOAR).** Emma Giuliani, MD¹, Anne Waldo, MS¹, Lia Bernardi, MD², Mercedes Carnethon, PhD², Lisa M. Neff, MD² and Erica E. Marsh, MD, MSCI, FACOG¹, ¹University of Michigan, Ann Arbor, MI, ²Northwestern University, Chicago, IL
- 2:35 PM **O-214 ASSOCIATION BETWEEN OVARIAN RESERVE AND MENSTRUAL CYCLE LENGTH.** Benjamin S Harris, MD, MPH¹, Anne Z Steiner, MD, MPH² and Anne Marie Jukic, PhD³, ¹Division of Reproductive Endocrinology and Infertility, Duke University Medical Center, Durham, NC, ²Duke University, Durham, NC, ³National Institute of Environmental Health Sciences, Durham, NC
- 2:50 PM **O-215 INFLUENCE OF ARTHRITIS AND TREATMENTS ON OVARIAN RESERVE: A PROSPECTIVE STUDY.** Vinita M Alexander, MD¹, Jillian Ashley-Martin, PhD¹, Joan Riley, PhD, HCLD¹, Amber R Cooper, MD², Valerie Ratts, MD¹ and Emily S Jungheim, MD, MSCI³, ¹Washington University in St. Louis, St. Louis, MO, ²Vios Fertility Institute St Louis, St. Louis, MO, ³Northwestern Feinberg School of Medicine, Chicago, IL
- 3:05 PM **O-216 ENDOCRINE EFFECTS OF INTRAOVARIAN INJECTION OF PLATELET-RICH PLASMA (PRP) IN WOMEN WITH PREMATURE OVARIAN AGING.** David H Barad, MD, MS¹, David F Albertini, PhD, MS¹ and Norbert Gleicher, MD², ¹Center for Human Reproduction, New York, NY, ²Center for Human Reproduction, Foundation for Reproductive Medicine, Rockefeller University, Medical University Vienna, New York, NY
- M.D.³, ¹Department of OBGYN, North Shore University Hospital/Donald and Barbara Zucker School of Medicine at Hofstra/Northwell, Manhasset, NY, ²Department of Endocrinology/Diabetes and Metabolism, North Shore University Hospital/Donald and Barbara Zucker School of Medicine at Hofstra/Northwell, Manhasset, NY, ³Northwell Health Fertility, North Shore University Hospital/Donald and Barbara Zucker School of Medicine at Hofstra/Northwell, Manhasset, NY
- 2:05 PM **O-218 IS THE MID-LUTEAL PROGESTERONE CHECK AN EXAMPLE OF MEDICALIZATION IN THE TREATMENT OF SAME-SEX FEMALE COUPLES UNDERGOING DONOR SPERM INTRAUTERINE INSEMINATION?** Jenna Friedenthal, MD¹, Joseph A. Lee, BA², Noah Copperman, BS², Daniel E. Stein, MD¹, Tanmoy Mukherjee, MD¹ and Alan B Copperman, MD¹, ¹Icahn School of Medicine at Mount Sinai, New York, NY, ²Reproductive Medicine Associates of New York, New York, NY
- 2:20 PM **O-219 DECISION REGRET FOLLOWING FERTILITY PRESERVATION FOR THE TRANSGENDER INDIVIDUAL COMPARED TO THE CISGENDER WOMAN.** Viji Sundaram, MD¹, Brett Stark, MD¹, Eleni Greenwood Jaswa, MD, MSc² and Evelyn Mok-Lin, MD³, ¹University of California, San Francisco, Department of Obstetrics and Gynecology, San Francisco, CA, ²University of California San Francisco, San Francisco, CA, ³REI UCSF, Center for Reproductive Health, San Francisco, CA
- 2:35 PM **O-220 THE EFFECT OF ESTROGEN THERAPY ON SPERMATOGENESIS IN TRANSGENDER WOMEN.** Annika Sinha, MD and Cecile A Ferrando, MD, MPH, Cleveland Clinic Foundation, Cleveland, OH
- 1:50 PM **O-217 HOW DOES QUALITY OF LIFE IMPACT TRANSGENDER PATIENTS' INTEREST IN FERTILITY COUNSELING AND PRESERVATION?** Hillary Pearson, M.D.¹, Alixandra Domney, M.D., M.P.H.¹, Aren Skolnick, DO², Randi H. Goldman, M.D.³ and Christine Mullin,
- 2:50 PM **O-221 INITIAL EVALUATION OF SAFETY AND EFFICACY OF ADMINISTRATION OF ESTRADIOL (E2) BY SUBCUTANEOUS (SC) INJECTIONS TO MALE-TO-**

OD4-07 LGBTQ

ORAL ABSTRACTS

FEMALE (MTF) TRANSGENDER

PATIENTS. Jennifer A LaBudde, MD, Wendy Y Craig, PhD and Daniel I Spratt, MD, Maine Medical Center, Portland, ME

- 3:05 PM **O-222 A SURVEY STUDY OF THE LARGEST SERIES OF GAY AND BISEXUAL MEN PURSUING PARENTHOOD.** Philip J Cheng, MD¹, Mark Leondires, M.D.², Brent M Hanson, MD¹, Daniel J. Kaser, MD¹ and James Hotaling, MD³, ¹IVI-RMA New Jersey, Basking Ridge, NJ, ²Reproductive Medicine Associates of Connecticut, Norwalk, CT, ³University of Utah School of Medicine Andrology and IVF Laboratories, Salt Lake City, UT

OD4-08 OVARIAN STIMULATION

- 1:50 PM **O-223 DIFFERENTIAL OVARIAN RESPONSE TO GONADOTROPIN PREPARATIONS DESPITE SIMILAR OVARIAN RESERVE: MENOPUR IN GnRH (GONADOTROPIN RELEASING HORMONE) ANTAGONIST SINGLE EMBRYO TRANSFER - HIGH RESPONDER (MEGASET-HR) TRIAL ANALYSIS.** Andrew F Khair, PhD, MBA, Eric D Foster, PhD, Anshul Sinha, B.Tech, Okan Umit Elci, PhD, Gaurang S Daffary, MD, MBA and Patrick W Heiser, PhD, Ferring Pharmaceuticals, Inc, Parsippany, NJ

- 2:05 PM **O-224 SERUM GONADOTROPIN ASSOCIATION WITH LIVE BIRTH IN HIGH-RESPONDERS UNDERGOING OVARIAN STIMULATION: MENOPUR IN GONADOTROPIN RELEASING HORMONE (GnRH) ANTAGONIST SINGLE EMBRYO TRANSFER - HIGH RESPONDER (MEGASET-HR) TRIAL ANALYSIS.** Sarah A Grover, MBBS, Eric D Foster, PhD, Anshul Sinha, B.Tech, Okan Umit Elci, PhD, Gaurang S Daffary, MD, MBA and Patrick W Heiser, PhD, Ferring Pharmaceuticals, Inc, Parsippany, NJ

- 2:20 PM **O-225 FRESH VERSUS FROZEN EUPLOID BLASTOCYST TRANSFER OUTCOMES IN PREDICTED HIGH-RESPONDERS: MENOPUR IN GnRH**

(GONADOTROPIN RELEASING HORMONE) ANTAGONIST SINGLE EMBRYO TRANSFER - HIGH RESPONDER (MEGASET-HR) TRIAL ANALYSIS. Patrick W Heiser, PhD¹, Jack L Crain, MD², Lauren Johnson, MD, MSCE², Jennifer L Patrick, MS, PhD², Eric D Foster, PhD¹, Anshul Sinha, B.Tech¹, Okan Umit Elci, PhD¹ and Gaurang S Daffary, MD, MBA¹, ¹Ferring Pharmaceuticals, Inc, Parsippany, NJ, ²Reproductive Endocrinology Associates of Charlotte, Charlotte, NC

- 2:35 PM **O-226 EFFECT OF HOSPITAL VOLUME ON THE INCIDENCE OF MAJOR COMPLICATIONS IN PATIENTS HOSPITALIZED WITH OVARIAN HYPERSTIMULATION SYNDROME.** Rachel S Mandelbaum, MD¹, Liat Bainvoll, BS², Meghan Brooke Smith, MD¹, Shinya Matsuzaki, MD, PhD¹, Jacqueline Ho, MD MS¹, Kristen Bendikson, MD¹, Richard J Paulson, MD, MS¹, Jason D. Wright, MD³ and Koji Matsuo, MD, PhD¹, ¹University of Southern California, Los Angeles, CA, ²Keck School of Medicine at USC, Los Angeles, CA, ³Columbia University Medical Center, New York, NY

- 2:50 PM **O-227 PROLONGING FOLLICULAR STIMULATION TO OPTIMIZE OOCYTE YIELD DOES NOT COMPROMISE IMPLANTATION POTENTIAL OF SCREENED EMBRYOS.** Jenna Friedenthal, MD¹, Sydney Chang, MD¹, Dmitry Gounko, MA², Joseph A. Lee, BA², Alan B Copperman, MD¹ and Tanmoy Mukherjee, MD¹, ¹Icahn School of Medicine at Mount Sinai, New York, NY, ²Reproductive Medicine Associates of New York, New York, NY

- 3:05 PM **O-228 DOES THE TIMING OF CABERGOLINE ADMINISTRATION IMPACT RATES OF OHSS?** Eryn Sarah Rubenfeld, M.D.¹, Daniel Dahan, NA², Yehuda Dahan, NA² and Michael H. Dahan, M.D.¹, ¹Division of Reproductive Endocrinology and Infertility, McGill

ORAL ABSTRACTS

University Health Care Center,
 Montreal, QC, Canada, ²McGill
 University, Montreal, QC, Canada

Infertility, ¹Institute for Women's
 Health, University College London,
 Greater London, United Kingdom,
²University of Auckland, Auckland,
 New Zealand

OD4-09 MALE REPRODUCTION AND UROLOGY: RESEARCH

1:50 PM **O-229 FUNCTIONAL AND TAXONOMIC
 DYSBIOSIS OF THE GUT, URINE,
 AND SEMEN MICROBIOME IN
 MALE INFERTILITY.** Scott Lundy,
 MD PhD¹, Naseer Sangwan, PhD¹,
 Neel Parekh, MD¹, Manesh Panner
 Selvam, PhD¹, Sajal Gupta, MD¹,
 Peter McCaffrey, MD², Kovi Bessoff,
 MD, PhD², Ayin Vala, MS², Ashok
 Agarwal, PhD¹, Edmund Sabanegh,
 MD¹, Sarah C. Vij, MD¹ and Charis
 Eng, MD, PhD¹, ¹Cleveland Clinic,
 Cleveland, OH, ²Vastbiome,
 Millbrae, CA

2:05 PM **O-230 INCREASING PATERNAL AGE IS
 NEGATIVELY ASSOCIATED WITH
 DONOR OOCYTE RECIPIENT
 SUCCESS: A PAIRED ANALYSIS
 UTILIZING SIBLING OOCYTES.** Kelly
 McCarter, MD¹, Robert Setton, MD²,
 Alice Chung, BA², Zev Rosenwaks,
 M.D.² and Steven Spandorfer,
 MD², ¹Weill Cornell Medicine, New
 York, NY, ²The Ronald O. Perelman
 and Claudia Cohen Center for
 Reproductive Medicine, Weill
 Cornell Medicine, New York, NY

2:20 PM **O-231 POST-MORTEM EXAMINATION OF
 THE EFFECTS OF SEVERE ACUTE
 RESPIRATORY SYNDROME (SARS)
 ASSOCIATED CORONAVIRUS (SARS-
 COV) ON TESTIS.** Justin K Achua,
 MS, Kevin Y Chu, MD, Himanshu
 Arora, PhD, Oleksii Lakymenko, MD,
 Oleksandr N Kryvenko, MD and
 Ranjith Ramasamy, M.D., University
 of Miami Miller School of Medicine,
 Miami, FL

2:35 PM **O-232 TOP TEN PRIORITIES FOR MALE
 INFERTILITY RESEARCH.** James M N
 Duffy, DPhil MRes PG HCL MBChB
 BSc (Hons)¹, Cindy Farquhar,
 FRANZCOG FRCOG MD MPH²
 and Priority Setting Partnership for

2:50 PM **O-233 THRESHOLDS FOR TESTICULAR SIZE
 DISCREPANCY IN FERTILE MEN WITH
 AND WITHOUT VARICOCELE.** William
 T Berg, MD¹, Gabriella J Avellino,
 MA, MD¹, Kathleen Hwang, MD²
 and Mark Sigman, MD¹, ¹Brown
 University, Providence, RI, ²University
 Pittsburgh, Urology, Pittsburgh, PA

3:05 PM **O-234 EVALUATION OF SERUM
 17-HYDROXYPROGESTERONE
 AS PREDICTOR OF SEMEN
 PARAMETER IMPROVEMENT IN MEN
 UNDERGOING MEDICAL TREATMENT
 FOR INFERTILITY.** Thiago Fernandes
 Negrís Lima, MD¹, Premal Patel,
 M.D.², Ruben Blachman-Braun,
 M.D., M.Sc.³, Evgeniya Rakitina, MS³,
 Ranjith Ramasamy, MD¹ and 17ohp,
¹University of Miami, Miami, FL,
²University of Manitoba, Winnipeg,
 MB, Canada, ³University of Miami
 Miller School of Medicine, Miami, FL

OD4-10 PROFESSIONAL DEVELOPMENT

1:50 PM **O-235 DO OUTCOMES OF EMBRYO
 TRANSFERS DIFFER WHEN COMPLETED
 BY REPRODUCTIVE ENDOCRINOLOGY
 AND INFERTILITY (REI) FELLOWS
 VERSUS FACULTY? AN 11-YEAR
 RETROSPECTIVE REVIEW** Colleen
 Miller, M.D.¹, Samir Babayev, M.D.¹,
 Yulian Zhao, Ph.D.², Stephanie
 Duong, M.S.¹ and Amy Weaver,
 M.S.¹, ¹Mayo Clinic, Rochester,
 MN, ²Department of Obstetrics
 and Gynecology, Mayo Clinic,
 Rochester, MN

2:05 PM **O-236 EVALUATING TRENDS IN AUTHORSHIP
 BY GENDER WITHIN FERTILITY AND
 STERILITY, 2005-2019.** Chelsea
 Henshaw, MD, Jaden R Kohn, MD,
 MPH, Melissa McHale, MD, Kristin
 Darwin, MD, Holly Rankin, MD
 and Shari M Lawson, MD, MBA,
 Johns Hopkins University School of
 Medicine, Department of GYN/OB,

ORAL ABSTRACTS

Baltimore, MD

3:05 PM

O-240 AGE AND INFERTILITY: AN OPPORTUNITY FOR IMPROVING MEDICAL EDUCATION.

Kathryn Smith, B.S.¹, Anne P. Hutchinson, M.D.², Elaine O. Cheung, PhD³, Jessica L. Thomas, A.M.¹, Patricia I. Moreno, PhD³, Veronika Elisabeth Grote, B.S.³, Kara N. Goldman, M.D.², Neil Jordan, PhD⁴ and Eve C. Feinberg, M.D.²,
¹Northwestern University Feinberg School of Medicine, Chicago, IL, ²Northwestern University Feinberg School of Medicine, Department of Obstetrics and Gynecology, Division of Reproductive Endocrinology and Infertility, Chicago, IL, ³Northwestern University Feinberg School of Medicine, Department of Medical Social Sciences, Chicago, IL, ⁴Northwestern University Feinberg School of Medicine, Department of Psychiatry and Behavioral Sciences, Mental Health Services & Policy Program, Chicago, IL

2:20 PM

O-237 EXPERIENCE EQUALS EXPERTISE: OUTCOMES OF LIVE EMBRYO TRANSFERS (ET) BY REPRODUCTIVE ENDOCRINOLOGY AND INFERTILITY (REI) FELLOWS (FEL) COMPARED TO ATTENDING (ATT) PHYSICIANS.

Jacquelyn Shaw, MD¹, Carlos M Parra, MD², Jennifer K Blakemore, MD¹, Mary Elizabeth Fino, MD¹ and Frederick L. Licciardi, M.D.², ¹NYU Langone Prelude Fertility Center, New York, NY, ²NYU Langone Health, New York, NY

2:35 PM

O-238 FERTILITY PRESERVATION AND INFERTILITY TREATMENT IN MEDICAL TRAINING: AN ASSESSMENT OF RESIDENCY PROGRAM DIRECTORS' ATTITUDES ACROSS SPECIALTIES IN THE UNITED STATES.

Megan B Huynh, BS candidate¹, Ange Wang, MD² and Lusine Aghajanova, MD PhD³, ¹Georgetown University, Washington, DC, ²Stanford University School of Medicine, Stanford, DC, ³Stanford University, Stanford, CA

2:50 PM

O-239 IMPROVING RESIDENT EDUCATION AND MASTERY IN REPRODUCTIVE ENDOCRINOLOGY AND INFERTILITY FOR THE GENERALIST OB/GYN: A SURVEY-BASED STUDY.

Emma V Gilmore, MD¹, Jennifer K Blakemore, MD¹, Susan Maxwell, MD² and Shannon Devore, MD¹, ¹NYU Langone School of Medicine, New York, NY, ²Northwell Health, New York, NY

ORAL ABSTRACTS

Wednesday, October 21, 2020

ORAL ABSTRACT SESSION 5

OD5-01 REGENERATIVE MEDICINE AND STEM CELLS

- 9:40 AM **O-241 THE EMBRYONIC DEVELOPMENTAL COMPETENCE OF RECONSTRUCTED ZYGOTES USING A CLONED MALE GAMETE.** Philip Xie, B.S., Aysha Trout, B.A., Zev Rosenwaks, M.D. and Gianpiero D. Palermo, M.D., Ph.D., The Ronald O. Perelman and Claudia Cohen Center for Reproductive Medicine, Weill Cornell Medicine, New York, NY
- 9:55 AM **O-242 MALE NEOGAMETOGENESIS TO GENERATE FULLY DEVELOPED PREIMPLANTATION EMBRYOS.** Sherina Lawrence, B.S., Philip Xie, B.S., Mounia Haddad, M.D., Allison C Petrini, M.D., Zev Rosenwaks, M.D. and Gianpiero D. Palermo, M.D., Ph.D., The Ronald O. Perelman and Claudia Cohen Center for Reproductive Medicine, Weill Cornell Medicine, New York, NY
- 10:10 AM **O-243 SAFETY AND TOXICOLOGY STUDY AFTER INTRA-OVARIAN ENGRAFTMENT OF HUMAN BONE MARROW MESENCHYMAL STEM CELL IN CHEMOTHERAPY INDUCED POI MOUSE MODEL.** Hang-Soo Park, PhD¹, Rishi Man Chugh, PhD¹, Amro Elsharoud, MD¹, Mara Ulin, MD¹, Sahar Esfandyari, DVM¹, Lale Bakir, MD¹, Alshimaa Aboalsoud, MD - Ph D² and Ayman Al-Hendy, MD, PhD¹, ¹The University of Illinois College of Medicine, Chicago, IL, ²Faculty of medicine, Tanta university, Egypt, Tanta, Egypt
- 10:25 AM **O-244 BONE MARROW-DERIVED MESENCHYMAL STEM CELLS UPREGULATE ENDOMETRIAL STROMAL CELL MIGRATION BUT NOT PROLIFERATION.** Qingshi Zhao, PhD, Yahaira Naaldijk, PhD, Oleta A Sandiford, BS, Nicole M. Marchetto, MD, MPH, Nataki C. Douglas, MD, PhD, Pranela Rameshwar, PhD and Sara S. Morelli, MD, PhD, Rutgers New Jersey Medical School, Newark, NJ
- 10:40 AM **O-245 SINGLE CELL TRANSCRIPTOME ANALYSIS IDENTIFIES PUTATIVE CELL SURFACE MARKERS OF HUMAN SPERMATOGONIAL STEM CELLS.** Sarah Munyoki, B.A.¹, Adrienne N Shami, B.S.², Xianing Zheng, B.S.², Qianyi Ma, Ph.D.², Meena Sukhwani, Ph.D.³, Sue Hammoud, Ph.D.², Jun Z Li, Ph.D.² and Kyle Orwig, Ph.D.⁴, ¹University of Pittsburgh School of Medicine, Pittsburgh, PA, ²University of Michigan, Ann Arbor, MI, ³Magee-Womens Research Institute, Pittsburgh, PA, ⁴University of Pittsburgh, Pittsburgh, PA
- 10:55 AM **O-246 CHROMATIN ACCESSIBILITY, TRANSCRIPTIONAL NETWORKS, AND FATTY ACID (FA) SYNTHESIS DURING ADIPOGENESIS IN SUBCUTANEOUS (SC) ADIPOSE STEM CELLS (ASCS) OF POLYCYSTIC OVARY SYNDROME (PCOS) WOMEN.** Gregorio D Chazenbalk, Ph.D.¹, Smriti Sanchita, B.S.², Karen L Leung, B.S.¹, Catherine T. Pham, B.S.¹, Tristan R. Grogan, M.S.¹, Xinmin Li, Ph.D.¹, Xiangming Ding, Ph.D.¹, Matteo Pellegrini, Ph.D.¹, Marco Morselli, Ph.D.¹, Lucia Carbone, Ph.D.³, Brett Davis, M.S.³, Mariam Okhovat, Ph.D.⁴, Phillip A Dumesic, M.D., Ph.D.⁵, Kevin J Williams, Ph.D.¹ and Daniel A Dumesic, M.D.¹, ¹UCLA, Los Angeles, CA, ²UCLA, Los Angeles, CA, India, ³OHSU, Portland, OR, ⁴Oregon Health and Science University, Portland, OR, ⁵Dana-Farber Cancer Institute, Boston, CA

ORAL ABSTRACTS

OD5-02 THIRD PARTY REPRODUCTION

- 9:40 AM **O-247 INTRACERVICAL INSEMINATION AND INTRAUTERINE INSEMINATION FOR DONOR SPERM TREATMENT IN THE NATURAL CYCLE: A RANDOMIZED CONTROLLED TRIAL.** Petronella A.L. Kop, MD¹, M. van Wely, Dr. PhD¹, Alexandre Soufan, PhD¹, Annemieke Aagje de Melker, PhD¹, Ben W Mol, MD, PhD Prof², Rob Bernardus, MD Ph D³, Michael De Brucker, MD, PhD⁴, Pim MW Janssens, PhD⁵, Annemiek Nap, MD, PhD⁵, Ben J Cohlen, MD, PhD⁶, Jacqueline J.P.M. Pieters, MD, PhD⁷, Sjoerd Repping, Prof., PhD¹, F. van der Veen, Prof. MD. PhD.⁸ and Monique H Mochtar, MD, PhD¹, ¹Amsterdam UMC, University of Amsterdam, Center for Reproductive Medicine, Amsterdam Reproduction & Development Research Institute, Meibergdreef 9, Amsterdam, Amsterdam, Netherlands, ²Monash University, School of Medicine, Melbourne, VIC, Australia, ³Nij Barrahûs, Wolvega, Netherlands, ⁴University Hospital Brussels, Brussels, Belgium, ⁵Rijnstate, Arnhem, Netherlands, ⁶Isala, Zwolle, Netherlands, ⁷Vivaneo Medisch Centrum Kinderwens, Leiderdorp, Netherlands, ⁸Amsterdam University Medical Center, Amsterdam, Netherlands
- 9:55 AM **O-248 JUST OVER ONE-THIRD OF PATIENTS INTERESTED IN EMBRYO DONATION COMPLETE EMBRYO DONATION.** Olivia Carpinello, MD¹, B. Mitchell Bodily, MD², Samad Jahandideh, PhD³, Morine Cebert, Ph.D., RN⁴, Joshua C Combs, MD⁵, Micah J Hill, DO⁵, Alan H DeCherney, MD⁶ and Kate Devine, MD³, ¹Program in Reproductive Endocrinology and Gynecology, NICHD, NIH, Bethesda, MD, ²Uniformed Services University, Bethesda, MD, ³Shady Grove Fertility, Washington D.C., DC, ⁴University of Pennsylvania & Philadelphia VA Medical Center, Philadelphia, PA, ⁵Walter Reed National Military Medical Center, Bethesda, MD, ⁶Eunice Kennedy Shriver National Institute of Child Health and Human Development, Bethesda, MD
- 10:10 AM **O-249 HEALTHCARE PROVIDER PREFERENCES RELATED TO DISTRIBUTION OF GAMETE DONOR MEDICAL HISTORY UPDATES.** Lauren Isley, MS, CGC and Pamela Callum, MS, CGC, Generate Life Sciences, Los Angeles, CA
- 10:25 AM **O-250 REPRODUCTIVE OUTCOMES OF WOMEN 40 AND OLDER UNDERGOING IVF WITH DONOR SPERM.** Pietro Bortoletto, MD, Stephanie Willson, MD, Phillip A Romanski, MD, Owen Davis, M.D. and Zev Rosenwaks, M.D., The Ronald O. Perelman and Claudia Cohen Center for Reproductive Medicine, Weill Cornell Medicine, New York, NY
- 10:40 AM **O-251 ASSOCIATION OF OBSTETRIC AND NEONATAL OUTCOMES WITH GESTATIONAL CARRIER GUIDELINE ADHERENCE.** Brett Stark, MD¹, Amy Kaing, MD², Kate Swanson, MD² and Evelyn Mok-Lin, MD³, ¹University of California, San Francisco, Department of Obstetrics and Gynecology, San Francisco, CA, ²University of California San Francisco, San Francisco, CA, ³REI UCSF, Center for Reproductive Health, San Francisco, CA
- 10:55 AM **O-252 FAMILIES CREATED THROUGH EGG DONATION: PARENTAL PSYCHOLOGICAL HEALTH IN EARLY CHILDHOOD.** Joanna Lysons, MSc, Susan Imrie, PhD, Vasanti Jadva, PhD and Susan Golombok, PhD, University of Cambridge, Cambridge, United Kingdom
- 9:40 AM **O-253 HIGH-SENSITIVITY C-REACTIVE PROTEIN (HS-CRP) LEVEL AND PREGNANCY OUTCOMES IN WOMEN WITH UNEXPLAINED INFERTILITY UNDERGOING OVARIAN**

ORAL ABSTRACTS

- STIMULATION WITH INTRAUTERINE INSEMINATION (OS-IUI) IN A MULTICENTER TRIAL.** Sarah Z. Gavrizi, MD¹, Sushila Arya, MD¹, Jennifer D. Peck, PhD¹, Jennifer F Knudtson, MD², Karl R. Hansen, MD PhD¹ and Reproductive Medicine Network, ¹University of Oklahoma College of Medicine, Oklahoma City, OK, ²University of Texas Health Science Center San Antonio, San Antonio, TX
- 9:55 AM **O-254 PD-1 RECEPTOR AND LIGANDS ARE CONCENTRATED IN THE EXOSOME FRACTION OF HUMAN OVARIAN FOLLICULAR FLUID.** Thanh Ha Luu, MD, Evelyn Mercedes Llerena Cari, M.S., John Rushing, M.D., Liesl Nel-Themaat, Ph.D., HCLD, Alex J Polotsky, M.D., M.S. and Joshua Johnson, PhD, University of Colorado Anschutz Medical Campus, Aurora, CO
- 10:10 AM **O-255 DO ENDOMETRIAL NATURAL KILLER AND REGULATORY T CELLS DIFFER IN INFERTILE AND CLINICAL PREGNANCY PATIENTS? AN ANALYSIS IN PATIENTS UNDERGOING FROZEN EMBRYO TRANSFER CYCLES.** May-Tal Sauerbrun-Cutler, MD¹, Warren J Huber III, MD, PHD², Paula M Krueger, BS³, James Sung, MD⁴, Phinnara Has, MS⁵ and Surendra Sharma, MD PhD⁶, ¹Warren Alpert Medical School of Brown University; Women & Infants Hospital, Department of Obstetrics and Gynecology, Division of Reproductive Endocrinology and Infertility, Providence, RI, ²Department of Obstetrics and Gynecology, LSUHSC School of Medicine, New Orleans, LA, ³Warren Alpert Medical School of Brown University; Women & Infants Hospital, Department of Pediatrics, Providence, RI, ⁴Warren Alpert Medical School of Brown University; Women & Infants Hospital, Department of Pathology, Providence, RI, ⁵Warren Alpert Medical School of Brown University; Women & Infants Hospital, Department of Obstetrics and Gynecology, Division of Research, Providence, RI, ⁶Warren Alpert Medical School of Brown University; Women & Infants Hospital, Department of Pediatrics, Providence, RI
- 10:25 AM **O-256 DOES TESTING FOR IMMUNOLOGICAL MARKERS IN REPEATED IMPLANTATION FAILURE HAS A SIGNIFICANCE IN PROGNOSTICATING OUTCOMES OF FRESH NON DONOR IN VITRO FERTILIZATION CYCLES? - A PROSPECTIVE OBSERVATIONAL STUDY** Neeta Singh, MD¹, Monikha Siva, MBBS, MD², Alpana Sharma, MD³, Sunesh Kumar, MD⁴ and Perumal Vanamail, PhD⁵, ¹All India Institute of Medical Sciences, Obstetrics & Gynaecology, New Delhi, India, ²Junior Resident, New Delhi, India, ³Professor, New Delhi, India, ⁴Professor & Head Department of Obst. & Gynae, AIIMS, New Delhi, India, ⁵Additional Professor Statistics, New Delhi, India
- 10:40 AM **O-257 CH50 COMPLEMENT PATHWAY ADJUST BY ANTI MÜLLERIAN HORMONE LEVELS AT INFERTILITY PATIENTS.** Hector S Godoy, MD, Hilda Sanchez, MD, Jose M Lozano, MD, Griselda C Reyes, MD, Francisco M Rojas, MD and Berenice Flores, Physician, ART reproducción, CDMX, DF, Mexico
- 10:55 AM **O-258 INTRAUTERINE ADMINISTRATION OF PERIPHERAL BLOOD MONONUCLEAR CELLS INCREASES CLINICAL PREGNANCY RATES IN FROZEN-THAWED EMBRYO TRANSFER CYCLES OF PATIENTS WITH IMPLANTATION FAILURE.** Ghaya Merdassi, Dr¹, Mustapha BenKhalifa, PhD², Oualid Triki, Dr³, Khaled Boudhraa, Dr¹, Nizar ben Aissia, Dr¹, Khemais Ben Rhouma, Dr³, Sami Mahjoub, Dr¹ and Hatem Bahri, Dr¹, ¹Alyssa Fertility Group, tunis, Tunisia, ²- Faculty of sciences of Bizerte., Tunisia., ³Alyssa Fertility Group, Tunis, Tunisia

ORAL ABSTRACTS

OD5-04 IVF OUTCOME PREDICTORS 2

- 9:40 AM **O-259 THE EFFECT OF OBESITY ON EUPLOIDY RATES IN WOMEN UNDERGOING IN VITRO FERTILIZATION (IVF) WITH PREIMPLANTATION GENETIC TESTING (PGT).** Stephanie M Hallisey, MD¹, Reeva B Makhijani, MD², Jeffrey Thorne, MD³, Prachi N Godiwala, MD², John Nulsen, MD², Claudio A Benadiva, MD², Daniel R Grow, MD² and Lawrence Engmann, MD², ¹University of Connecticut Health Center, Center for Assisted Reproductive Services, Farmington, CT, ²Center for Advanced Reproductive Services, University of Connecticut School of Medicine, Farmington, CT, ³RMA of Philadelphia, King of Prussia, PA
- 9:55 AM **O-260 ADHERENCE TO ASRM SINGLE EMBRYO TRANSFER GUIDELINES IN FAVORABLE-PROGNOSIS PATIENTS UNDER 35 YEARS: A SART STUDY.** Julian A Gingold, MD, PhD¹, Michelle Kappy, MD¹, Rachel S Gerber, MD¹, Michelle Goodman, BS¹, Melissa Fazzari, PhD¹, Harry Lieman, MD¹, Manvinder Singh, MD¹, Staci E Pollack, MD, MS² and Sangita K Jindal, Ph.D.¹, ¹Albert Einstein College of Medicine/Montefiore Medical Center, Bronx, NY, ²Albert Einstein College of Medicine, Bronx, NY
- 10:10 AM **O-261 LESS IS MORE: SART CORS STUDY COMPARING OBSTETRICAL AND NEONATAL OUTCOMES WHEN TRANSFERRING 1 VERSUS ≥ 2 PGT-A EMBRYOS.** Michelle Kappy, MD¹, Rachel Schwartz Gerber, MD¹, Melissa Fazzari, PhD¹, Arielle H Bayer, MD¹, Julian A Gingold, MD, PhD¹, Michelle Goodman, BA², Harry Lieman, MD¹, Manvinder Singh, MD¹, Staci E Pollack, MD, MS² and Sangita K Jindal, Ph.D.¹, ¹Albert Einstein College of Medicine/Montefiore Medical Center, Bronx, NY, ²Albert Einstein College of Medicine, Bronx, NY
- 10:25 AM **O-262 ART TREATMENT HAS MINIMAL EFFECT ON COST OF HOSPITAL CARE IN CHILDREN TO AGE 4.** Dmitry Dukhovny, MD MPH¹, Sunah S Hwang, MD MPH², Daksha Gopal, MPH³, Howard J Cabral, PhD, MPH³, Hafsatou Diop, MD, MPH⁴ and Judy E Stern, PhD⁵, ¹Oregon Health & Science University, Portland, OR, ²University of Colorado School of Medicine, Aurora, CO, ³Boston University School of Public Health, Boston, MA, ⁴Massachusetts Department of Public Health, Boston, MA, ⁵Dartmouth-Hitchcock, Lebanon, NH
- 10:40 AM **O-263 CLOMIPHENE CITRATE EXPOSURE DOES NOT ADVERSELY AFFECT CLINICAL OUTCOMES IN SINGLE, EUPLOID FET CYCLES.** Carlos Hernandez-Nieto, MD¹, Joseph A. Lee, BA¹, Tamar Alkon-Meadows, MD¹, Martha Luna-Rojas, MD¹, Tanmoy Mukherjee, MD², Alan B Copperman, MD² and Benjamin Sandler, MD², ¹Reproductive Medicine Associates of New York, New York, NY, ²Icahn School of Medicine at Mount Sinai, New York, NY
- 10:55 AM **O-264 SIMILAR PERINATAL OUTCOMES IN CHILDREN BORN AFTER FRESH OR FROZEN EMBRYO TRANSFER USING DONATED OOCYTES.** Filipa Rafael, MD, MSc¹, Guillermo Mollá Robles, MSc², Alfredo Muñoz Navarro, PhD², Nicolas Garrido, PhD², Juan A Garcia-Velasco, MD, PhD³, Ernesto Bosch, MD, PhD⁴, Sofia Gouveia Nunes, PhD¹, Sérgio Reis Soares, MD, PhD¹ and Samuel Santos-Ribeiro, MD, PhD¹, ¹IVI-RMA Lisbon, Lisbon, Portugal, ²Fundación IVI, Valencia, Spain, ³IVI-RMA Madrid, Madrid, Spain, ⁴IVI Valencia, Valencia, Spain

POSTER PRESENTATIONS

Saturday, October 17, 2020

POSTER SESSIONS

PD1-01 POSTER SESSION: ACCESS TO CARE

- P-01 STATE INSURANCE MANDATES AND TRENDS IN PREIMPLANTATION GENETIC TESTING (PGT) UTILIZATION IN THE UNITED STATES.** Bronwyn S Bedrick, MD, MSCI¹, Andrew D. Tipping, MA², Katelin B Nickel, MPH³, Joan Riley, PhD, HCLD⁴, Tarun Jain, MD⁵ and Emily S Jungheim, MD, MSCI⁶, ¹Johns Hopkins University, Baltimore, MD, ²Center for Administrative Data Research, St. Louis, MO, ³Washington University School of Medicine, St. Louis, MO, ⁴Washington University School of Medicine, St. Louis, MO, ⁵Northwestern University, Chicago, IL, ⁶Northwestern Feinberg School of Medicine, Chicago, IL
- P-02 REDUCED WAITING TIMES AND IMPROVED EFFICIENCY FOR COUPLES ACCESSING PUBLIC, OUTPATIENT FERTILITY CLINICS IN THE NATIONAL MATERNITY HOSPITAL, DUBLIN, IRELAND.** Molly Walsh, MB BCh BAO¹, Maebeh Ann Horan, MB BCh BAO, MRCPI, MRCOG² and Mary Wingfield, MD FRCOG³, ¹The National Maternity Hospital, Dublin, Ireland, ²The Merrion Fertility Clinic, Dublin, Ireland, ³Merrion Fertility Clinic, Dublin, Ireland
- P-03 CONSIDERING LOCATION IN ACCESS TO INFERTILITY SERVICES.** Nathanael B Stanley, MA, University of South Florida, Tampa, FL
- P-04 EMERGENCY DEPARTMENT UTILIZATION FOR OVARIAN TORSION IN THE UNITED STATES (2006-2016).** Jessie-Joyce Kue, MSCR¹, Charley Jiang, MS¹, Emma Giuliani, MD², Chelsea N Fortin, MD² and Erica E. Marsh, MD, MSCI, FACOG², ¹MD/MSCR candidate, Ann Arbor, MI, ²University of Michigan, Ann Arbor, MI
- P-05 THE COST OF INFERTILITY (COIN) STUDY: ASSOCIATIONS WITH INCOME & BURDEN OF TREATMENT.** Viji Sundaram, MD¹, Jerrine R. Morris, MD, MPH¹, Jake Anderson, MBA² and Martha Noel, MD¹, ¹University of California, San Francisco, Department of Obstetrics and Gynecology, San Francisco, CA, ²FertilityIQ, San Francisco, CA
- P-06 ACCESS TO ART CARE AT A UNIVERSITY SATELLITE CLINIC: OUTCOME ANALYSIS OF PREGNANCY RATES, INCLUDING SINGLETON LIVE BIRTH RATES.** Estefania Santamaria Flores, MD, MPH¹, John Yeh, MD² and Shaila V Chauhan, MD³, ¹University of Massachusetts Medical School, Worcester, MA, ²UMass, Worcester, MA, ³U MassMedical School, Worcester, MA
- P-07 THE COST OF INFERTILITY (COIN) STUDY: MODELING DECISION REGRET.** Viji Sundaram, MD¹, Jerrine R. Morris, MD, MPH¹, Jake Anderson, MBA² and Martha Noel, MD¹, ¹University of California, San Francisco, Department of Obstetrics and Gynecology, San Francisco, CA, ²FertilityIQ, San Francisco, CA
- P-08 FINANCIAL ASSISTANCE OPPORTUNITIES FOR INFERTILITY TREATMENTS: MALE FACTOR INFERTILITY IS OFTEN FORGOTTEN.** Darren J Bryk, MD¹ and Sarah C. Vij, MD², ¹Cleveland Clinic, Cleveland, OH, ²Cleveland Clinic Foundation, Cleveland, OH
- P-09 ASSESSING TRANSPARENCY OF COSTS OF SPERM CRYOPRESERVATION ACROSS THE UNITED STATES.** Johnny S. Su, BA¹, Nicholas J. Farber, MD², Yida Cai, BA¹, Johnathan Doolittle, MD², Sajal Gupta, MD³, Ashok Agarwal, PhD³ and Sarah C. Vij, MD², ¹Case Western Reserve University School of Medicine, Cleveland, OH, ²Glickman Urological and Kidney Institute, Cleveland Clinic, Cleveland, OH, ³American Center for Reproductive Medicine, Cleveland Clinic, Cleveland, OH
- P-10 RURAL LOCALE PROTECTIVE FOR ETHNICALLY AND RACIALLY DIVERSE WOMEN AT RISK FOR GESTATIONAL DIABETES MELLITUS IN THE PACIFIC NORTHWEST.** Kelsie Clausen, MA, OMSII¹, Kathaleen Briggs Early, PhD, RDN, CDE¹, David Gothard, MS¹, Lizzie Lamb, MPH¹, Laurene Enns, MA¹ and Esther Park-Hwang, MD, MBA², ¹Pacific Northwest University of Health Sciences, Yakima, WA, ²MultiCare Health System, Tacoma, WA

POSTER PRESENTATIONS

- P-11 BARRIERS TO FAMILY BUILDING AND IMPACT ON CAREER TRAJECTORY FOR WOMEN IN MEDICINE.** Anne P. Hutchinson, M.D.¹, Kathryn Smith, B.S.², Elaine O. Cheung, PhD³, Patricia I. Moreno, PhD³, Neil Jordan, PhD⁴, Kara N. Goldman, M.D.¹, Jessica L. Thomas, A.M.², Veronika Elisabeth Grote, B.S.³ and Eve C. Feinberg, M.D.¹, ¹Northwestern University Feinberg School of Medicine, Department of Obstetrics and Gynecology, Division of Reproductive Endocrinology and Infertility, Chicago, IL, ²Northwestern University Feinberg School of Medicine, Chicago, IL, ³Northwestern University Feinberg School of Medicine, Department of Medical Social Sciences, Chicago, IL, ⁴Northwestern University Feinberg School of Medicine, Department of Psychiatry and Behavioral Sciences, Mental Health Services & Policy Program, Chicago, IL
- P-12 HUMID VS DRY CULTURE: DOES RELATIVE HUMIDITY AFFECT THE MORPHOKINETICS OF IN VITRO CULTURED EMBRYOS?** María de los Ángeles Valera, PhD Student¹, Carmela Albert, PhD², Lorena Bori, M.Sc.², Lucia Alegre, PhD², Thamara Viloria, PhD² and Marcos Meseguer, PhD², ¹IVIRMA Global; IVI Foundation, Valencia, Spain, ²IVIRMA Global, Valencia, Spain
- P-13 HOW LOW CAN YOU GO WITH OXYGEN CONCENTRATION?** Rachel Blair Danis, MD¹, Jesse L Stone, MS², Jacqueline Ho, MD MS¹, Trenton Place, DO, PhD¹, Lynda K McGinnis, PhD¹ and Ali Ahmady, PhD³, ¹University of Southern California, Los Angeles, CA, ²USC Fertility, Los Angeles, CA, ³Keck School of Medicine, University of Southern California, Los Angeles, CA
- P-14 REALISTIC MEASUREMENT OF THE EFFECT OF SPERM DNA FRAGMENTATION ON REPRODUCTIVE OUTCOMES BY CUMULATIVE LIVEBIRTH RATES (CLBR) PER EMBRYO REPLACED AND OOCYTE EMPLOYED REVEALS ITS LACK OF RELEVANCE IN UNSELECTED MALES USING OWN OOCYTES.** Irene Hervas, MSc¹, Nicolas Garrido, PhD¹, Rocio Rivera-Egea, PhD², Cristina Gonzalez-Ravina, PhD³, David Amoros, PhD⁴, Fernando Quintana Sr., PhD⁵, Maria Gil Julia, MSc, MRes¹ and Alberto Pacheco, PhD⁶, ¹IVI Foundation - IIS La Fe Biomedical Research Institute, Valencia, Spain, ²IVIRMA Valencia, Valencia, Spain, ³IVIRMA Sevilla, Sevilla, Spain, ⁴IVIRMA Barcelona, Barcelona, Spain, ⁵IVIRMA Bilbao, Bilbao, Spain, ⁶IVIRMA Madrid, Madrid, Spain
- P-15 EFFECT OF PENTOXIFYLLINE SUPPLEMENTATION ROUTINELY ADDED TO SPERM SUSPENSIONS IMMEDIATELY BEFORE INTRACYTOPLASMIC SPERM INJECTION.** Rita C S Figueira, Ph.D.¹, Sidney Verza Jr., B.Sc.¹, Vanessa C F Moreno, B.Sc.¹ and Sandro C Esteves, M.D., Ph.D.², ¹Androfert, Campinas, Brazil, ²ANDROFERT & University of Campinas (UNICAMP), Campinas, Brazil
- P-16 SEPARATION OF NON-APOPTOTIC SPERM VIA MAGNETIC ACTIVATED CELL SORTING BEFORE INTRACYTOPLASMIC SPERM INJECTION IN AUTOLOGOUS OOCYTES INCREASED CUMULATIVE LIVE BIRTH RATES WITH LIMITED CLINICAL IMPACT.** Maria Gil Julia, MSc, MRes¹, Fernando Quintana Sr., PhD², David Amoros, PhD³, Alberto Pacheco, PhD⁴, Cristina Gonzalez-Ravina, PhD⁵, Rocio Rivera-Egea, PhD⁶, Irene Hervas, MSc¹ and Nicolas Garrido, PhD¹, ¹IVI Foundation - IIS La Fe Biomedical Research Institute, Valencia, Spain, ²IVIRMA Bilbao, Bilbao, Spain, ³IVIRMA Barcelona, Barcelona, Spain, ⁴IVIRMA Madrid, Madrid, Spain, ⁵IVIRMA Sevilla, Sevilla, Spain, ⁶IVIRMA Valencia, Valencia, Spain
- P-17 OOCYTE IN VITRO MATURATION DOES NOT ADVERSELY AFFECT THE PROGRESSION OF THE FIRST MEIOTIC DIVISION.** Marga Esbert, PhD¹, Cristina Garcia, MSc¹, Georgina Cutts, MSc², Evelin Lara-Molina, MD¹, Emre Seli, MD³, Agustin Ballesteros, MD¹, Nicolas Garrido, PhD⁴, Mariona Quera, MSc¹, Richard Thomas Scott Jr., MD³, Dagan Wells, PhD² and Elpida Fragouli, PhD², ¹IVIRMA Barcelona, Barcelona, Spain, ²JUNO GENETICS, Oxford, United Kingdom, ³IVI RMA New Jersey, Basking Ridge, NJ, ⁴IVI Foundation - IIS La Fe Biomedical Research Institut, Valencia, Spain
- P-18 ASSESSING THE CLINICAL VIABILITY OF MICRO 3PN ZYGOTES.** Albert Li, BA¹, Rose Marie Roth, MSc, TS(ABB), CLT (NYS)¹, Richard

POSTER PRESENTATIONS

Slifkin, BA, TS(ABB), CLT(NYS)¹, Christine Briton-Jones, PhD, HCLD¹, Joseph A. Lee, BA¹, Daniel E. Stein, MD² and Alan B Copperman, MD², ¹Reproductive Medicine Associates of New York, New York, NY, ²Icahn School of Medicine at Mount Sinai, New York, NY

- P-19 EFFECTS OF A23187 AND IONOMYCIN ON OOCYTE ACTIVATION IN PATIENTS WITH PREVIOUS TOTAL FERTILIZATION FAILURE OR SEVERE OLIGO-ASTHENO-TERATOZOOSPERMIA: A 9-YEAR RETROSPECTIVE STUDY.** Lei Jia, Master¹, Shujing He, Master², Wenlong Su, MS³ and Cong Fang, PHD, MD⁴, ¹Reproductive Medicine Research Center, Sixth Affiliated Hospital of Sun Yat-sen University, Guangzhou, China, ²The Sixth Affiliated hospital of Sun Yat-Sen University, Guangzhou, China, ³Sixth Affiliated hospital of Sun Yat-Sen University, Guangzhou, China, ⁴The Sixth Affiliated Hospital of Sun Yat-sen University, Guangzhou, China
- P-20 INCREASED BLASTOCYST EUPLOID RATE USING A NOVEL SINGLE-STEP CULTURE MEDIUM.** Rebecca Holmes, PhD, HCLD¹, Rebecca Kile, MS², Courtney Grimm, MS³, William B Schoolcraft, MD³, Jason E Swain, PhD, HCLD⁴ and Rebecca L. Krisher, PhD², ¹CCRM Boston, Newton, MA, ²CCRM Colorado, Lone Tree, CO, ³Colorado Center for Reproductive Medicine, Lone Tree, CO, ⁴CCRM Fertility Network, Lone Tree, CO
- P-21 ASSISTED HATCHING (AH) IN COLLAPSED BLASTOCYSTS IS ABLE TO RESTORE THE IMPLANTATION RATES: A RETROSPECTIVE STUDY.** Alberto Tejera, PhD¹, Lucia Alegre, PhD¹, Amparo Mifsud, PhD¹, Jose Maria De los Santos, PhD¹, Marga Esbert, PhD² and Marcos Meseguer, PhD¹, ¹IVIRMA Global, Valencia, Spain, ²VI RMA Barcelona, Barcelona, Spain
- P-22 A REDESIGN OF THE PROTEX TO HARVEST FREE OXYGEN SPECIES APPEARS TO IMPROVE OVERALL SEMEN PARAMETERS.** Samuel D Prien, PhD¹, Melissa Sillivent, M.S.² and Lindsay L Penrose, PhD¹, ¹Texas Tech University Health Sciences Center, Lubbock, TX, ²Texas Tech University, Lubbock, TX
- P-23 VOLATILE ORGANIC COMPOUND PROFILE OF MINERAL OIL AFFECTS EMBRYO DEVELOPMENT.** Courtney K Grimm, MS¹, Rebecca L. Krisher, PhD¹, Jason E Swain, PhD, HCLD², William B Schoolcraft, MD³, Linxing Yao, PhD⁴ and Amy Sheflin, PhD⁴, ¹CCRM Colorado, Lone Tree, CO, ²CCRM Fertility Network, Lone Tree, CO, ³Colorado Center for Reproductive Medicine, Lone Tree, CO, ⁴Colorado State University, Fort Collins, CO
- P-24 STRONTIUM-INDUCED OOCYTE ACTIVATION IN NON-MALE FACTOR ICSI CYCLES AND ADVANCED MATERNAL AGE.** Rita C S Figueira, Ph.D.¹, Sidney Verza Jr., B.Sc.¹, Vanessa C F Moreno, B.Sc.¹ and Sandro C Esteves, M.D., Ph.D.², ¹Androfert, Campinas, Brazil, ²ANDROFERT & University of Campinas (UNICAMP), Campinas, Brazil
- P-25 MIGRATION SPEED OF NUCLEOLAR PRECURSOR BODIES IN PRONUCLEI: A NOVEL PARAMETER FOR PREDICTING LIVE BIRTH.** Takeo Inoue, Ph.D.¹, Sayumi Taguchi, M.S.¹, Mikiko Uemura, Ph.D.², Yoshiko Tsujimoto, M.S.¹, Kazunori Miyazaki, Ph.D., M.D.¹ and Yoshiki Yamashita, Ph.D., M.D.¹, ¹Umeda Fertility Clinic, Osaka, Japan, ²Kansai University of Welfare Science, Kashiwara, Japan
- P-26 IS THERE A CLINICAL IMPACT OF BLASTOCYST SHRINKAGE PRIOR TO VITRIFICATION?** Kana Murakami, M.S., Hiroya Kitasaka, Ph.D., Tomokuni Yoshimura, B.S., Noritaka Fukunaga, Ph.D. and Yoshimasa Asada, M.D., Ph.D., Asada Ladies Clinic, Nagoya, Japan
- P-27 MORPHOKINETICS OF MORULA STAGE EMBRYO FAIL TO PREDICT BLASTOCYST FORMATION AND BLASTOCYST QUALITY.** Nabil Sayme, Dr. med.¹, Thomas Krebs, Dipl.-Biol.¹, Dieter H.A. Maas, Prof. Dr. med.¹ and Marija Kljajic, Master of Biology Science², ¹Team Kinderwunsch Hannover, Hannover, Germany, ²Saarland University Medical Center, Homburg, Germany
- P-28 QUALITY CONTROL VIA ASSESSMENT OF CONSISTENCY IN EMBRYOLOGY AND CLINICAL ENDPOINTS BETWEEN MULTIPLE LABS USING A SINGLE DONOR EGG BANK.** Jason E Swain, PhD, HCLD¹, Rebecca L. Krisher, PhD² and William B Schoolcraft, MD², ¹CCRM Fertility Network, Lone Tree, CO, ²CCRM Colorado, Lone Tree, CO

POSTER PRESENTATIONS

- P-29** **BENEFITS OF DAY 7 BLASTOCYST CULTURE?: A COMPARISON OF CONVERSION AND EUPLOIDY RATES BETWEEN RELATED IVF LABORATORIES WITH DIFFERENT VOLUMES** Jason E Swain, PhD, HCLD¹, William B Schoolcraft, MD² and Rebecca L. Krisher, PhD², ¹CCRM Fertility Network, Lone Tree, CO, ²CCRM Colorado, Lone Tree, CO
- P-30** **TRANSFER STRATEGY OF OBTAINING FEWER THAN 3 EGGS IN IVF CYCLE.** Tingting Li, Doctor, Reproductive Medicine Research Center, Sixth Affiliated Hospital of Sun Yat-sen University, Guangzhou, China
- P-31** **HOW TO OPTIMIZE CULTURE MEDIA OSMOLALITY IN IVF TREATMENTS.** Renata de Lima Bossi, PhD, Brenda Campos Villa Pinto, BSc, Marcos Sampaio, MD PhD, Marco Tulio Vaintraub, MD MSc and Selmo Geber, Professor, ORIGEN, Belo Horizonte, Brazil
- P-32** **PREDICTION OF IMPLANTATION RATE IN SINGLE EUPLOID FROZEN-THAWED BLASTOCYST TRANSFER CYCLES BY CULTURE TIME AND/OR RE-EXPANSION RATE AFTER TROPHECTODERM BIOPSY.** Vasileios Stolakis, MSc, PhD, MLS (ASCP)CM, Kofinas Fertility Group, New York, NY
- P-33** **EMBRYONIC CHROMOSOMAL CHANGES AND EMBRYONIC MORPHOLOGY: WHAT IS THEIR RELATIONSHIP TO THE CHOICE OF THE BEST EMBRYO.** Mariana Moraes Piccolomini, MS¹, Edson G Lo Turco, PhD², Lucas Yamakami, MD³, Helio Sato, PhD³, Fernando Prado Ferreira, MD, PhD³, Renato Tomioka, MD³ and Orcar Duarte, MD⁴, ¹Senior Embryologist, São Paulo, Brazil, ²IonMedicine - Precision Medicine, Sao Paulo, Brazil, ³Clinical Chief, São Paulo, Brazil, ⁴Clinical Chief in Lab For Life Laboratory, São Paulo, Brazil
- P-34** **MITOCHONDRIAL SUPPORT OF EMBRYOS FROM WOMEN OF ADVANCED MATERNAL AGE DURING ART.** Rebecca Kile, MS¹, Deirdre M Logsdon, MS², Catherine Nathanson, BS², Sue McCormick, BS², William B Schoolcraft, MD² and Rebecca L. Krisher, PhD², ¹CCRM Colorado, Lone Tree, CO, ²Colorado Center for Reproductive Medicine, Lone Tree, CO
- P-35** **IN-VITRO FERTILIZATION TECHNIQUES COULD INCREASE MONOZYGOTIC TWINS RATE IN SINGLE EMBRYO TRANSFERS.** Sofia Ana Dominici, Gynecologist, Estefania Navall, Gynecologist, Valentina Torres Monserrat, Embryologist, Maria Cecilia Delpiccolo, Embryologist, Nicolas Carizza, Gynecologist, Trinidad Leiva, Gynecologist, Maria Noelia Lardizabal, Embryologist, Ariadna Sol Ruiz, Gynecologist and Carlos Carizza, Medical Director, Fertya, Rosario, Argentina
- P-36** **COMPARISON OF EMBRYO MORPHOKINETICS FOLLOWING ASSISTED SPERM FUSION INSEMINATION AND RESCUE INTRACYTOPLASMIC SPERM INJECTION.** Shota Hatakeyama, Master¹, Yasuyuki Araki, Ph.D.², Yasuhisa Araki, Ph.D.², Shirei Ohgi, M.D.¹ and Atsushi Yanaihara, M.D.¹, ¹Yanaihara Women's Clinic, Kamakura, Japan, ²Gunma Paz University, Takasaki, Japan
- P-37** **THE OOCYTE MATURATION FAILURE AND EMBRYO ARREST: A RETROSPECTIVE STUDY IN THE THIRTEEN-YEAR PERIOD.** Lada Diachenko, MSc, Pavlo Mazur, MSc, Dmytro O. Mykytenko, MD, DSc and Valery Zukin, MD, PhD, Clinic of Reproductive Medicine "Nadiya", Kyiv, Ukraine
- PD1-03 POSTER SESSION: ART LAB: OUTCOME PREDICTORS**
- P-38** **BIRTH OF HEALTHY BABIES FROM BLASTOCYSTS DERIVED FROM MONO-PRONUCLEAR ZYGOTES FOLLOWING INTRACYTOPLASMIC SPERM INJECTION.** Haruhisa Tsuji, M.S., Hiroya Kitasaka, Ph.D., Noritaka Fukunaga, Ph.D. and Yoshimasa Asada, M.D., Ph.D., Asada Ladies Clinic, Nagoya, Japan
- P-39** **ALL TWIN PREGNANCIES ARE NOT THE SAME: EFFECT OF MATERNAL PARITY ON OUTCOMES OF TWIN PREGNANCIES CONCEIVED SPONTANEOUSLY VERSUS WITH ASSISTED REPRODUCTIVE TECHNOLOGY.** Rachel S Mandelbaum, MD, Meghan Brooke Smith, MD, Brittany L Klooster, MD, Rachel Blair Danis, MD, Lynda K McGinnis, PhD, Jacqueline Ho, MD MS, Kristen Bendikson, MD and Richard J Paulson, MD, MS, University of Southern California, Los Angeles, CA

POSTER PRESENTATIONS

- P-40 EFFECT OF CO-INCUBATION OF SPERMATOZOA WITH HUMAN ENDOMETRIAL CELLS ON ASSISTED REPRODUCTION OUTCOMES.** Rumiana Ganeva, MSc, Dimitar Parvanov, PhD, Ivaylo Rangelov, MSc, Silviya Gogeva, MSc and Georgi Stamenov, MD/PhD, Nadezhda Women's Health Hospital, Sofia, Bulgaria
- P-41 OVERVIEW OF 2018 U.S. ASSISTED REPRODUCTIVE TECHNOLOGY (ART) TREATMENT OUTCOMES AND CONTRIBUTION OF ART TO MULTIPLE BIRTHS AND PRETERM BIRTHS IN THE UNITED STATES** Saswati Sunderam, M.A PhD¹, Dmitry M Kissin, MD, MPH¹, Yujia Zhang, PhD¹, Amy Jewett, MPH¹, Sheree L Boulet, DrPH², Lee Warner, PhD³, Charlan D Kroelinger, PHD³ and Wanda D Barfield, MD³, ¹Centers for Disease Control and Prevention, Chamblee, GA, ²Emory University School of Medicine, Atlanta, GA, ³Centers for Disease Control and Prevention, Atlanta, GA
- P-42 IMPACT OF ENDOMETRIAL PATTERN ON LIVE BIRTH RATE AND SUBSEQUENT DEVELOPMENT OF HYPERTENSIVE DISORDERS OF PREGNANCY.** Valerie A. Flores, MD¹, Dawn A Kelk, PhD, HCLD², Sarah Bjorkman, MD³ and Pinar H Kodaman, MD/PhD³, ¹Yale School of Medicine, Oange, CT, ²Yale University, Orange, CT, ³Yale School of Medicine, New Haven, CT
- P-43 IMPACT OF OVARIAN STIMULATION AND IN VITRO FERTILIZATION ON LIPID PROFILE OF MICE BLASTOCYSTS.** Thalita S Berteli, MSc¹, Eduardo D Borges, MSc¹, Caroline M Luz, MSc¹, Christina R Ferreira, PhD², Alessandra A Vireque, PhD³ and Paula A Navarro, MD, PhD¹, ¹Faculdade de Medicina de Ribeirão Preto, Universidade de São Paulo - Departamento de Ginecologia e Obstetrícia, Ribeirão Preto-SP, Brazil, ²Purdue University - Metabolite Profiling Facility, Bindley Bioscience Center, IN, ³Invitro – Assisted Reproductive Technologies LTD, Supera Innovation and Technology Park, Ribeirão Preto-SP, Brazil
- P-44 METABOLIC IMAGING OF CUMULUS CELLS AND EMBRYO OUTCOME.** Marta Venturas, M.Sc.¹, Kishlay Kumar, PhD², Xingbo Yang, PhD¹, Dagan Wells, Ph.D.³, Catherine Racowsky, PhD⁴ and Dan Needleman, Ph.D.¹, ¹Harvard University, Cambridge, MA, ²University of Oxford, Oxford, United Kingdom, ³Juno Genetics, Oxford, United Kingdom, ⁴Brigham and Women's Hospital, Boston, MA
- P-45 SUPERIOR SPERM SELECTION? MICROFLUIDIC SPERM SORTING IMPROVES EUPLOID EMBRYO ONGOING PREGNANCY RATE COMPARED TO DENSITY GRADIENT CENTRIFUGATION** Katherine L. Palmerola, MD¹, Sabrina A. Gerkowicz, MD², Ineabelle Collazo, BS¹, Himanshu Arora, PhD³ and Maria Bustillo, M.D.¹, ¹IVFMD, South Florida Institute for Reproductive Medicine, MIAMI, FL, ²IVFMD, South Florida Institute for Reproductive Medicine, Miami, FL, ³University of Miami Miller School of Medicine, Miami, FL
- P-46 STAGE OF TRANSFERRED BLASTOCYST MAY AFFECT PREGNANCY OUTCOMES WHEN TIMED WITH ENDOMETRIAL RECEPTIVITY ASSAY (ERA).** Rae vanTol, BS¹, Robert Colver, MD², Bradford Bopp, MD², Matthew Will, MD², Erica Anspach Will, MD² and Glen Adaniya, PhD¹, ¹Ovation Fertility, IN, ²Midwest Fertility Specialists, Carmel, IN
- P-47 THE EFFECT OF EMBRYO CATHETER-LOADING TECHNIQUE ON PREGNANCY AND IMPLANTATION RATES IN FROZEN EMBRYO TRANSFER CYCLES.** Tamar Matitashvili, MD¹, Seifeldin Sadek, MD¹, Hadi Ramadan, M.D.² and Gerard Celia Jr., PhD³, ¹Jones Institute, Norfolk, VA, ²Eastern Virginia Medical School, Norfolk, VA, ³EVMS, Norfolk, VA
- P-48 MICROFLUIDIC DEVICE-BASED SEMEN PREPARATION INFLUENCES EUPLOIDY RATES OF HUMAN BLASTOCYSTS.** Zeki Beyhan, Ph.D.¹, Sally Abboud, M.S.¹, Jordan A. Moliver, B.A., J.D.¹, Farah S Chuong, M.D.², Fernando M Akerman, M.D.¹, Michael H Jacobs, M.D.¹ and fertility and IVF Center of Miami, ¹Fertility and IVF Center of Miami, Miami, FL, ²8950 N Kendall Drive, Miami, FL
- P-49 SORT-TERM IN VITRO MATURATION (IVM) CULTURE OF CUMULUS-OOCYTE COMPLEXES IMPROVES SUBSEQUENT EMBRYONIC DEVELOPMENT IN STIMULATED CYCLES.** Ya-Nan Shi, PhD¹, Yi Zhou, Master², Lei Jia, Master¹, Yingying Liu, Master¹, Cong Fang, PHD, MD³ and Xiao-yan Liang, M.D., Ph.D.³,

POSTER PRESENTATIONS

¹Laboratory of Reproductive Endocrinology, The Research Center of Reproductive Medicine, The 6th Affiliated Hospital, Sun Yat-Sen University, Guangzhou, China, ²492459979@qq.com, Guangzhou, China, ³The Sixth Affiliated Hospital of Sun Yat-sen University, Guangzhou, China

- P-50 EFFECT OF RE-EXPANSION IN FROZEN-THAWED EMBRYO TRANSFERS ON PREGNANCY OUTCOMES.** Kathryn D Coyne, MD, Mabel Lee, MD, Lauren Alexis Palavos, BS, James Hamrick, BS, Brooke A Belvin, BS, Rachel S Weinerman, MD, Rebecca Flyckt, MD, James H Liu, M.D. and Sung Tae Kim, PhD, HCLD, University Hospitals Fertility Center/Case Western Reserve University, Beachwood, OH
- P-51 EFFECTS OF CULTURE TIME ON PREGNANCY OUTCOME OF FROZEN-THAWED D5 BLASTOCYST.** Junxia Liu, MD and Guoning Huang, M.D.², ¹ChongQing Health Center for Women and Children
- P-52 WITHDRAWN**
- P-53 IS THE BIGGEST IMPACT ON CLINICAL IVF OUTCOMES OBTAINED BY IMPLEMENTATION OF CONTINUOUS MEDIA, TIME-LAPSE INCUBATOR OR BOTH?** Teija Peura, PhD¹, Andrew Murray, MSc², Natalie Hesketh, MSc², Sarah Dalati, PhD², Mark Bowman, MB BS PhD² and Steven J McArthur, BSc², ¹Genea Biomedx, Sydney, NSW, Australia, ²Genea, Sydney, NSW, Australia
- P-54 IS THERE A DIFFERENCE IN IVF DEVELOPMENTAL OUTCOMES BETWEEN OOCYTES RETRIEVED IN ROOM TEMPERATURE OOCYTE COLLECTION MEDIUM OR MEDIUM MAINTAINED AT 37°C?** Sarah Dolisca, MD¹, Karissa C Hammer, MD², Stylianos Vagios, MD², Jennifer Hsu, MD², Caitlin Sacha, MD², Irene Souter, MD², Manoj Kumar Kanakasabapathy, MS³, Prudhvi Thirumalaraju, BS³, Charles L Bormann, PhD² and Hadi Shafiee, PhD³, ¹Brigham and Women's Hospital, Boston, MA, ²Massachusetts General Hospital, Harvard Medical School, Boston, MA, ³Brigham and Women's Hospital, Harvard Medical School, Boston, MA
- P-55 THE EFFECTS OF TEMPERATURE VARIATION TREATMENTS ON MOUSE EMBRYO MORPHOKINETICS AND METABOLISM.** Doris Ferreira Moriyama, M.Med.Sci¹, Dimitra Makri, M.Med.Sci², Mary-Naya Maalouf, M.Med.Sci², Petra Adamova, M.Med.Sci², Walid Maalouf, PhD² and Edson G Lo Turco, PhD³, ¹Sao Paulo Federal University, School of Medicine, Department of Surgery, Division of Urology, Human Reproduction Section, Sao Paulo, Brazil, ²University of Nottingham, School of Medicine, Division of Child Health, Obstetrics, and Gynaecology, Nottingham, United Kingdom, ³IonMedicine - Precision Medicine, Sao Paulo, Brazil
- P-56 AMH IS NOT ASSOCIATED WITH HIGH-GRADE EMBRYO QUALITY AS ASSESSED BY DAY 3 AND DAY 5 MORPHOLOGY.** Rhea Chattopadhyay, MD¹, Salomeh M. Salari, MD MS², Salina Zhang, MD³, Valerie Libby, MD¹, Channing Burks, MD¹, Rebecca Flyckt, MD¹ and Rachel S Weinerman, MD¹, ¹University Hospitals Fertility Center/Case Western Reserve University, Beachwood, OH, ²University Hospitals Cleveland Medical Center, Cleveland, OH, ³Case Western Reserve University School of Medicine, Cleveland, OH
- P-57 HEALTHY BABIES CAN ALSO BE OBTAINED FROM BLASTOCYSTS WITH DIRECT CLEAVAGE.** Fumiya Kondo, M.S., Hiroya Kitasaka, Ph.D., Noritaka Fukunaga, Ph.D. and Yoshimasa Asada, M.D., Ph.D., Asada Ladies Clinic, Nagoya, Japan
- P-58 THE COMPARABLE BIRTH OUTCOME OF YOUNGER AND OLDER PATIENTS. IS THIS POSSIBLE?** Oscar Perez, Ph.D.¹, Hannalie Adriaanse, BS¹, Gabriella Navarrete, BS¹, Breanna Tilley, MSc¹, Linda Lay, BS¹, Lucille M Little, BS¹, Jessica Kozlowski, B.S.¹, Ravi Gada, MD², Laura Lawrence, MD², Karen Lee, M.D.², Mika R Thomas, MD² and Samuel J Chantilis, MD², ¹Dallas Fertility Center, Dallas, TX, ²Dallas-Fort Worth Fertility Associates, Dallas, TX
- P-59 PROGNOSTIC VALUE OF OOCYTE QUALITY IN IN VITRO FERTILIZATION OUTCOMES: A SYSTEMATIC REVIEW.** Nicole Mercado Fischer, MPH¹, Ha Vi Nguyen, MD², Bhuchitra Singh, MD, MPH, MS³, Valerie L Baker, MD⁴ and James Segars, MD³, ¹Johns Hopkins University School of Medicine, Division of Reproductive Endocrinology and Infertility, Baltimore, MD, ²Johns Hopkins School of Medicine, Baltimore,

POSTER PRESENTATIONS

- MD, ³Johns Hopkins University School of Medicine, Baltimore, MD, ⁴10751 Falls Road, Lutherville, MD
- P-60 ASSOCIATION OF MITOSCORE AND TIME TO BLASTULATION: EVALUATION AS PREDICTORS OF REPRODUCTIVE OUTCOMES AFTER SINGLE FROZEN EMBRYO TRANSFER.** Janet Bruno-Gaston, MD, Luwam A Ghidei, MD, Yadav Ghanshyam, MD, Chellakkan Selvanesan Blessen, PhD and William Gibbons, MD, Baylor College of Medicine, Houston, TX
- P-61 OFFSPRING GENDER RATIO AFTER SPERM CO-INCUBATION WITH ENDOMETRIAL CELLS PRIOR IVF.** Rumiana Ganeva, MSc, Dimitar Parvanov, PhD, Kristina Nikolova, MSc and Georgi Stamenov Stamenov, MD/PhD, Nadezhda Women's Health Hospital, Sofia, Bulgaria
- P-62 EXCESSIVE TRIMMING OF CUMULUS CELLS IS ASSOCIATED WITH LOWER FERTILIZATION RATES AFTER CONVENTIONAL INSEMINATION.** Carlos A Guerrero, Ph.D., Jennifer A Rodriguez, B.Sc., Daniel Skora, M.D., Rebecca A Chilvers, M.D., Satin S Patel, M.D. and Jerald S Goldstein, M.D., Fertility Specialists of Texas, Frisco, TX
- P-63 EMBRYO CULTURE WITH SEQUENTIAL VS SINGLE STEP MEDIA: EFFECT ON EUPLOID RATES?** Krishna Mantravadi Sr., MBBS, PGDHOM, Masters in clinical embryology, Gayathri Gedela, Master in Clinical Embryology, Durga Gedela Rao Sr., MRCOG and Sandeep Karunakaran Sr., MS, PGDHM, PGDMLE, Oasis fertility, Hyderabad, India
- P-64 IMPACT OF BLASTOCYST MORPHOLOGY GRADING ON PREDICTING IMPLANTATION OF EUPLOID EMBRYOS IN GESTATIONAL CARRIERS.** Jordana Mashiach Friedler, MD MHA¹, Michal Dviri, MD², Anjila Roumia, MD³, Noga Fuchs Weizman, MD¹, Shira Baram, MD¹ and Clifford Lawrence Librach, MD¹, ¹CReATe Fertility Centre, Toronto, ON, Canada, ²University of Toronto, Toronto, ON, Canada, ³CReATe fertility centre, Toronto, ON, Canada
- P-65 EFFECT OF LASER-ASSISTED HATCHING ON CLINICAL AND NEONATAL OUTCOMES IN PATIENTS UNDERGOING SINGLE VITRIFIED-**
- WARMED BLASTOCYST TRANSFERS.** Yuji Endo, Ph.D¹, Yoshitaka Fujii, Ph.D², Shingo Mitsuhashi, M.S.², Momoko Hayashi, B.Sc.² and Hiroaki Motoyama, MD.³, ¹Chief Embryologist, Kurashiki, Japan, ²Embryologist, Kurashiki, Japan, ³Chief doctor, Kurashiki, Japan
- P-66 SHORT ABSTINENCE IS A GOOD STRATEGY FOR TREATING VERY SEVERE OLIGOASTHENOTERATOSPERMIC (OAT) COUPLES.** Patrizia Maria Ciotti, BSc¹, Nilla Calza, BSc¹, Silvia Zuffa, Lab Technician¹, Leonardo Notarangelo, BSc², Elena Nardi, PhD², Giuseppe Damiano, MD¹, Linda Cipriani, MD¹ and Eleonora Porcu, MD³, ¹University-Hospital S.Orsola - Bologna, Bologna, Italy, ²University of Bologna, Bologna, Italy, ³Infertility and IVF Center, S.Orsola University Hospital, Medical and Surgical Sciences Department (DIMEC) University of Bologna, Bologna, Italy
- P-67 GDF9 IN DAY 3 EMBRYO CULTURE MEDIUM IS A STRONG PREDICTOR OF EMBRYO QUALITY.** Jing Yu Li, PhD¹ and Guoning Huang, M.D.², ¹Chongqing Key Laboratory of Human Embryo Engineering, Chongqing Reproductive and Genetics Institute, Chong Qing, China, ²Chongqing Health Center for Women and Children
- P-68 COMPARABLE PREGNANCY OUTCOMES BETWEEN HIGH-SCORE BLASTOCYSTS WITH LOWER EXPANSION GRADE ON DAY 5 AND HIGHER EXPANSION GRADE ON DAY 6: AN ANALYSIS OF 1751 FROZEN-THAWED CYCLES.** Yingchun Guo, M.D., Tingting Li, Doctor, Yi Zhou, Master, Lei Jia, Master and Cong Fang, Ph.D., Reproductive Medicine Research Center, Sixth Affiliated Hospital of Sun Yat-sen University, Guangzhou, China
- P-69 EFFECT OF TROPHECTODERM GRADE OF BLASTOCYST AT EMBRYO TRANSFER ON PREGNANCY OUTCOMES.** Kathryn D Coyne, MD, Mabel Lee, MD, Lauren Alexis Palavos, BS, James Hamrick, BS, Brooke A Belvin, BS, Rachel S Weinerman, MD, Rebecca Flyckt, MD, James H Liu, M.D. and Sung Tae Kim, PhD, HCLD, University Hospitals Fertility Center/Case Western Reserve University, Beachwood, OH

POSTER PRESENTATIONS

- P-70** **IS IT POSSIBLE TO PREDICT THE RESULT FOR THE TUNEL ASSAY FROM A ROUTINE SPERMOGRAM ANALYSIS?** Roxana Vanina De Caro, Medical Doctor¹, María Pía Zappacosta Villarroel, Medical Doctor¹, Belen Garcia Ojeda, Medical Doctor¹, Mercedes Leticia Guidobono, Embryologist², Raymond Joseph Osés, Medical Doctor², Alberto Kenny, Medical Doctor¹ and Roberto Inza, Medical Doctor¹, ¹IFER, Ciudad Autónoma de Buenos Aires, Argentina, ²IFER, Ciudad Autónoma de Buenos Aires, Argentina
- P-71** **REPRODUCTIVE & PERINATAL OUTCOMES OF FRESH VERSUS FROZEN TESTICULAR SPERM IN NON-OBSTRUCTIVE AZOOSPERMIA MEN.** Sakshi A Longani, Masters in Biotechnology¹, Krishna Mantravadi Sr., MBBS, PGDHOM, Masters in clinical embryology², Durga Gedela Rao Sr., MRCOG², Sandeep Karunakaran Sr., M.B.B.S, MS, PGDHM, PGDMLE¹, Rajesh Mani Raghupathy, MBBS, PGDCE¹, Yedluri Rupasree, M.Sc Biotechnology, PhD Biotechnology, PGDCE² and Afsha Firdouse, M.Sc Biochemistry, PGDCE², ¹oasis fertility, Hyderabad, India, ²Oasis fertility, Hyderabad, India
- P-72** **IMPACT OF SEMEN PARAMETERS IN INTRACYTOPLASMIC SPERM INJECTION (ICSI) OUTCOME IN FRESH OVDONATION PROGRAM.** Maria Cecilia Delpiccolo, Embryologist, Valentina Torres Monserrat, Embryologist, Maria Noelia Lardizabal, Embryologist, Nicolas Carizza, Gynecologist, Trinidad Leiva, Gynecologist, Estefania Navall, Gynecologist, Sofia Ana Dominici, Gynecologist, Ariadna Sol Ruiz, Gynecologist and Carlos Carizza, Medical Director, Fertya, Rosario, Argentina
- P-73** **EFFECT OF CULTURE MEDIUM ON BLASTOCYST DEVELOPMENT.** Deepti Tiwari, MS¹, Caroline McCaffrey, PhD¹, Roberto Olivares, BS TS¹ and Barry Witt, MD², ¹NYU Langone School of Medicine, New York, NY, ²Greenwich Fertility and IVF Center, Greenwich, CT
- P-74** **EFFECT OF MEDIA CHANGE PARADIGMS ON THE EFFICACY OF A SINGLE STEP CULTURE MEDIUM.** Rebecca Holmes, PhD, HCLD¹, Jason E Swain, PhD, HCLD², William B Schoolcraft, MD³ and Rebecca L. Krisher, PhD⁴, ¹CCRM Boston, Newton, MA, ²CCRM Fertility Network, Lone Tree, CO, ³Colorado Center for Reproductive Medicine, Lone Tree, CO, ⁴CCRM Colorado, Lone Tree, CO
- PD1-04 POSTER SESSION: ART LAB: TECHNOLOGY**
- P91** **FUTURE OF AUTOMATION: USE OF DEEP CONVOLUTIONAL NEURAL NETWORKS (CNN) TO IDENTIFY PRECISE LOCATION TO PERFORM LASER ASSISTED HATCHING ON HUMAN CLEAVAGE STAGE EMBRYOS.** Nicholas Kelly, BA¹, Charles L Bormann, PhD¹, Jessica Dickinson, BA¹, Andrew D Meyer, BA¹, Manoj Kumar Kanakasabapathy, MS², Prudhvi Thirumalaraju, BS³ and Hadi Shafiee, PhD³, ¹Massachusetts General Hospital, Harvard Medical School, Boston, MA, ²Division of Engineering in Medicine, Department of Medicine, Brigham and Women's Hospital, Cambridge, MA, ³Brigham and Women's Hospital, Harvard Medical School, Boston, MA
- P-75** **SINGLE-LAYER DENSITY GRADIENT CENTRIFUGATION IS A SIMPLE AND EFFECTIVE SPERM PREPARATION APPROACH IN DECREASING THE INCIDENCE OF THE CONTAMINATION ORIGINATED IN THE POTENTIAL PATHOGENS IN HUMAN SPERM SAMPLES DURING IVF PRACTICE.** Yongrui Du, Ph.D., Tianjin Central Hospital of Gynecology Obstetrics, Tianjin, China
- P-76** **INCREASING THE AMOUNT OF LEARNING DATA FOR DEEP LEARNING IS EFFECTIVE IN IMPROVING THE AUTOMATIC PRONUCLEUS NUMBER DETECTION SYSTEM FOR HUMAN EMBRYOS.** Hiroya Kitasaka, Ph.D.¹, Noritaka Fukunaga, Ph.D.¹, Sho Sanami, Ph.D.², Hiroyuki Watanabe, M.S.¹, Yuji Suzuki, M.S.², Yuta Kida, M.S.¹, Seiji Takeda, M.S.², Fumiya Kondo, M.S.¹, Sho Takeda, B.S.¹ and Yoshimasa Asada, M.D., Ph.D.¹, ¹Asada Ladies Clinic, Nagoya, Japan, ²Dai Nippon Printing Co., Ltd., Tokyo, Japan
- P-77** **AUTOMATED IDENTIFICATION OF DEGRADED AREAS WITHIN BLASTOCYSTS BY MEANS OF ARTIFICIAL VISION.** Alejandro Chavez-Badiola, MD¹, Adolfo Flores-Saiffe Farias Sr., MSc, PhD², Gerardo mendizabal-Ruiz, PhD³, Roberto Valencia, MSc, PhD² and

POSTER PRESENTATIONS

Andrew J Drakeley, MD FRCOG⁴, ¹IVF 2.0 LTD, Maghull, United Kingdom, ²IVF 2.0 LTD, Liverpool, United Kingdom, ³Universidad de Guadalajara, Guadalajara, Mexico, ⁴Liverpool Women's Hospital, Liverpool, United Kingdom

Diana Beltrán, Master³, Jose Alejandro Remohi, MD, PhD³ and Marcos Meseguer, PhD⁴, ¹IVIRMA, Valencia, Spain, ²IVIRMA Global, Valencia, Spain, ³IVIRMA Valencia, Valencia, Spain, ⁴IVIRMA Global, Valencia, Spain, Valencia, Spain

- P-78 USING AN ARTIFICIAL NEURAL NETWORK (ANN) FOR PREDICTING NUMBER OF MATURE OOCYTES AT RETRIEVAL.** Baruch Abittan, M.D.¹, Jill Karten, M.D.², Alixandra Domney, M.D., M.P.H.², Jesse Stewart, B.A.³, Oren Segal, PhD.³ and Randi H. Goldman, M.D.¹, ¹Northwell Health Fertility, North Shore University Hospital/Donald and Barbara Zucker School of Medicine at Hofstra/Northwell, Manhasset, NY, ²Department of OBGYN, North Shore University Hospital/Donald and Barbara Zucker School of Medicine at Hofstra/Northwell, Manhasset, NY, ³Hofstra University, Hempstead, NY
- P-79 ARTIFICIAL NEURAL NETWORKS APPLIED FOR PREDICTION OF THE IMPLANTATION POTENTIAL BY USING EMBRYO MORPHOLOGY DYNAMICS.** Lorena Bori, M.Sc¹, Elena Paya, PhD Student², María de los Ángeles Valera, PhD Student¹, Jose Alejandro Remohi, MD, PhD³, Valery Naranjo, PhD⁴ and Marcos Meseguer, PhD⁵, ¹IVIRMA Global, Valencia, Spain, ²IVIRMA Global, Instituto de Investigación e Innovación en Bioingeniería (I3B), Valencia, Spain, ³IVI Foundation IVIRMA, Paediatrics, Obstetrics and Gynaecology Department, Valencia University, Valencia, Spain, ⁴Universitat Politècnica de Valencia, Valencia, Spain, ⁵IVIRMA Global, Valencia, Spain, Valencia, Spain
- P-80 IMPACT OF A COMMERCIALLY AVAILABLE SPERM SEPERATION DEVICE (ZYMOT MULTI) ON SPERM DNA QUALITY COMPARED TO DENSITY GRADIENT SEPERATION WITH SWIM UP.** Alexander Lagunov, MSc¹, William B Schoolcraft, MD² and Jason E Swain, PhD, HCLD², ¹CCRM Toronto, Toronto, ON, Canada, ²CCRM Fertility Network, Lone Tree, CO
- P-81 MACS TECHNOLOGY APPLIED FOR SPERM SELECTION IMPROVES BLASTOCYST QUALITY; A CONTINUOUS EMBRYO MONITORING STUDY.** Laura Romany, PhD¹, Thamara Vitoria, PhD², Belén Aparicio-Ruiz, PhD¹,
- P-82 EXTERNAL VALIDATION OF AN AI SYSTEM FOR BLASTOCYST IMPLANTATION PREDICTION.** Chloe Hardy, MSc¹, Spilios Theodoratos, MSc², Georgia Panitsa, PhD², Jeanette Walker, BA², Stephen Harbottle, BSc¹ and Ioannis A Sfontouris, PhD³, ¹Cambridge IVF, Cambridge, United Kingdom, ²Business Insight Corporation, Cambridge, United Kingdom, ³University of Nottingham, Nottingham, United Kingdom
- P-83 FIRST APPLICATION OF ARTIFICIAL NEURONAL NETWORKS FOR HUMAN LIVE BIRTH PREDICTION ON GERI TIME-LAPSE MONITORING SYSTEM BLASTOCYST IMAGES.** Lucia Alegre, PhD¹, Lorena Bori, M.Sc¹, María de los Ángeles Valera, PhD Student², Marcelo Fábio Gouveia Nogueira, PhD³, André Satoshi Ferreira, Undergraduate³, José Celso Rocha, PhD³ and Marcos Meseguer, PhD⁴, ¹IVIRMA Global, Valencia, Spain, ²IVIRMA Global; IVI Foundation, Valencia, Spain, ³Universidade Estadual Paulista (UNESP), Faculdade de Ciências e Letras (Câmpus de Assis), Assis - SP, Brazil, ⁴IVIRMA Global, Valencia, Spain, Valencia, Spain
- P-84 NOVEL ARTIFICIAL INTELLIGENCE ALGORITHM FOR IMPROVING EMBRYO SELECTION COMBINING MORPHOKINETICS AND NON-INVASIVE MEASUREMENT OF OXIDATIVE STRESS.** María de los Ángeles Valera, PhD Student¹, José Celso Rocha, PhD², Lorena Bori, M.Sc³, Lucia Alegre, PhD³, Marcelo Fábio Gouveia Nogueira, PhD², Dóris Spinosa Chéles, Masters Student² and Marcos Meseguer, PhD⁴, ¹IVIRMA Global; IVI Foundation, Valencia, Spain, ²Universidade Estadual Paulista (UNESP), Faculdade de Ciências e Letras (Câmpus de Assis), Assis - SP, Brazil, ³IVIRMA Global, Valencia, Spain, ⁴IVIRMA Global, Valencia, Spain, Valencia, Spain
- P-85 THE USE OF DEEP CONVOLUTIONAL NEURAL NETWORKS (CNN) TO OBJECTIVELY ASSESS THE ROLE OF ABSTINENCE ON IVF DEVELOPMENTAL OUTCOMES.** Stylianos

POSTER PRESENTATIONS

- Vagios, MD¹, Irene Souter, MD¹, Caitlin Sacha, MD¹, Manoj Kumar Kanakasabapathy, MS², Prudhvi Thirumalaraju, BS², Charles L Bormann, PhD¹ and Hadi Shafiee, PhD², ¹Massachusetts General Hospital, Harvard Medical School, Boston, MA, ²Brigham and Women's Hospital, Harvard Medical School, Boston, MA
- P-86 THE USE OF DEEP-LEARNING CONVOLUTIONAL NEURAL NETWORKS (CNN) TO OBJECTIVELY COMPARE TWO DIFFERENT EMBRYO CULTURE MEDIA.** Irene Dimitriadis, MD¹, Stylianos Vagios, MD¹, Irene Souter, MD¹, Caitlin Sacha, MD¹, Manoj Kumar Kanakasabapathy, MS², Prudhvi Thirumalaraju, BS², Charles L Bormann, PhD¹ and Hadi Shafiee, PhD², ¹Massachusetts General Hospital, Harvard Medical School, Boston, MA, ²Brigham and Women's Hospital, Harvard Medical School, Boston, MA
- P-87 A PROSPECTIVE MULTI-CENTER, RANDOMIZED STUDY TO COMPARE THE IMPLANTATION RATE (IR) OF EMBRYOS CULTURED AND ASSESSED USING TIME-LAPSE TECHNOLOGY (TLT) VS A CONVENTIONAL INCUBATOR (CI) SYSTEM.** Xiaodong Zhang, MSc¹, Guoning Huang, BSc¹, Yingpu Sun, PhD², Haixiang Sun, PhD³, Xiaohong Wang, PhD⁴, Song Quan, MSc⁵, Qi Yu, PhD⁶ and Ruizhi Liu, PhD⁷, ¹Chongqing Medical Center for Women and Children, Chongqing, China, ²The First Affiliated Hospital of Zhengzhou University, Zhengzhou, China, ³Nanjing Drum Tower Hospital, Jiangsu, China, ⁴Tangdu Hospital of the Fourth Military Medical University, Shaanxi, China, ⁵The First Affiliated Hospital of South Medical University, Guangdong, China, ⁶Peking Union Medical College Hospital, Beijing, China, ⁷The First Affiliated Hospital of Jilin University, Jilin, China
- P-88 A COMPUTER-VISION BASED TOOL FOR THE AUTOMATIC IDENTIFICATION OF BLASTOCYSTS' REGIONS. A STEP CLOSER TO DECODING TIME-LAPSE?** Alejandro Chavez-Badiola, MD¹, Adolfo Flores-Saiffe Farias Sr., PhD², Roberto Valencia, MSc, PhD², Gerardo Mendizabal-Ruiz, PhD³, Andrew J Drakeley, MD FRCOG⁴ and IVF 2.0, ¹IVF 2.0 LTD, Maghull, United Kingdom, ²IVF 2.0 LTD, Liverpool, United Kingdom, ³Universidad de Guadalajara, Guadalajara, JA, Mexico, ⁴Liverpool Women's Hospital, Liverpool, United Kingdom
- P-89 IMPROVEMENT OF AN AUTOMATIC PRONUCLEAR DETECTION SYSTEM BY DEEP LEARNING TECHNOLOGY USING MULTI-SLICE IMAGES.** Yuta Kida, M.S.¹, Noritaka Fukunaga, Ph.D.¹, Sho Sanami, Ph.D.², Hiroyuki Watanabe, M.S.¹, Yuji Tsuzuki, M.S.², Hiroya Kitasaka, Ph.D.¹, Seiji Takeda, M.S.², Fumiya Kondo, M.S.¹, Sho Takeda, B.S.¹ and Yoshimasa Asada, M.D., Ph.D.¹, ¹Asada Ladies Clinic, Nagoya, Japan, ²Dai Nippon Printing Co., Ltd., Tokyo, Japan
- P-90 NEXT-GENERATION SEQUENCING DEMONSTRATES THAT IDENTIFICATION OF PRESUMED ROUND SPERMATIDS BASED SOLELY ON MICROSCOPIC APPEARANCE IS FREQUENTLY INACCURATE.** Brent M Hanson, MD¹, Xin Tao, Ph.D.², Tianhua Zhao, MD³, Andrew F Carmody, BA³, Brian K Ackerman, MBS³, Julia G Kim, MD, MPH¹, Kathleen Hong, MD¹, Philip J Cheng, MD¹, James Hotaling, MD⁴ and Richard Thomas Scott Jr., MD⁵, ¹IVI-RMA New Jersey, Basking Ridge, NJ, ²Foundation for Embryonic Competence, Basking Ridge, NJ, ³IVIRMA, Basking Ridge, NJ, ⁴University of Utah School of Medicine Andrology and IVF Laboratories, Salt Lake City, UT, ⁵IVI RMA New Jersey, Basking Ridge, NJ
- P-92 EVIDENCE FOR SUPERIOR BLASTOCYST COHORT RANKING USING ARTIFICIAL INTELLIGENCE BASED ON RETROSPECTIVE CLINICAL PREGNANCY RESULTS.** Matthew David VerMilyea, PhD¹, Milad A Dakka, PhD², Jonathan MM Hall, PhD³, Sonya M Diakiw, PhD², Tuc Van Nguyen, PhD², Don Perugini, PhD², Kaylen Silverberg, MD⁴ and Michelle Perugini, PhD², ¹Ovation Fertility, San Antonio, TX, ²Presagen and Life Whisperer, Adelaide, SA, Australia, ³Australian Research Council Centre of Excellence for Nanoscale Biophotonics, Adelaide, SA, Australia, ⁴Texas Fertility Center, Austin, TX
- P-93 EFFECT OF THE GERI INCUBATOR ON CLINICAL OUTCOMES IN FRESH TRANSFER ART CYCLES.** Conor Harrity, MRCOG, MRCPI¹, Hans Arce, Medical doctor², Rafe Ebrahimi Ghaei, MB BCh BAO LRCPI LRCSI¹, Declan Keane, MSc, MBA³ and Claire Moran, PhD³, ¹ReproMedIreland, Dublin, Ireland, ²34 Larkfield Way, Dublin, Ireland, ³ReproMed Ireland, Dublin, Ireland

POSTER PRESENTATIONS

- P-94 A SYNTHETIC DATA SET OF 3D OOCYTE IMAGES AND MACHINE LEARNING ALGORITHM AS A MODEL TO ASSESS THE REPRODUCTIVE POTENTIAL OF OOCYTES.** Gerard Letterie, MD¹ and Nathan Kundtz, PhD², ¹Seattle Reproductive Medicine, Seattle, WA, ²Rendering AI, Bellevue, WA
- P-95 AUTOMATIC IMAGE SEGMENTATION AND QUANTITATIVE COMPONENT MEASUREMENTS ON HUMAN BLASTOCYST IMAGES USING ARTIFICIAL INTELLIGENCE (AI) IN ASSESSING MORPHOLOGY GRADING AND PREDICTING IMPLANTATION AND LIVE BIRTH OUTCOMES.** Jason KM Au, MSc¹, May Tian, MSc¹, Reza Moradi, Ph.D.², Parvaneh Saeedi, PhD² and Jon C Havelock, MD, FRCSC, DABOG¹, ¹Pacific Centre for Reproductive Medicine, Burnaby, BC, Canada, ²Simon Fraser University, Burnaby, BC, Canada
- P-96 EMBRYOLOGIC OUTCOMES IN INTRACYTOPLASMIC SPERM INJECTION (ICSI) CYCLES UTILIZING SPERM SELECTED VIA A MICROFLUIDICS DEVICE COMPARED TO STANDARD SELECTION.** Prachi N Godiwala, MD, Jane L Kwieraga, BSc TS, Reeva B Makhijani, MD, Chantal Bartels, MD, Alison Bartolucci, PhD, Daniel R Grow, MD, John Nulsen, MD, Claudio A Benadiva, MD and Lawrence Engmann, MD, Center for Advanced Reproductive Services, University of Connecticut School of Medicine, Farmington, CT
- P-97 SEQUENTIAL VERSUS SINGLE STEP CULTURE MEDIA IN RELATION TO EUPLOIDY RATES IN PGTAI PROGRAM: PRELIMINARY DATA.** Manar Hozyen, MSc¹, Amr Elshimy, BSc¹ and Nawal Mohamed, Ashrakat Abdeltawab, Hana Elkhader, Hosam Zaki, ¹Ganin Fertility Center, Cairo, Egypt
- P-98 LASER ASSISTED HATCHING OF HUMAN EMBRYOS AT FERTILIZATION CHECK, ON DAY 1 OF CULTURE, ALLOWS FOR CONTINUOUS UNINTERRUPTED TIME-LAPSE INCUBATION OF 5+ DAYS, WHILE PRODUCING HATCHING BLASTOCYSTS AS EXPECTED.** Hannah Virginia Aycock, B.S.¹, Nasario E Ramos, BS¹, Deborah E Johnson, MA¹, Zachary Haimowitz, B.S.¹, Alin Lina Akopians, MD, PhD² and Jason A Barritt, PhD¹, ¹ART Reproductive Center, Beverly Hills, CA, ²Southern California Reproductive Center, Beverly Hills, CA
- P-99 EMBRYO AUTOMATIC DIAGNOSTIC TEST; BLASTULATION, ANEUPLOIDY AND IMPLANTATION RATE PREDICTION.** Sonia Perez-Albala, PhD¹, Belén Aparicio-Ruiz, PhD², Lorena Bori, M.Sc³, Jose Alejandro Remohi, MD, PhD¹, Thamara Vilorio, PhD² and Marcos Meseguer, PhD⁴, ¹IVIRMA Valencia, Valencia, Spain, ²IVIRMA, Valencia, Spain, ³IVIRMA Global, Valencia, Spain, ⁴IVIRMA Global, Valencia, Spain
- P-100 IDENTIFYING INHERENT POOR QUALITY EMBRYO DATA USING ARTIFICIAL INTELLIGENCE TO IMPROVE AI PERFORMANCE AND CLINICAL REPORTING.** Milad A Dakka, PhD¹, Matthew David VerMilyea, PhD², Tuc Van Nguyen, PhD¹, Don Perugini, PhD¹, Sonya M Diakiw, PhD¹, Kaylen Silverberg, MD³, Jonathan MM Hall, PhD⁴ and Michelle Perugini, PhD¹, ¹Presagen and Life Whisperer, Adelaide, SA, Australia, ²Ovation Fertility, San Antonio, TX, ³Texas Fertility Center, Austin, TX, ⁴Australian Research Council Centre of Excellence for Nanoscale Biophotonics, Adelaide, SA, Australia
- P-101 A STRATEGY TO VALIDATE THE INTRODUCTION OF TIME-LAPSE INCUBATOR IN THE LABORATORY.** Ricardo Azambuja, DVM, PhD, Bibiana Cunegatto, Msc, Marta Ribeiro Hentschke, MD, PhD, Alice Tagliani Ribeiro, Msc, Fabiana Mariani Wingert, DVM, Victória Campos Dornelles, MD, Vanessa Devens Trindade, MD, Msc, Alvaro Petracco, MD, PhD and Mariangela Badalotti, MD, PhD, Fertilitat-Centro de Medicina Reprodutiva, PORTO ALEGRE, Brazil
- PD1-05 POSTER SESSION: ART PROCEDURES AND TECHNIQUES**
- P-102 GERMLINE TRANSMISSION OF DONOR mtDNA IN TRANS-MITOCHONDRIAL MONKEYS.** Crystal Van Dyken, BS¹, Hong Ma, PhD¹, Hayley Darby, MS¹, Aleksei Mikhailchenko, PhD¹, Nuria Marti-Gutierrez, PhD¹, Amy Koski, BS², Ying Li, MS¹, Dan Liang, PhD¹, Rebecca

POSTER PRESENTATIONS

- Tippner-Hedges, MS¹, Travis Hodge, HT³, Heather M Sidener, DVM, DACLAM³, Cathy Ramsey, BS³, Paula Amato, MD¹ and Shoukhrat Mitalipov, PhD¹, ¹Oregon Health & Science University, Portland, OR, ²5204 SE 36th PL, Portland, OR, ³Oregon Health & Science University, Beaverton, OR
- P-103** **AUTOMATED OOCYTE AND ZYGOTE DENUDDATION USING A NOVEL MICROFLUIDIC DEVICE.** Javier Guerrero Sánchez, Embryologist¹, Joana Sales Fidalgo, PhD¹, Yolanda Cabello, PhD, Sr. Embryologist¹, Ignacio Hernández Montilla, Engineer¹, Pablo Carasa, Engineer¹, David Cancio-Villalonga, Engineer¹, Daniel Garcia, Engineer¹, Susana Cortes, Sr. Embryologist², Laura García De Miguel, Gynecologist², Lionel Matthys, Engineer¹, Santiago Munne, PhD¹ and Jose A Horcajadas, PhD¹, ¹Overture Life, Madrid, Spain, ²Tambre, Madrid, Spain
- P-104** **DOES A LOW SERUM ESTRADIOL CONCENTRATION PRIOR TO START OF PROGESTERONE HAVE AN ADVERSE EFFECT ON LIVE BIRTH IN FROZEN EMBRYO TRANSFER CYCLES, EVEN WHEN ENDOMETRIAL THICKNESS IS ADEQUATE?** Karrie A. B. Walker, D.O.¹, Kiley Hunkler, M.D.², Amalia Namath, M.D.³, Samad Jahandideh, PhD³, Saioa Torrealday, MD², John M Csokmay, MD², Eric A Widra, M.D.⁴, Mae W Healy, DO², Kate Devine, MD³ and Micah J Hill, DO², ¹National Institutes of Health, Eunice Kennedy Shriver National Institute of Child Health and Human Development, Bethesda, MD, ²Walter Reed National Military Medical Center, Bethesda, MD, ³Shady Grove Fertility Center, Rockville, MD, ⁴SG Fertility, Washington, DC
- P-105** **WITHDRAWN**
- P-106** **AN APPLICATION OF THE ASRM EMBRYO TRANSFER SIMULATOR: CORRELATION OF EJECTION VELOCITY WITH CLINICAL OUTCOMES.** Angela Q Leung, MD¹, Katherine M. Baker, MD², Denny Sakkas, PhD¹, Thomas L. Toth, MD¹ and Alan S Penzias, M.D.³, ¹Boston IVF, Waltham, MA, ²Beth Israel Deaconess Medical Center, Boston, MA, ³Beth Israel Deaconess Medical Center/Harvard Medical School, Boston, MA
- P-107** **ASSOCIATIONS BETWEEN EMBRYO BIOPSY AND OBSTETRICAL AND NEONATAL OUTCOMES FOLLOWING FROZEN-THAWED SINGLE EMBRYO TRANSFER.** Cynthia K Sites, MD¹, Sophia Bachilova, MD¹, Daksha Gopal, MPH², Howard J Cabral, PhD, MPH², Charles C Coddington, MD³ and Judy E Stern, PhD⁴, ¹University of Massachusetts Medical School–Baystate, Springfield, MA, ²Boston University, Boston, MA, ³University of North Carolina, Charlotte, NC, ⁴Dartmouth-Hitchcock, Lebanon, NH
- P-108** **PERINATAL OUTCOME FROM THE TRANSFER OF FROZEN, EUPLOID, BLASTOCYSTS BIOPSIED ON DAY 7.** Margeaux Oliva, MD¹, Devora Aharon, MD¹, Joseph A. Lee, BA², Carlos Hernandez-Nieto, MD², Eric Flisser, MD², Alan B Copperman, MD¹ and Lucky Sekhon, MD², ¹Icahn School of Medicine at Mount Sinai, New York, NY, ²Reproductive Medicine Associates of New York, New York, NY
- P-109** **VITAMIN D3 (25 OH D) LEVELS IN FOLLICULAR FLUID STRONGLY CORRELATE WITH DEVELOPMENTAL POTENTIAL AND GRADES OF EMBRYO IN IVF CYCLES.** Natchandra Manohar Rao Chimote, M.Sc., Ph.D¹ and Bindu N. Chimote, M.Sc., M.Phil, Ph.D.(Biochemistry); M.Sc. Clinical Embryology (Leeds-UK)², ¹Scientific Director, Vaunshdharma Fertility Centre, Nagpur, India, ²Consultant Clinical Embryologist, Nagpur, India
- P-110** **A PROMISING LIGAND AND MICROFLUIDICS SPERM SEX SELECTION METHOD.** Stephanie Cheung, B.S., Philip Xie, B.S., Alessandra Parrella, M.Sc., Derek Keating, B.A., Zev Rosenwaks, M.D. and Gianpiero D. Palermo, M.D., Ph.D., The Ronald O. Perleman and Claudia Cohen Center for Reproductive Medicine, Weill Cornell Medicine, New York, NY
- P-111** **MANIPULATION OF pH AT DAY 0 MAY IMPACT BLASTOCYST MORPHOLOGY.** Tuong V.D. Pham, B.S.¹, Randall Dunn, M.D.¹, Subodh Chauhan, M.D.¹, Leah Schenk, M.D.¹, Rakesh Mangal, M.D.¹, Wan-Song A Wun, PhD² and Aspire Fertility, ¹Aspire Fertility, Houston, TX, ²Harvest Fertility, Arcadia, TX

POSTER PRESENTATIONS

- P-112 FEMALE EMBRYOS ARE MORE SUSCEPTIBLE TO PERTURBATIONS IN DNA METHYLATION IN FROZEN-THAW EMBRYO TRANSFER CYCLES.** Suneeta Senapati, MD MSCE¹, Jayashri Ghosh, PhD², Sneha Mani, PhD¹, Charikleia Kalliora, MD, MSc¹, Elizabeth Ruiz, BA, MHS¹, Christos Coutifaris, MD, PhD¹, Carmen Sapienza, PhD² and Monica Mainigi, MD¹, ¹University of Pennsylvania, Philadelphia, PA, ²Temple University, Philadelphia, PA
Center, New York, NY
- P-113 DNA METHYLATION DIFFERENCES IN LIVER OF MICE CONCEIVED BY IN VITRO FERTILIZATION.** Saúl Lira-Albarrán, M.D., D. Sc.¹, Xiaowei Liu, Ph.D² and Paolo Rinaudo, MD, PhD³, ¹University of California San Francisco, San Francisco, CA, ²UCSF REI fellow, San Francisco, CA, ³UCSF, San Francisco, CA
- P-114 PREDICTING NUMBER OF MATURE OOCYTES AT RETRIEVAL: A MACHINE-LEARNING MODEL FOR PATIENT COUNSELING.** Baruch Abittan, M.D.¹, Jill Karten, M.D.², Alixandra Domney, M.D., M.P.H.², Weiwei Shan, MS PhD³ and Randi H. Goldman, M.D.¹, ¹Northwell Health Fertility, North Shore University Hospital/Donald and Barbara Zucker School of Medicine at Hofstra/Northwell, Manhasset, NY, ²Department of OBGYN, North Shore University Hospital/Donald and Barbara Zucker School of Medicine at Hofstra/Northwell, Manhasset, NY, ³Northwell Health Department of Biostatistics, New Hyde Park, NY
- P-115 BETTER LATE THAN NEVER?: IMMATURE OOCYTES THAT MATURE IN-VITRO LATER ON THE DAY OF RETRIEVAL AND UNDERGO INTRACYTOPLASMIC SPERM INJECTION ARE A VALUABLE SOURCE OF USABLE EMBRYOS** Rachel S Mandelbaum, MD, Meghan Brooke Smith, MD, Michael S Awadalla, MD, Brittany L Klooster, MD, Rachel Blair Danis, MD, Lynda K McGinnis, PhD, Jacqueline Ho, MD MS, Kristen Bendikson, MD, Richard J Paulson, MD, MS and Ali Ahmady, PhD, University of Southern California, Los Angeles, CA
- P-116 TRIGGER DAY FSH SUPPLEMENTATION AND EUPLOIDY.** Isaac J. Chamani, M.D.¹, David H. McCulloh, Ph.D.² and Frederick L. Licciardi, M.D.², ¹NYU School of Medicine, New York, NY, ²NYU Langone Fertility
- P-117 CLINICALLY IRRELEVANT EFFECT OF NON-APOPTOTIC SPERM SELECTION BY MAGNETIC ACTIVATED CELL SORTING BEFORE INTRACYTOPLASMIC SPERM INJECTION IN DONATED OOCYTES, AS MEASURED BY CUMULATIVE LIVE BIRTH RATES.** Maria Gil Julia, MSc, MRes¹, Fernando Quintana Sr., PhD², David Amoros, PhD³, Alberto Pacheco, PhD⁴, Cristina Gonzalez-Ravina, PhD⁵, Rocio Rivera-Egea, PhD⁶, Irene Hervas, MSc¹ and Nicolas Garrido, PhD¹, ¹IVI Foundation - IIS La Fe Biomedical Research Institute, Valencia, Spain, ²IVIRMA Bilbao, Bilbao, Spain, ³IVIRMA Barcelona, Barcelona, Spain, ⁴IVIRMA Madrid, Madrid, Spain, ⁵IVIRMA Sevilla, Sevilla, Spain, ⁶IVIRMA Valencia, Valencia, Spain
- P-118 OOCYTE STIMULATION/TRIGGER PROTOCOL CORRELATES WITH THE PROPORTION OF IMMATURE OOCYTES RETRIEVED IN ASSISTED REPRODUCTIVE TECHNOLOGY CYCLES.** Damla C Gonullu, MD¹, David H McCulloh, PhD², Cheongeun Oh, PhD², LeRoy G Robinson Jr., PhD², Sana Salih, MD¹ and David L Keefe, MD², ¹Wayne State University School of Medicine, Detroit, MI, ²NYU Grossman School of Medicine, New York, NY
- P-119 ULTRASONOGRAPHIC CHARACTERISTICS OF DEEP INFILTRATING ENDOMETRIOSIS FOLLOWING REPEATED OVARIAN HYPERSTIMULATION: AN OBSERVATIONAL PILOT STUDY.** Fabio Barra, MD¹, Matteo Tantari, MD¹, Gloria D'Alessandro, MD¹, Carolina Scala, MD² and Simone Ferrero, MD PhD¹, ¹IRCCS Ospedale Policlinico San Martino, Genova, Italy, ²Istituto G. Gaslini, Genova, Italy
- P-120 NIPT RESULTS IN PREGNANCIES RESULTING FROM EUPLOID EMBRYO TRANSFERS.** Rahana Harjee, MD¹, Gary S Nakhuda, MD² and Chen Jing, MSc³, ¹University of, BC, Canada, ²Olive Fertility Centre, Vancouver, BC, Canada, ³Biostatistic, Olive Fertility Centre, Vancouver, BC, Canada
- P-121 THE SAFETY AND EFFECTIVENESS OF MILD GONADOTROPIN STIMULATION/ INTRAUTERINE INSEMINATION IN IDIOPATHIC INFERTILITY. DO SHOTS WORK BETTER THAN PILLS?** Karissa C Hammer, MD, Stylianos

POSTER PRESENTATIONS

- Vagios, MD, Caitlin Sacha, MD, Irene Dimitriadis, MD, Charles L Bormann, PhD, Kaitlyn E James, PhD and Irene Souter, MD, Massachusetts General Hospital, Harvard Medical School, Boston, MA
- P-122 APPLICATION OF DROTAVERINE IN FROZEN-THAWED CYCLE: A SINGLE COHORT STUDY USING PROPENSITY SCORE ANALYSIS.** Tingting Li, Doctor¹, Panyu Chen, Master² and Cong Fang, PHD, MD², ¹Reproductive Medicine Research Center, Sixth Affiliated Hospital of Sun Yat-sen University, Guangzhou, China, ²The Sixth Affiliated Hospital of Sun Yat-sen University, Guangzhou, China
- P-123 FOLLICULAR ACTIVATION BY INTRAOVARIAN INJECTION OF AUTOLOGOUS PLATELET RICH PLASMA (PRP) IN WOMEN WITH PRIMARY OVARIAN INSUFFICIENCY (POI): IMPACT ON OVARIAN RESERVE AND IVF OUTCOME.** Yigit Cakiroglu, M.D.¹, Ayse Saltik, M.D.¹, Aysen Yuceturk, M.D.¹, Ozge Karaosmanoglu, M.D.¹, Sule Yildirim Kopuk, M.D.¹, Richard Thomas Scott Jr., MD², Bulent Tiras, M.D.¹ and Emre Seli, MD², ¹M.D., Istanbul, Turkey, ²IVI RMA New Jersey, Basking Ridge, NJ
- P-124 PREDICTORS AND CLINICAL SIGNIFICANCE OF RETAINED SINGLE EUPLOID EMBRYOS.** Devora Aharon, MD¹, Dmitry Gounko, MA², Rose Marie Roth, MSc, TS(ABB), CLT (NYS)², Richard Slifkin, BA, TS(ABB), CLT(NYS)², Christine Briton-Jones, PhD, HCLD², Joseph A. Lee, BA² and Alan B Copperman, MD¹, ¹Icahn School of Medicine at Mount Sinai, New York, NY, ²Reproductive Medicine Associates of New York, New York, NY
- P-125 IS MOCK EMBRYO TRANSFER AN ADD-ON? A REVIEW OF CURRENT CLINICAL PRACTICE AND A SYSTEMATIC REVIEW OF PUBLISHED EVIDENCE** Yusuf Beebeejaun, MRCOG MHDL MBBS BSc(Hons)¹, Ippokratis Sarris, MRCOG DM² and James M N Duffy, DPhil MRes PG HCL MBChB BSc (Hons)³, ¹King's College London, London, United Kingdom, ²King's Fertility, London, United Kingdom, ³Institute for Women's Health, University College London, Greater London, United Kingdom
- P-126 DOES THE INTERVAL TIME BETWEEN OVULATION TRIGGERING AND OOCYTE PICK UP AFFECT BIOLOGICAL RESULTS IN LOW, NORMAL AND HIGH OVARIAN STIMULATION RESPONDERS ?** Marouen Braham, Associate Professor, Khadija Kacem, Associate Professor, Basma Jardak, Medical Doctor, Zeineb Zemni, Medical Doctor, Sarah Amari, Medical Doctor, Manel Hamdoun, Associate Professor, Olfa Bahri, Professor, Nozha Chakroun, Professor, Fethi Zhioua, Professor and Anis Fadhlouai, Associate Professor, Aziza Othmana University hospital, Tunis, Tunisia
- P-127 INTRAUTERINE INJECTION OF HUMAN CHORIONIC GONADOTROPIN BEFORE EMBRYO TRANSFER: A RANDOMIZED CONTROLLED TRIAL.** Karim S. Abdallah, MSc¹, Esraa Badran, MD¹, Ahmed M. Abdelmagied, MD¹, Ihab M. El-Nashar, MD¹, Tarek K. Al-Hussaini, MD, FRCOG¹, Tarek Farghaly, MD¹, Hazem Saadeldine, MD¹, Rui Wang, MD, PhD², Ben W. Mol, MD, PhD Prof² and Ahmad Makhoul, MD¹, ¹Department of Obstetrics and Gynecology, Faculty of Medicine, Assiut University, Assiut, Egypt, ²Department of Obstetrics and Gynaecology, Monash University, Melbourne, VIC, Australia
- P-128 PROLONGED FOLLICULAR PHASE LENGTH COMPARED TO BASELINE CYCLE NEGATIVELY AFFECTS OUTCOMES IN NATURAL FROZEN EMBRYO TRANSFER CYCLES.** Phillip A Romanski, MD¹, Pietro Bortoletto, MD¹, Nirali J Shah, MD², Yung-Liang Liu, MD PHD², Pak Chung, M.D.¹ and Zev Rosenwaks, M.D.¹, ¹The Ronald O. Perelman and Claudia Cohen Center for Reproductive Medicine, Weill Cornell Medicine, New York, NY, ²Weill Cornell Medicine, New York, NY
- P-129 THE RELATIONSHIP BETWEEN NUMBER OF FOLLICLES 14mm OR GREATER AT TIME OF TRIGGER OF PREGNANCY RATES IN IUI CYCLES IN WOMEN 38 YEARS AND OLDER.** Maryam Al Shatti, MD¹, Namaa Steiner, MD², Russell Frank, M.D.¹, Jacob Ruiters-Ligeti, MD³ and Michael H. Dahan, M.D.², ¹McGill University Health Centre, Montreal, QC, Canada, ²Division of Reproductive Endocrinology and Infertility, McGill University Health Care Center, Montreal, QC, Canada, ³McGill University, Montreal, QC, Canada

POSTER PRESENTATIONS

- P-130 AFFORDABLE IVF: DETERMINANTS OF LIVE BIRTH OR ONGOING PREGNANCY AFTER FIRST CYCLE OF LETROZOLE (LTZ) – GONADOTROPIN (GN) MILD STIMULATION, IMMEDIATE ICSI, AND INTRAVAGINAL EMBRYO CULTURE.** Nicholas A Cataldo, MD, MPH¹, Karen R. Hammond, DNP, CRNP¹, Lisa J Ray, MS, HCLD² and Cecil A Long, MD¹, ¹America Institute for Reproductive Medicine, Birmingham, AL, ²ART Labs Unlimited, Streamwood, IL
- P-131 CLINICAL VALIDATION SUPPORTS THE CONCEPT OF UNIVERSAL WARMING PROTOCOLS FOR VITRIFIED HUMAN OOCYTES.** Cristina Labrado, B.Sc. and José Manuel Navarro, M.D., Instituto para el Estudio de la Biología de la Reproducción Humana, Sevilla, Spain
- P-132 DEVELOPING A MINIMUM DATA SET, KNOWN AS A CORE OUTCOME SET, FOR IVF RESEARCH.** James M N Duffy, DPhil MRes PG HCL MBChB BSc (Hons)¹, Yusuf Beebeejaun, MRCOG MBBS², Cindy Farquhar, FRANZCOG FRCOG MD MPH³ and COMMIT: Core Outcomes and Outcome Measures for Infertility Trials, ¹Institute for Women's Health, University College London, Greater London, United Kingdom, ²King's College London, London, United Kingdom, ³University of Auckland, Auckland, New Zealand
- P-133 AUTOMATED VITRIFICATION AND WARMING OF OOCYTES MEDIATED BY A NOVEL MICROFLUIDICS DEVICE.** Tamara Martin, Embryologist¹, Cristina Dosdá Munuera Jr., Embryologist¹, Joana Sales Fidalgo, PhD¹, Daniel Garcia, Engineer¹, David Cancio-Villalonga, Biomedical Engineer¹, Pablo Carasa, Engineer¹, Sara Álvarez-Argüelles, Engineer¹, Susana Cortes, Sr. Embryologist², Laura garcia De Miguel, PhD², Enrique Criado Sr., Embryologist³, Lionel Matthys, Engineer¹, Jose A Horcajadas, PhD¹ and Santiago Munne, PhD¹, ¹Overture Life, Madrid, Spain, ²Tambre, Madrid, Spain, ³OVOBANK, marbella, Spain
- P-134 TRANSFER OF CHROMOSOMAL-ABNORMAL EMBRYOS, PREVIOUSLY REFUSED SUCH TRANSFERS.** David H Barad, MD, MS¹, David F Albertini, PhD, MS¹, Emanuela Molinari, PhD¹, Pasquale Patrizio, M.D.² and Norbert Gleicher, MD³, ¹Center for Human Reproduction, New York, NY, ²Yale Fertility Center, New Haven, CT, ³Center for Human Reproduction, Foundation for Reproductive Medicine, Rockefeller University, Medical University Vienna, New York, NY
- P-135 ALTERNATIVE BLASTOCYST VITRIFICATION WARMING-DILUTION APPROACHES: DO VIRTUES OF THE KISS PRINCIPLE APPLY?** Mitchel C. Schiewe, Ph.D., H.C.L.D. (ABB)¹, Tannia Ochoa, BA¹, Casey Zeffiro, B.A., B.S., M.S.¹, Shane Zozula, B.S., T.S. (ABB)¹ and James Stachecki, PhD², ¹Ovation Fertility, Newport Beach, CA, ²Innovative Cryo Enterprises LLC, Linden, NJ
- P-136 SUPRISING RATE OF REBOUND IN FOLLICLE GROWTH AFTER CESSATION OF OVAIAN STIMULATION IN INITIAL NON-RESPONDERS.** Norbert Gleicher, MD¹, Andrea Weghofer, MD, PhD, MBA², Sarah K Darmon, PhD³, David F Albertini, PhD, MS³, Emanuela Molinari, PhD³ and David H Barad, MD, MS³, ¹Center for Human Reproduction, Foundation for Reproductive Medicine, Rockefeller University, Medical University Vienna, New York, NY, ²Medical University Vienna, Vienna, Austria, ³Center for Human Reproduction, New York, NY
- P-137 THE NEW STANDARD FOR OVULATION TRIGGERING SHOULD BE GnRH AGONIST OVER HCG DURING CONTROLLED OVARIAN STIMULATION FOR IVF/ICSI: A SYSTEMATIC REVIEW AND META-ANALYSIS.** Mathilde Bourdon, MD¹, Maeliss Peigné, MD², Celine Solignac, PharmD³, Bernadette M Darné, MD⁴, Solene Languille, PHD⁴, Khaled Pocate-Cheriet, MD¹ and Pietro Santulli, MD - PHD¹, ¹Université Paris Descartes, Sorbonne Paris Cité, Faculté de Médecine, Assistance Publique-Hôpitaux de Paris (AP-HP), Hôpital Universitaire Paris Centre, Centre Hospitalier Universitaire (CHU) Cochin, Paris, France, ²AP-HP- Université Sorbonne Paris Nord, Hôpital Jean Verdier, Bondy, France, ³Gedeon Richter France, Paris, France, ⁴Monitoring Force, Maisons Laffitte, France
- P-138 PROSPECTIVE RANDOMIZED COMPARATIVE TRIAL BETWEEN ESTRADIOL HEMIHYDRATE AND ESTRADIOL VALERATE FOR ENDOMETRIAL PREPARATION IN FROZEN-THAWED EMBRYO TRANSFER CYCLES.** Kundan Vasant Ingale Sr.,

POSTER PRESENTATIONS

- MBBS, DGO, DNB, FICOG, Kalyani Kundan Ingale, MBBS, DGO, DNB and Anjum Asif Shaikh, BAMS, Nirmiti Clinic. Center for Assisted Reproduction, Pune, India
- P-139** **SIMPLE NATURAL ALTERNATIVE PROCEDURE (SNAP) METHOD FOR BLASTOCYST BIOPSY.** Anthony R Anderson, D.HSc, Darleen Taylor, B.Sc., Elizabeth Williams, B.Sc., Donna Covington, B.Sc. and Ursula Balthazar, M.D., Aspire Fertility San Antonio, San Antonio, TX
- P-140** **LIVE BIRTH RATES AND OVARIAN HYPERSTIMULATION SYNDROME (OHSS) RISK WITH RECOMBINANT FOLLITROPIN ALFA BIOSIMILAR PREPARATIONS VERSUS ORIGINATOR PREPARATIONS: A SYSTEMATIC REVIEW AND META-ANALYSIS.** Su Jen Chua, Bachelor of Medicine¹, Salvatore Longobardi, MD², Ben W Mol, MD, PhD Prof³, Rui Wang, MD PhD⁴, Christos Venetis, MD, MSc, PhD⁵, Ashleigh Storr, PhD⁶ and Thomas M D'Hooghe, MD, PhD⁷, ¹Barwon Health, Victoria, Australia, ²Merck Healthcare KGaA, Darmstadt, KS, Germany, ³Monash University, School of Medicine, Melbourne, VIC, Australia, ⁴Monash University, Melbourne, VIC, Australia, ⁵University of New South Wales, Sydney, NSW, Australia, ⁶Flinders Fertility, Adelaide, SA, Australia, ⁷Merck Healthcare KGaA, Darmstadt, Germany
- P-141** **HUMAN UTERINE LAVAGE: EMBRYO SAFETY AND FIRST LIVE BIRTHS FROM IN VIVO CONCEIVED GENETICALLY SCREENED BLASTOCYSTS.** Sam Najmabadi, MD¹, José L Rivas, MD², Marlane Angle, PhD, HCLD³, Jacques Cohen, PhD, HCLD⁴, Alex Nadal, BA⁵, Ercan Bastu, MD⁶, Santiago Munné, PhD⁷, Sandra Ann Carson, MD⁸, John E Buster, MD⁹ and Steven T Nakajima, MD¹⁰, ¹Center for Reproductive Health & Gynecology, Beverly Hills, CA, ²Punta Mita Hospital, Punta Mita Fertility Center/Center for Reproductive Health & Gynecology, Punta de Mita, NA, Mexico, ³Laurel Fertility Care, San Francisco, CA, ⁴Althea Science Inc., Hudson, NY, ⁵Previvo Genetics Inc., Parker, CO, ⁶Acibadem University School of Medicine, Istanbul, Turkey, ⁷Overture Life, Madrid, Spain, ⁸Yale University, New Haven, CT, ⁹Brown University, Providence, RI, ¹⁰Stanford University School of Medicine, Sunnyvale, CA
- P-142** **EQUIVALENT BIOCHEMICAL PREGNANCY RATE BETWEEN FRESH AND FROZEN EMBRYO TRANSFERS.** Caitlin Boylan, BS¹, Jessica R Kanter, MD², Nathanael C Koelper, MPH³, Jennifer Mersereau, MD⁴ and Dara S. Berger, PhD⁵, ¹University of North Carolina, Raleigh, NC, ²University of Pennsylvania, Philadelphia, PA, ³University of Pennsylvania, Philadelphia, PA, ⁴UNC Fertility, Raleigh, NC, ⁵University of Pennsylvania, Division of Reproductive Endocrinology and Infertility, Philadelphia, PA
- P-143** **AUTOLOGOUS PLATELET-RICH PLASMA INJECTION INTO THE ENDOMETRIUM IN PATIENTS WITH UTERINE FACTOR INFERTILITY.** Zulfiia Nurudinovna Efendieva, Dr¹, Inna Anatolyevna Apolikhina, Professor², Elena Anatolyevna Kalinina, Professor², Tatiyana Anatolyevna Fyodorova, Professor², Dmitriy Mikhailovich Belousov, Dr² and Timur Khaisamudinovich Fathudinov, Professor², ¹I.M. Sechenov First Moscow State Medical University, Ministry of Healthcare of Russian Federation, Moscow, Russian Federation, ²National Medical Research Center for Obstetrics, Gynecology and Perinatology named after Academician V.I.Kulakov of Ministry of Healthcare of Russian Federation, Moscow, Russian Federation
- P-144** **TOP TEN RESEARCH PRIORITIES FOR MEDICALLY ASSISTED REPRODUCTION.** James M N Duffy, DPhil MRes PG HCL MBChB BSc (Hons)¹, Cindy Farquhar, FRANZCOG FRCOG MD MPH² and Priority Setting Partnership for Infertility, ¹Institute for Women's Health, University College London, Greater London, United Kingdom, ²University of Auckland, Auckland, New Zealand
- P-145** **SIGNIFICANT IMPROVEMENT IN SPERM MOTILITY IN SEMEN SAMPLES FROM ASTHENOZOOSPERMIC MEN BY USING CONTROLLED INCUBATION PROTOCOLS WITH SINGLE CONTINUOUS CULTURE MEDIUM (CSCM®).** Juliana Risso Pariz, PhD, Caroline Ranéa, BSc and Jorge Hallak, PhD, Universidade de Sao Paulo, Sao Paulo, Brazil

POSTER PRESENTATIONS

- P-146 CLINICAL PREGNANCY IN FROZEN EMBRYO TRANSFER WITH FRESH VERSUS VITRIFIED METAPHASE II OOCYTES IN AN EGG DONATION PROGRAM: A RETROSPECTIVE STUDY.** Carlos Manuel Duarte Sr., Bachelor¹, Victor Hernán Nuñez, Bachelor², Mayra Alessandra Guzman, Bachelor¹, Paola Stephanie Olavegoya, Bachelor in biology¹, Carlos Alberto Vivar, Bachelor¹, Elder Omar Benites, Bachelor³, Urso Victor Rodriguez, MSC³ and Carlos Alfredo Vergara, Bachelor³, ¹Biologist, Lima, Peru, ²Clinical Embryologist, Lima, Peru, ³Medical director, Lima, Peru
- P-147 NORMAL FERTILIZATION AND BLASTOCYST DEVELOPMENT RATES OF IN-VITRO FERTILIZATION INSEMINATION VS INTRA CYTOPLASMIC SPERM INJECTION.** Seyedeh Nahaleh Salvatian, MS¹, Deborah E Johnson, MA¹, Zachary Haimowitz, B.S.¹, Alin Lina Akopians, MD, PhD², Mark Surrey, MD² and Jason A Barritt, PhD¹, ¹ART Reproductive Center, Beverly Hills, CA, ²Southern California Reproductive Center, Beverly Hills, CA
- P-148 INTRAOVARIAN INJECTION OF AUTOLOGOUS PLATELET RICH PLASMA (PRP) ENHANCES OVARIAN FOLLICULOGENESIS.** Janelle M Jackman, MBBS¹, Shelena Ali-Bynom, M.D., M.P.H², John Zhang, MD, PhD¹, Alex Amberg, M.D.², Lana Lipkin, M.D.¹, Meir Olcha, M.D.¹ and Zaher Merhi, MD, HCLD³, ¹New Hope Fertility Center, New York, NY, ²The Brooklyn Hospital Center, Brooklyn, NY, ³SUNY Downstate University and New Hope Fertility Center, New York, NY
- P-149 ON THE UTILITY OF THE ENDOMETRIAL RECEPTIVITY ASSAY (ERA) TO CORRECT RECURRENT IMPLANTATION FAILURE (RIF): NOT AS SIMPLE AS IT SEEMS.** Bruce I Rose, MD, PhD¹, Lauren Cover, RN¹ and S E Brown, MD², ¹Brown Fertility LLC, Jacksonville, FL, ²Mayo Clinic College of Medicine and Science, Jacksonville, FL
- P-150 DIFFERENCES IN MORPHOKINETICS PARAMETERS BETWEEN EUPLOID MALE AND FEMALE BLASTOCYSTS AND ITS POTENTIAL IMPLICATION ON CLINICAL PREGNANCY RATES.** Aline R Lorenzon, PhD¹, Catherine Jacobs, BSc², Mariana Nicolielo, BSc², Fabiana Mendez, BSc², Mauricio B Chehin, MD, PhD³, Eduardo LA Motta, MD, PhD² and Jose Roberto Alegretti, MSc⁴, ¹Scientific Coordinator, Huntington Medicina Reprodutiva, Sao Paulo, Brazil, ²Huntington Medicina Reprodutiva, Sao Paulo, Brazil, ³Huntington Medicina Reprodutiva, São Paulo, Brazil, ⁴Huntington Medicina Reprodutiva, Embryology Department, Sao Paulo, Brazil
- P-151 STUDY OF LET 7 MIRNAS IN CUMULUS CELLS OF WOMEN UNDERGOING IVF.** Sofoklis Stavros, MD, PhD¹, Despoina Mavrogianni, Dr, PhD², Elmina Papatheodorou, Biologist¹, Maria Poulimenea, Biologist¹, Rami Raouasnte, MSc², Dimitris Loutradis, Professor¹ and Peter Drakakis, Professor², ¹Molecular Biology of Reproduction Unit and Recurrent Abortions Unit, Assisted Reproduction Division, Athens, Greece, ²Molecular Biology of Reproduction Unit and Recurrent Abortions Unit, Assisted Reproduction Division, Athens, Greece, Greece
- P-152 OUTCOMES AND CHARACTERISTICS OF PATIENTS WHO UNDERGO INTRAUTERINE INSEMINATION IMMEDIATELY FOLLOWING FAILED OOCYTE RETRIEVAL.** Pietro Bortoletto, MD, Stephanie Willson, MD, Phillip A Romanski, MD, Owen Davis, M.D. and Zev Rosenwaks, M.D., The Ronald O. Perelman and Claudia Cohen Center for Reproductive Medicine, Weill Cornell Medicine, New York, NY
- P-153 TOWARDS AUTOMATED SELECTION OF EMBRYOS FOR IVF BY THE INVESTIGATION OF CHANGES IN RELATIVE ENTROPY OVER TIME.** Shunping Wang, PhD¹, Dhananjay Bhaskar, MSc², Shiyun Zou, MS² and Denny Sakkas, PhD³, ¹Women & Infants' Fertility Center, Providence, RI, ²Brown University, Providence, RI, ³Boston IVF, Waltham, MA
- P-154 TO CURETTE OR NOT TO CURETTE; EFFICIENCY OF OOCYTE RETRIEVAL TECHNIQUE.** Seifeldin Sadek, MD¹, Hadi Ramadan, M.D.², Tamar Matitashvili, MD¹ and Laurel Stadtmauer, MD, PhD¹, ¹Jones Institute, Norfolk, VA, ²Eastern Virginia Medical School, Norfolk, VA
- P-155 DOSE ADJUSTMENT OF FOLLICLE-STIMULATING HORMONE (FSH) DURING OVARIAN STIMULATION AS PART OF**

POSTER PRESENTATIONS

MEDICALLY-ASSISTED REPRODUCTION IN CLINICAL STUDIES: A SYSTEMATIC REVIEW COVERING 10 YEARS (2007–2017).

Human M Fatemi, MD, PhD¹, Wilma Bilger, PhD², Deborah Denis, PhD³, Georg Griesinger, MD, PhD⁴, Antonio La Marca, MD, PhD⁵, Salvatore Longobardi, MD⁶, Mary C Mahony, PhD, HCLD³, Xiaoyan Yin, PhD³ and Thomas M D'Hooghe, MD, PhD⁶, ¹IVIRMA Middle East Fertility Clinic, Abu Dhabi, United Arab Emirates, ²Merck Serono GmbH, Darmstadt, Germany, ³EMD Serono, Inc., Rockland, MA, ⁴University Hospital Schleswig-Holstein, Lübeck, Germany, ⁵University of Modena and Reggio Emilia, Modena, Italy, ⁶Merck Healthcare KGaA, Darmstadt, Germany

P-156 DEVELOPMENT OF AN ARTIFICIAL INTELLIGENCE-BASED ASSESSMENT MODEL FOR PREDICTION OF PREGNANCY SUCCESS USING STATIC IMAGES CAPTURED BY OPTICAL LIGHT MICROSCOPY DURING IVF.

Jared Geller, NA (Undergraduate Student)¹, Ineabelle Collazo, BS², Raghav Pai, BS¹, Nicholas Hendon, BS², Soum D Lokeshwar, BS, MD, MBA¹, Himanshu Arora, PhD¹, Sabrina A. Gerkowicz, MD², Katherine L Palmerola, BS, MD² and Ranjith Ramasamy, M.D.¹, ¹University of Miami Miller School of Medicine, Miami, FL, ²IVFMD, South Florida Institute for Reproductive Medicine, Miami, FL

P-157 THE BENEFICIAL EFFECT FOR LBR OF SERUM LH (5-10IU/L) ON TRIGGER DAY WITH GnRH ANTAGONIST PROTOCOL.

Yanru Hou, MD, and Li Tian, MD, Peking University People's Hospital, Beijing, China

PD1-06 POSTER SESSION: CONTRACEPTION

P-158 INTRAUTERINE ADMINISTRATION OF A PHENOL-POLOXAMER GEL DISRUPTS EPITHELIAL INTEGRITY SUPPORTING DEVELOPMENT AS A PERMANENT CONTRACEPTIVE.

Tanner J Grenz, B.S.¹, Lauren Drew Martin, DVM², Shan Yao, MD¹, Jeffrey T Jensen, MD, MPH³, Ov D Slayden, PhD⁴ and Carol B Hanna, Ph.D.⁵, ¹Senior Research Assistant, Beaverton, OR, ²Assistant Chief/Associate Surgical Veterinarian, Beaverton, OR, ³Oregon Health & Science University, Portland,

OR, ⁴Professor, Beaverton, OR, ⁵Oregon National Primate Research Center, Beaverton, OR

P-159 HORMONAL CONTRACEPTIVE USE IS ASSOCIATED WITH SIGNIFICANTLY LOWER AMH LEVELS IN WOMEN OF REPRODUCTIVE AGE.

Sharon Briggs, PhD¹, Eduardo Hariton, MD, MBA², Talia Shirazi, MA¹ and Avner Hershlag, MD¹, ¹Modern Fertility, San Francisco, CA, ²University of California, San Francisco School of Medicine, San Francisco, CA

P-160 CHARACTERIZATION OF WOMEN ACCORDING TO THEIR SEXUAL SATISFACTION AFTER TREATMENT WITH THE NOVEL VAGINAL PH REGULATOR (VPR™) DURING THE AMPOWER STUDY.

Michael A. Thomas, MD¹, Kelly R. Culwell, MD, MPH², Clint Dart, MS³ and Brandon Howard, PhD², ¹University of Cincinnati, Cincinnati, OH, ²Evoform Biosciences, Inc., San Diego, CA, ³Health Decisions, Inc., Durham, NC

P-161 USE OF CONTRACEPTION AMONG ULTRA-ORTHODOX JEWS: A MATCHED CASE-CONTROL STUDY.

Yehuda Sabiner, MD¹, Misgav Rottenstreich, MD², Sorina Grisaru-Granovsky, MD PhD³ and Daniel S Seidman, MD⁴, ¹The Ruth and Bruce Rappaport Faculty of Medicine, Haifa, Israel, ²Shaare Zedek Medical Center, Jerusalem, Israel, ³Shaare Zedek Medical Center; The Hebrew University, Jerusalem, Israel, ⁴Assuta Medical Center, Tel, Israel

P-162 THE EFFECTS OF ORAL CONTRACEPTIVES IN HUMAN ENDOMETRIAL STEM CELLS DERIVED FROM MENSTRUAL BLOOD.

Gabrielle Ferrante Alves de Moraes, Ms¹, Doris Ferreira Moriyama, M.Med.Sci², Marcela de Oliveira Pinheiro, Bs¹ and Edson G Lo Turco, PhD³, ¹São Paulo Federal University, São Paulo, Brazil, ²Sao Paulo Federal University, School of Medicine, Department of Surgery, Division of Urology, Human Reproduction Section, Sao Paulo, Brazil, ³IonMedicine - Precision Medicine, Sao Paulo, Brazil

P-163 CONTRACEPTIVE CHOICES BY WEIGHT STATUS AMONG WOMEN IN THE UNITED STATES: AN ANALYSIS OF THE 2015-2017 NATIONAL SURVEY OF FAMILY GROWTH.

Omosalewa Itauma, MD, MPH¹, Chidinma

POSTER PRESENTATIONS

- Abara, MD², Damla C Gonullu, MD¹, Megan Fee, BS¹, Itauma Itauma, PhD³ and Awoniyi Olumide Awonuga, MD¹, ¹Wayne State University School of Medicine, Detroit, MI, ²Windsor University School Of Medicine, Cayon, MI, ³Wayne State University, Detroit, MI
- P-164 EXPLORING TECHNOLOGY-BASED INTERVENTIONS TO IMPROVE ORAL CONTRACEPTIVE PILL ADHERENCE: A CROSS-SECTIONAL SURVEY.** Anne Nichols Flynn, MD¹, Rachel Galvao, BA², Arden McAllister, MPH¹ and Sarita Sonalkar, MD, MPH¹, ¹University of Pennsylvania, Philadelphia, PA, ²University of Pennsylvania Perelman School of Medicine, Philadelphia, PA
- P-165 REPRODUCTIVE AUTONOMY AND CHOICE OF CONTRACEPTIVE METHOD.** Deena Elwan, MD and Shandhini Raidoo, MD, MPH, University of Hawaii, Honolulu, HI
- P-166 REPRODUCTIVE HEALTH AMONG FEMALE RESIDENT PHYSICIANS.** Cristina Adelia Zottola, MD¹, Adi Katz, MD, FACOG, FACS¹, Tung Ming Leung, PhD² and Moti Gulersen, MD, MSc³, ¹Northwell Health-Lenox Hill Hospital, New York, NY, ²Feinstein Institute for Medical Research, Great Neck, NY, ³Northwell Health-North Shore University Hospital/Long Island Jewish Medical Center, Manhasset, NY
- P-167 TO TREAT OR NOT TO TREAT: PERCEPTIONS OF THE INITIAL AMERICAN SOCIETY FOR REPRODUCTIVE MEDICINE COVID-19 RECOMMENDATIONS AMONG WOMEN'S HEALTH PROVIDERS.** Ashley M Wiltshire, MD¹, Tia Jackson-Bey, MD MPH², Zachary Walker, MD¹, Jasmine L Chiang, MD¹, Deidre Gunn, MD¹ and William W Hurd, MD, MPH¹, ¹University of Alabama at Birmingham, Birmingham, AL, ²Reproductive Medicine Associates of New York, New York City, NY
- P-168 PERCEIVED STRESS, INSOMNIA SEVERITY, AND THE IMPACT OF EVENTS AMONG IN VITRO FERTILIZATION (IVF) PATIENTS DURING THE CORONAVIRUS DISEASE 2019 (COVID-19) PANDEMIC.** Ariana Kam, BA, Jennifer Gottfried, BS², Julia E Mielezsko, BA², You J Kim, BS², Edward J Nejat, MD, FACOG² and Janelle Luk, MD, FACOG², ¹Generation Next Fertility, New York, NY
- P-169 MATURE HUMAN OOCYTES AND PRE-IMPLANTATION EMBRYOS ARE SUSCEPTIBLE TO SARS-COV-2 INFECTION BASED ON THE PRESENCE OF ACE2 AND TMPRSS2 PROTEINS.** Sandeep K Rajput, PhD¹, Deirdre Logsdon, MS¹, Shaihl A Khan, PhD², Rebecca Kile, MS², Heidi J Engelhorn, MS², Ye Yuan, PhD¹, Sue McCormick, BS¹, William B Schoolcraft, MD² and Rebecca L. Krisher, PhD², ¹Colorado Center for Reproductive Medicine, Lone Tree, CO, ²CCRM Colorado, Lone Tree, CO
- P-170 WE ARE HERE FOR YOU: INFERTILITY CLINIC WEBSITE COMMUNICATION DURING THE ESCALATING STAGES OF THE COVID-19 PANDEMIC.** Holly Mehr, MD MEd¹, Tia Jackson-Bey, MD MPH², Michelle Vu, MD³, Victoria Lee, BS¹, Christopher Herndon, MD⁴, Jacqueline Ho, MD MS⁵, Lusine Aghajanova, MD PhD⁶ and Molly M Quinn, MD¹, ¹University of California, Los Angeles, Los Angeles, CA, ²Reproductive Medicine Associates of New York, New York City, NY, ³University of Illinois at Chicago, College of Medicine, Chicago, IL, ⁴University of Washington, Seattle, WA, ⁵University of Southern California, Los Angeles, CA, ⁶Stanford University, Stanford, CA
- P-171 THE IMPACT OF CORONAVIRUS DISEASE 2019 (COVID-19) ON THE RELATIONSHIP BETWEEN THE STRESS LEVELS OF IN VITRO FERTILIZATION (IVF) PATIENTS AND THE AMOUNT OF TIME SPENT TRYING TO GET PREGNANT.** Ariana Kam, BA, Jennifer Gottfried, BS², Julia E Mielezsko, BA², You J Kim, BS², Mehriniso Khaydarova, BS², Edward J Nejat, MD, FACOG² and Janelle Luk, MD, FACOG², ¹Generation Next Fertility, New York, NY
- P-172 TELEMEDICINE AND AT-HOME IVF KIT: NOVEL APPLICATION DURING THE COVID-19 PANDEMIC.** Zaher Merhi, MD, HCLD and John Zhang, MD, PhD, SUNY Downstate University and New Hope Fertility Center, New York, NY
- P-173 RELATIONSHIPS BETWEEN SPECIFIC**

POSTER PRESENTATIONS

- INFERTILITY DIAGNOSES AND FERTILITY QUALITY OF LIFE (FERTIQOL), INSOMNIA, AND PERCEIVED STRESS DURING COVID-19 PANDEMIC.** Jennifer Gottfried, BS, Ariana Kam, BA, You J Kim, BS, Julia E Mielezsko, BA, Edward J Nejat, MD, FACOG and Janelle Luk, MD, FACOG, Generation Next Fertility, New York, NY
- P-174 IMPACT OF COVID-19 ON QUALITY OF LIFE AND PATIENT SATISFACTION AMONGST PATIENTS SEEKING FERTILITY EVALUATION AND TREATMENT.** Hillary Pearson, M.D.¹, Rachel P. Gerber, MD¹, Stephanie R. Brownridge, M.D.², Randi H. Goldman, M.D.² and Christine Mullin, M.D.², ¹Department of OBGYN, North Shore University Hospital/Donald and Barbara Zucker School of Medicine at Hofstra/Northwell, Manhasset, NY, ²Northwell Health Fertility, North Shore University Hospital/Donald and Barbara Zucker School of Medicine at Hofstra/Northwell, Manhasset, NY
- P-175 PATIENTS UNDERGOING ASSISTED REPRODUCTIVE CYCLES ARE MORE LIKELY TO FOLLOW UP AFTER ATTEMPTED OUTREACH COMPARED WITH INTRAUTERINE INSEMINATION CYCLES DURING THE COVID-19 PANDEMIC.** Chelsea Boltja, PA-C¹, John J Zhang, MD, PhD² and Meir Olcha, MD³, ¹Physician Assistant, New York, NY, ²New Hope Fertility Center, New York City, NY, ³New Hope Fertility Center, New York, NY
- P-176 COVID-19 PANDEMIC: A SURVEY ASSESSING CLINICAL PRACTICE CHANGES IN REPRODUCTIVE MEDICINE ACROSS THE NATION.** Andrea Starostanko, M.D.¹, Sophia D Halassy, M.D., M.S.², Abhinav Hasija, BS, MS³, Brady Gelvin, M.D.⁴, Michael A. Thomas, MD⁵, Julie Sroga Rios, MD⁶ and Suruchi Thakore, MD⁷, ¹University of Cincinnati Center for Reproductive Health, West Chester Township, OH, ²Ascension Providence Hospital, Southfield, MI, ³The Ohio State University-Fisher College of Business, Columbus, OH, ⁴University of Cincinnati College of Medicine, Cincinnati, OH, ⁵University of Cincinnati, Cincinnati, OH, ⁶University of Cincinnati, West Chester, OH, ⁷University of Cincinnati Medical Center, West Chester, OH
- P-177 UNIVERSAL SCREENING OF COVID-19 IN ASYMPTOMATIC PATIENTS STARTING FERTILITY TREATMENT IN NEW YORK CITY.** Alex Robles, MD¹, Brittany Noel Robles, MD, MPH², Laura C Gemmell, MD¹, Paula C. Brady, MD¹, Eric J. Forman, M.D.³ and Zev Williams, M.D., PhD.³, ¹Columbia University Medical Center, New York, NY, ²Wyckoff Heights Medical Center, Brooklyn, NY, ³Columbia University Fertility Center, New York, NY
- P-178 THE IMPACT OF COVID-19 ON FERTILITY CARE: AN EVALUATION OF SOCIETY FOR ASSISTED REPRODUCTION TECHNOLOGY (SART) MEMBER CLINICS' WEBSITES.** Seth J. Barishansky, M.D., M.S.¹, Miriam A. Andrusier, M.P.H.², Elizabeth A. Dilday, M.D.³, Angela K. Lawson, Ph.D.⁴ and Luis R. Hoyos, M.D.⁵, ¹The George Washington University School of Medicine and Health Sciences, Washington, DC, ²SUNY Downstate Health Sciences University, Brooklyn, NY, ³Department of Obstetrics and Gynecology, Division of Reproductive Endocrinology and Infertility, University of California, Los Angeles, Los Angeles, CA, ⁴Northwestern University Feinberg School of Medicine, Department of Obstetrics and Gynecology, Division of Reproductive Endocrinology and Infertility, Chicago, CA, ⁵UCLA, Los Angeles, CA
- P-179 PATIENT PERCEPTIONS AND IMPACT OF FERTILITY TREATMENT CANCELLATION RELATED TO COVID-19.** Hanna Kim, MD, Josette C Dawkins, MD, David M Owen, MD/Ph.D, Bruce R Carr, MD and Ellen Wilson, MD, UT Southwestern Medical Center, Dallas, TX
- P-180 IVF TREATMENT PRE- AND POST- THE ASRM COVID-19 PAUSE.** Joseph A. Lee, BA¹, Christine Briton-Jones, PhD, HCLD¹, Carlos Hernandez-Nieto, MD¹, Margaret Daneyko, RN¹, Beth McAvey, MD², Eric Flisser, MD¹, Daniel E. Stein, MD², Tanmoy Mukherjee, MD², Benjamin Sandler, MD² and Alan B Copperman, MD², ¹Reproductive Medicine Associates of New York, New York, NY, ²Icahn School of Medicine at Mount Sinai, New York, NY
- P-181 FERTILITY PRESERVATION DURING THE COVID-19 PANDEMIC: MODIFIED BUT UNCOMPROMISED.** Kara N. Goldman, M.D.,

POSTER PRESENTATIONS

- Jennifer Elvikis, MSN, RN, Elnur Babayev, MD, MSc and Kristin Smith, B.S., Northwestern University, Chicago, IL **P-187**
- P-182** **PATIENT REACTIONS ON SOCIAL MEDIA TO THE ASRM COVID TREATMENTS SUSPENSIONS.** Isaac J. Chamani, M.D.¹, David H. McCulloh, Ph.D.² and Frederick L. Licciardi, M.D.³, ¹NYU School of Medicine, New York, NY, ²NYU Langone Fertility Center, New York, NY, ³NYU Langone Health, New York, NY
- P-183** **MOTHERHOOD PLAN: HAS IT CHANGED IN FACE OF THE COVID-19 PANDEMICS?** Daniela Paes de Almeida Ferreira Braga, PhD, Amanda Souza Setti, MSc, Assumpto laconelli Jr., MD and Edson Borges Jr., PhD, Fertility Medical Group / Sapientiae Institute, Sao Paulo, Brazil
- P-184** **USING VIDEO VISITS FOR NEW PATIENT EVALUATIONS DURING COVID-19.** Juan J Andino, MD, MBA¹, Alex Zhu, DO¹, Chad Ellimoottil, MD, MS¹ and James M Dupree, M.D., M.P.H.², ¹Michigan Medicine, Ann Arbor, MI, ²University of Michigan, Ann Arbor, MI
- P-185** **COVID 19 PANDEMIC: ANXIETY AMONG PATIENTS WITH INFERTILITY IN IRAN.** Elham Neisani Samani, MD¹ and Farzaneh Nemati, MD², ¹University of Massachusetts, Amherst, MA, ²Qazvin University of Medical Sciences, Qazvin, MA, Iran (Islamic Republic of)
- P-188** **OPTIMAL STORAGE TEMPERATURE FROM THAWING OF CRYOPRESERVED OVARIAN TISSUE TO TRANSPLANTATION: XENOTRANSPLANTATION INTO NUDE MICE.** Nobuya Aono, Ph.D.¹, Ena Nakatsukasa, Ph.D.², Noriyuki Okuyama, M.Sc.¹, Yusuke Nakamura, BS¹, Sena Shibasaki, BS¹, Miho Mori, BS¹, Tomoko Hashimoto, M.D., Ph.D.¹, Toshikuni Sasaoka, M.D., Ph.D.² and Koichi Kyono, M.D., Ph.D.¹, ¹Kyono ART Clinic, Human Ovarian-tissue Preservation Enterprise (HOPE), Tokyo, Japan, ²Niigata University, Brain Research Institute, Niigata, Japan
- P-189** **HIGH SECURITY CLOSED DEVICES ARE EFFICIENT AND SAFE FOR VITRIFICATION TO PROTECT HUMAN OOCYTES FROM THE RISK OF VIRAL CONTAMINATION ESPECIALLY DURING THE COVID-19 PANDEMIC.** Eleonora Porcu, MD, Maria Lucrezia Tranquillo, BSc, Leonardo Notarangelo, BSc, Patrizia Maria Ciotti, BSc, Nilla Calza, BSc, Silvia Zuffa, Lab Technician, Lisa Mori, BSc, Elena Nardi, PhD, Maria Dirodi, MD, Linda Cipriani, MD, Giuseppe Damiano, MD and Francesca Sonia Labriola, Data Manager, Infertility and IVF Center, S.Orsola University Hospital, Medical and Surgical Sciences Department (DIMEC) University of Bologna, Bologna, Italy
- P-190** **STATUS QUO – OR IS IT TIME TO RECONSIDER THE VITRIFICATION METHOD RELATIVE TO THE RISK OF EMBRYO DISEASE TRANSMISSION IN CRYOSTORAGE?** Mitchel C. Schiewe, Ph.D., H.C.L.D. (ABB)¹, Shane Zozula, B.S., T.S. (ABB)¹, Nancy L. Nugent, MS¹, James
- PDI-08 POSTER SESSION: CRYOPRESERVATION**
- P-186** **DISTURBANCE IN OOCYTE MEMBRANE LIPIDS DURING EQUILIBRATION STEP OF THE VITRIFICATION PROTOCOL.** Thalita S Berteli, MSc¹, Eduardo D Borges, MSc¹, Caroline M Luz, MSc¹, Christina R Ferreira, PhD², Paula A Navarro, MD, PhD¹ and Alessandra A Vireque, PhD³, ¹Faculdade de Medicina de Ribeirão Preto, Universidade de São Paulo - Departamento de Ginecologia e Obstetrícia, Ribeirão Preto-SP, Brazil, ²Purdue University - Metabolite Profiling Facility, Bindley Bioscience Center, IN, ³Invitra – Assisted Reproductive Technologies LTD, Supera Innovation and Technology Park, Ribeirão Preto-SP, Brazil

POSTER PRESENTATIONS

- Stachecki, PhD² and Robert E. Anderson, MD³, ¹Ovation Fertility, Newport Beach, CA, ²Innovative Cryo Enterprises LLC, Linden, NJ, ³SCCRM, Newport Beach, CA
- P-191 RESEARCH ON THE RELATIONSHIP BETWEEN THE CAPACITY OF EMBRYO STORAGE TANKS AND THE ESTIMATED EMBRYO SALVAGE PERIOD WHEN TANKS ARE DAMAGED.** Manami Irie, B.S.¹, Akari Obashi, B.S.¹, Hiroshi Matsumoto, B.S.¹, Satoshi Mizuno, Ph.D.¹, Ippei Akezumi, B.S.², Isao Tsuji, M.D., Ph.D.¹, Aisaku Fukuda, M.D., Ph.D.¹ and Yoshiharu Morimoto, M.D., Ph.D.³, ¹IVF Osaka Clinic, Osaka, Japan, ²astec, Osaka, Japan, ³HORAC Grand Front Osaka clinic, Osaka, Japan
- P-192 AN UPDATE IN SPERM CRYOPRESERVATION: DETERMINATION OF MELATONIN CONCENTRATION USED AS ANTIOXIDANT AGENT IN PRE-FREEZING SAMPLES.** Larissa Namie Chiba, Bsc, Ana Clara Monteiro Barduchi, Bsc, Mayara Rodrigues, Bsc, Heloisa Faquineti, Bsc, Juliana Risso Pariz, PhD and Jorge Hallak, PhD, Androscience, Science and Innovation Center in Andrology and High-Complex Clinical and Andrology Laboratory, Sao Paulo, Brazil
- P-193 VITRIFICATION WITH CUMULUS CELLS: IMPACT ON FERTILIZATION AND SUBSEQUENT EMBRYO DEVELOPMENT.** Rocío Soledad laizzo, BSc, María Lovaglio Diez, BSc, Noelia Jorgelina Hechenleitner, BSc and Ariel Octavio Ahumada, PhD, Procreate, Buenos Aires, Argentina
- P-194 RETROSPECTIVE STUDY TO COMPARE BETWEEN HYALURONAN ENRICHED MEDIUM AND BLASTOCYST TRANSFER MEDIUM FOR FROZEN EMBRYO TRANSFER(FET) AND ITS IMPACT ON CLINICAL PREGNANCY RATE (CPR) IN PATIENTS WITH 2 OR MORE IVF-ICSI CYCLE FAILURES .** Fiyazur Rahman, M.Sc¹, Ankita Gupta, P.hD scholar², Dr. Rashmi Sharma, MD , DNB , FICOG³, Rohan Sharma, B.Sc⁴ and Dr. Navkiran k Kaur, Ph.D⁵, ¹chief embryologist, New delhi, India, ²Senior embryologist, Noida, India, ³head of department, New Delhi, India, ⁴Jr. Embryologist, New Delhi, India, ⁵Assistant professor, Noida, India
- P-195 THE DEVIL IS IN THE DETAILS: DISTRIBUTION OF CRYOPRESERVED OOCYTE MATURATION STAGE FOR PATIENTS UNDERGOING ONCOLOGY-INDICATED FERTILITY PRESERVATION.** Elnur Babayev, MD, MSc¹, Danielle E Strom, MD¹, Emma C. Trawick, M.D.² and Kara N. Goldman, M.D.³, ¹Northwestern University, Chicago, IL, ²Northwestern University, Feinberg School of Medicine, Chicago, IL, ³Northwestern University Feinberg School of Medicine, Department of Obstetrics and Gynecology, Division of Reproductive Endocrinology and Infertility, Chicago, IL
- P-196 WITHDRAWN**
- PD1-09 POSTER SESSION: EARLY PREGNANCY**
- P-197 IMPACT OF NON-VISUALIZED PREGNANCY LOSS HISTORY ON THE OUTCOME OF COUPLES WITH UNEXPLAINED RECURRENT PREGNANCY LOSS.** Sunaina Sharma, MD, MSc¹, Sarka Lisonkova, MD, PhD¹, Boris Kuzeljevic, MA², Paul Yong, MD, PhD¹ and Mohamed Ali Bedaiwy, M.D., Ph.D.³, ¹The University Of British Columbia, Vancouver, BC, Canada, ²BC Children's Hospital Research Institute, an agency of the Provincial Health Services Authority, Vancouver, BC, Canada, ³University of British Columbia, Vancouver, BC, Canada
- P-198 MATERNAL SERUM B-HCG LEVELS IN THE PERI-IMPLANTATION PERIOD ARE PREDICTIVE OF RISK FOR 3rd TRIMESTER HYPERTENSIVE DISORDERS IN IVF PREGNANCIES.** Samantha Simpson, MD¹, Seth Guller, PhD² and Lubna Pal, MBBS¹, ¹Yale University, Orange, CT, ²Yale School of Medicine, Orange, CT
- P-199 RISK FACTORS FOR SUBCHORIONIC HEMATOMA AFFECTED PREGNANCIES IN THE INFERTILE POPULATION.** Erin Inman, MD¹, Daniel Miranian, MD², Micaela J Stevenson, BS³, Molly B Moravek, MD, MPH¹ and Samantha B Schon, MD, MTR⁴, ¹University of Michigan, Ann Arbor, MI, ²Obstetrics and Gynecology, University of Michigan, Ann Arbor, MI, ³University of Michigan Medical School, Ann Arbor, MI, ⁴Reproductive Endocrinology and Infertility, University of Michigan, Ann Arbor, MI

POSTER PRESENTATIONS

- P-200 PREDICTIVE VALUE OF EARLY SERUM HCG LEVELS IN PROGRAMMED FROZEN EMBRYO TRANSFER CYCLES.** Brady I Magaoy, BA¹, Pietro Bortoletto, MD², Adamantios Athanasiou, MD², Antonia Iliana Athanasiou, MD², Phillip A Romanski, MD², Daylon James, PhD² and Steven Spandorfer, MD², ¹Weill Medical College of Cornell University, New York, NY, ²The Ronald O. Perelman and Claudia Cohen Center for Reproductive Medicine, Weill Cornell Medicine, New York, NY
- P-201 LUTEAL PHASE PROGESTERONE SUPPORT DOES NOT IMPROVE ONGOING PREGNANCIES IN TRUE NATURAL CYCLE CRYOPRESERVED BLASTOCYST EMBRYO TRANSFERS.** Ian Waldman, MD¹, Catherine Racowsky, PhD¹, Emily Disler, BS¹, Ann M Thomas, PhD², Andrea Lanes, PhD¹ and Mark D Hornstein, MD¹, ¹Brigham and Women's Hospital, Boston, MA, ²Brigham & Women's Hospital, Boston, MA
- P-202 RETAINED PRODUCTS OF CONCEPTION AFTER EARLY PREGNANCY LOSS: A CLOSER LOOK.** Vaishnavi Purusothaman, MD, MA¹, Emma M Rosen, MSPH² and Linnea R Goodman, MD¹, ¹University of North Carolina, Chapel Hill, NC, ²UNC Gillings School of Public Health, Chapel Hill, NC
- P-203 THE ASSOCIATION BETWEEN ECTOPIC PREGNANCY AND INFLAMMATORY BOWEL DISEASE, IRRITABLE BOWEL SYNDROME, AND CELIAC DISEASE: A SYSTEMATIC REVIEW AND META-ANALYSIS.** Jonah Imee Ramirez Talavera, BSc¹, Allison Parrill, BSc¹, Mohamed Ali Bedaiwy, M.D., Ph.D.², Chris Elsayad, MD, FACP³, John C Riggs, MD³ and Bo Peng, Ph.D.¹, ¹American University of the Caribbean, School of Medicine, Cupecoy, Sint Maarten (Dutch part), ²University of British Columbia, Vancouver, BC, Canada, ³Nassau University Medical Center, East Meadow, NY
- P-204 PREGNANCY ULTRASOUND MEASUREMENTS AND EARLY PREGNANCY LOSS: VALIDATION OF A PREDICTIVE MODEL.** Irene Peregrin-Alvarez, MD¹, Jennifer C Gordon, MD¹, Patricia Goedecke, MS¹ and Laura Detti, MD², ¹University of Tennessee Health Science Center, Memphis, TN, ²Cleveland Clinic, Cleveland, OH
- P-205 PREGNANCY LOSS RATES BY DEVELOPMENTAL STAGE AFTER SINGLE EUPLOID FROZEN-THAWED EMBRYO TRANSFER.** Devora Aharon, MD¹, Joseph A. Lee, BA², Jeffrey Klein, MD², Matthew A Lederman, MD², Beth McAvey, MD¹ and Alan B Copperman, MD¹, ¹Icahn School of Medicine at Mount Sinai, New York, NY, ²Reproductive Medicine Associates of New York, New York, NY
- P-206 IS EARLY HCG PREDICTIVE OF PREGNANCY AFTER ESET IN BOTH FRESH AND FET CYCLES?** Fady I Sharara, M.D., Anna Lysenko-Brockman, MS and Haneen Taha, MS, Virginia Center for Reproductive Medicine, Reston, VA
- P-207 CHROMOSOMAL ASSOCIATIONS AND GENOMIC INSTABILITY IN IDIOPATHIC RECURRENT PREGNANCY LOSS(RPL), A PILOT SCALE STUDY.** Abhik Chakraborty, M.Sc(Masters in Science)¹, Smriti Sanchita, B.S.² and Birendranath Banerjee, P.hD³, ¹INSPIRE Senior research fellow, Bhubaneswar, India, ²UCLA, Los Angeles, CA, India, ³Associate Professor, Bhubaneswar, India
- P-208 LUTEAL PHASE SUPPORT WITH PROGESTERONE DOES NOT IMPROVE PREGNANCY RATES IN PATIENTS UNDERGOING CONTROLLED OVARIAN STIMULATION WITH LETROZOLE.** Elizabeth A. Dilday, M.D., Luis R. Hoyos, M.D., Molly M Quinn, MD and Lindsay Kroener, MD, Department of Obstetrics and Gynecology, Division of Reproductive Endocrinology and Infertility, University of California, Los Angeles, Los Angeles, CA
- P-209 ASSOCIATION OF EARLY BETA HUMAN CHORIONIC GONADOTROPIN WITH ISCHEMIC PLACENTAL DISEASE AFTER IN-VITRO FERTILIZATION.** Jaimin S Shah, M.D.¹, Nina Resetkova, M.D., M.B.A.², Michele R Hacker, Sc.D., M.S.P.H.¹ and Laura E Dodge, Sc.D., M.P.H.¹, ¹Beth Israel Deaconess Medical Center/Harvard Medical School, Boston, MA, ²Boston IVF, Waltham, MA
- P-210 DOES THE TIMING OF ENDOMETRIAL BIOPSY IMPACT THE DETECTION OF ENDOMETRIAL PLASMA CELLS?** Alisha Tara Tolani, MD, Emily Elizabeth Ryan, MD, Ann Katherine Folkins, MD and Ruth Bunker Lathi, MD, Stanford University, Stanford, CA

POSTER PRESENTATIONS

- P-211** **INTRAUTERINE PATHOLOGY IS ASSOCIATED WITH HIGHER INCIDENCE OF ENDOMETRIAL PLASMA CELL INFILTRATE.** Alisha Tara Tolani, MD, Emily Elizabeth Ryan, MD, Ann Katherine Folkins, MD and Ruth Bunker Lathi, MD, Stanford University, Stanford, CA
- P-212** **IMPACT OF ROUTE OF PROGESTERONE ADMINISTRATION ON OUTCOMES OF PREGNANCIES AFFECTED BY SUBCHORIONIC HEMATOMA FOLLOWING FROZEN IVF CYCLES.** Daniel Miranian, MD¹, Erin Inman, MD², Micaela J Stevenson, BS³, Emily K Kobernik, MPH, MS², Molly B Moravek, MD, MPH² and Samantha B Schon, MD, MTR⁴, ¹Obstetrics and Gynecology, University of Michigan, Ann Arbor, MI, ²University of Michigan, Ann Arbor, MI, ³University of Michigan Medical School, Ann Arbor, MI, ⁴Reproductive Endocrinology and Infertility, University of Michigan, Ann Arbor, MI
- P-213** **DIFFERENCES IN EARLY ULTRASOUND AND FETAL GROWTH KINETICS BETWEEN NON-HISPANIC WHITE AND BLACK WOMEN.** Victoria S Jiang, MD¹, Audrey M Marsidi, MD², Caroline Violette, MD¹, Audrey J Gaskins, ScD³, Jessica B Spencer, MD, MSc² and Carolyn Drews-Botsch, Ph.D, MPH³, ¹Emory University School of Medicine, Department of Gynecology and Obstetrics, Atlanta, GA, ²Emory University School of Medicine, Division of Reproductive Endocrinology and Infertility, Atlanta, GA, ³Emory University, Rollins School of Public Health, Atlanta, GA
- P-214** **ASSOCIATION OF -308G>A, -238G>A, -376G>A SNPs OF TNF GENE IN WOMEN WITH RECURRENT ABORTIONS IN A GREEK POPULATION.** Sofoklis Stavrou, MD, Ph.D.¹, Despoina Mavrogianni, Dr, PhD¹, Evagelos Basamakias, MSc¹, Alexandros Psarris, M.D., M.Sc., Ph.D.¹, Dimitris Loutradis, Professor² and Peter Drakakis, Professor¹, ¹Molecular Biology of Reproduction Unit and Recurrent Abortions Unit, Assisted Reproduction Division, Athens, Greece, Greece, ²Molecular Biology of Reproduction Unit and Recurrent Abortions Unit, Assisted Reproduction Division, Athens, Greece
- P-216** **MINIMALLY INVASIVE FERTILITY SPARING TREATMENT IN NON-TUBAL ECTOPIC PREGNANCIES CAN RESULT IN HIGH SUBSEQUENT LIVE BIRTH RATES.** Katherine E Kostroun, MD¹, Kathryn M Goldrick, MD¹, Jennifer F Knudtson, MD¹, Alia M Yaghi, MD¹, Cheria C Brown, RN¹ and Randal D Robinson, MD², ¹University of Texas Health Science Center San Antonio, San Antonio, TX, ²University of Texas Health Science Center San Antonio, San Antonio, SC
- P-217** **DYSREGULATED EMBRYONIC PLACENTATION IS MORE SIGNIFICANTLY ASSOCIATED WITH RISK OF EARLY SPONTANEOUS PREGNANCY LOSS THAN MATERNAL UTERINE SIGNALING.** Sydney L Lane, PhD, Blair R McCallie, BS, William B Schoolcraft, MD and Mandy G Katz-Jaffe, PhD, Colorado Center for Reproductive Medicine, Lone Tree, CO
- P-219** **LEUKEMIA INHIBITORY FACTOR IN RECURRENT PREGNANCY LOSS: IS THERE ANY ROLE OF LIFESTYLE INTERVENTION?** Vidhu Dhawan, MD¹, Neena Malhotra, MD FRCOG², Neeta Singh, MD², Vatsla Dadhwal, MD² and Rima Dada, MD, Ph.D¹, ¹All India Institute of Medical Sciences, Anatomy, New Delhi, India, ²All India Institute of Medical Sciences, Obstetrics & Gynaecology, New Delhi, India
- P-220** **DOES ADDING HYDROXYCHLOROQUINE TO EMPIRIC TREATMENT IMPROVE THE LIVE BIRTH RATE IN REFRACTORY OBSTETRICAL ANTIPHOSPHOLIPID SYNDROME?** Allyssa Hooper, MSc, BSc¹, Arianne Y K Albert, PhD² and Mohamed Ali Bedaiwy, M.D., Ph.D.¹, ¹University of British Columbia, Vancouver, BC, Canada, ²Women's Health Research Institute, Vancouver, BC, Canada
- PD1-10 POSTER SESSION: EDUCATION**
- P-221** **THE VOICE OF INFERTILITY: A REVIEW OF FERTILITY PODCASTS.** Alexandra Peyser, M.D., Baruch Abittan, M.D., Christine Mullin, M.D. and Randi H. Goldman, M.D., Northwell Health Fertility, Zucker School of Medicine at Hofstra/Northwell, Manhasset, NY
- P-222** **RESIDENT PERCEPTIONS OF FERTILITY CARE IN THE LOW RESOURCE SETTING: PRELIMINARY DATA FROM THE FERTILITY PASSPORT PROGRAM.** Rachel Ruderman, MD, MPH, Mary Tate, MD, MPH, Emily Lin, MD,

POSTER PRESENTATIONS

Jacqueline Lee, MD, Stephanie Cai, MD, Luce A Kassi, MD, Bahar D Yilmaz, MD and Christina E Boots, MD, MSCI, Northwestern University, Chicago, IL

- P-223** **A CONTENT AND QUALITY EVALUATION OF ACGME-ACCREDITED REPRODUCTIVE ENDOCRINOLOGY AND INFERTILITY FELLOWSHIP PROGRAM WEBPAGES.**
 Alexandra Peyser, M.D., Baruch Abittan, M.D., Christine Mullin, M.D. and Randi H. Goldman, M.D., Northwell Health Fertility, Zucker School of Medicine at Hofstra/ Northwell, Manhasset, NY
- P-224** **FERTILITY KNOWLEDGE AND VIEWS ON EGG FREEZING AND FAMILY PLANNING AMONG SURGICAL SPECIALTY TRAINEES.**
 Karine Matevossian, DO¹, Anne Rivelli, MA, MPH¹ and Meike L Uhler, M.D.², ¹Advocate Lutheran General Hospital, Park Ridge, IL, ²Fertility Centers of Illinois, Chicago, IL
- P-225** **SUITABILITY OF MULTI-DOSE VERSUS SINGLE DOSE GONADOTROPIN INJECTION PENS FOR ART USE: A USABILITY PEN STUDY.**
 Helen Saunders, BSc (HONS)¹, Linda Bjaergestad Lamp, BSN², Hasan Donat, MSc³, Monja Messner, MSc⁴, Maren Reder, BSc⁵ and Helen Kendrew, RGN⁶, ¹Medical Affairs Director, Geneva, Switzerland, ²STOCKHOLM IVF AB, Stockholm, Sweden, ³Junior Clinical Project Manager, Geneva, Switzerland, ⁴Associate Director Research, Berlin, Germany, ⁵Research Executive, Berlin, Germany, ⁶Clinic Director, United Kingdom
- P-226** **SURVEY ON PERCEPTION OF GERMLINE GENE THERAPY AMONG JAPANESE MEDICAL STUDENT.** Tomonari Hayama, M.D., Ph.D.¹, Akifumi Ijuin, M.D.¹, Ai Miyakoshi, M.D.¹, Haru Hamada, M.D.¹, Mitsuru Komeya, M.D., Ph.D.¹, Teppei Takeshima, M.D., Ph.D.¹, Shinnosuke Kuroda, M.D.¹, Yasushi Yumura, M.D., Ph.D.¹, Mariko Murase, M.D., Ph.D.¹, Etsuko Miyagi, M.D., Ph.D.² and Hideya Sakakibara, M.D., Ph.D.¹, ¹Yokohama City University Medical Center, Yokohama, Japan, ²Yokohama City University School of Medicine, Yokohama, Japan

PD1-11 POSTER SESSION: LGBTQ

- P-227** **REVERSIBILITY OF HORMONAL AND CYCLIC DISRUPTIONS IN A TRANSGENDER MOUSE MODEL AFTER CESSATION OF TESTOSTERONE THERAPY.**
 Prianka H Hashim, BS, BA, Hadrian M Kinnear, BA, Gillian E Rubenstein, -, Faith L Chang, -, Likitha Nimmagadda, -, Margaret A Brunette, MS, Vasantha Padmanabhan, MS, PhD, Ariella Shikanov, PhD and Molly B Moravek, MD, MPH, University of Michigan, Ann Arbor, MI
- P-228** **FERTILITY PRESERVATION IN A TRANSGENDER MAN WITHOUT PROLONGED DISCONTINUATION OF TESTOSTERONE: A CASE REPORT AND LITERATURE REVIEW.**
 Kristy Cho, MD, FRCSC¹, Rahana Harjee, MD², Jeffrey Roberts, MD, FRCSC¹ and Caitlin Dunne, MD, FRCSC³, ¹Division of Reproductive Endocrinology and Infertility, University of British Columbia, Vancouver, BC, Canada, ²Department of Obstetrics and Gynaecology, University of British Columbia, Vancouver, BC, Canada, ³Division of Reproductive Endocrinology and Infertility, University of British Columbia, Burnaby, BC, Canada

PD1-12 POSTER SESSION: REPRODUCTIVE IMMUNOLOGY

- P-229** **TIGIT PROMOTE IMMUNE TOLERANCE AT THE FETO-MATERNAL INTERFACE.** Wenyan Fu, M.D.¹, Zetong Ma, M.D.² and Shi Hu, Ph.D.², ¹Shanghai Ninth People's Hospital, Shanghai, China, ²Second Military Medical University, Shanghai, China
- P-230** **CO-EXPRESSION OF ACTIVATING AND INHIBITORY RECEPTORS ON PERITONEAL FLUID NK CELLS IN WOMEN WITH ENDOMETRIOSIS.**
 Shinichiro Saeki, MD¹, Atsushi Fukui, MD, PhD², Hiroaki Shibahara, MD, PhD², Toru Kato, MD, PhD², Yu Wakimoto, MD², Mai Chuxian, Ph.D. Student², Mayu Yamamoto, Master's Student² and Ryu Takeyama, MD², ¹Hyogo College of Medicine, Nishinomiya, Japan, ²Hyogo College of Medicine, Nishinomiya, Hyogo, IL, Japan
- P-231** **WITHDRAWN**

POSTER PRESENTATIONS

PD2-01 POSTER SESSION: ENDOMETRIOSIS

- P-232** **DEVELOPING A MINIMUM DATA SET FOR RESEARCH EVALUATING TREATMENTS FOR INFERTILITY ASSOCIATED WITH ENDOMETRIOSIS.** James M N Duffy, DPhil MRes PG HCL MBChB BSc (Hons)¹, Martin Hirsch, MRCOG MD(Res) MBBS², Cindy Farquhar, FRANZCOG FRCOG MD MPH³ and ENDO:outcomes: An international collaboration harmonising outcomes and outcomes measures for endometriosis research, ¹Institute for Women's Health, University College London, Greater London, United Kingdom, ²University College London Hospitals NHS Foundation Trust, Greater London, United Kingdom, ³University of Auckland, Auckland, New Zealand
- P-233** **MURINE AVATARS FOR PRECISION MEDICINE IN ENDOMETRIOSIS.** Valerie A. Flores, MD¹, Cagdas Sahin, MD¹ and Hugh S. Taylor, M.D.², ¹Yale School of Medicine, New Haven, CT, ²Yale University School of Medicine, New Haven, CT
- P-234** **m⁶A METHYLATION REGULATORS CONTRIBUTE TO THE EUTOPIC ENDOMETRIUM AND MYOMETRIUM DYSFUNCTION IN ADENOMYOSIS.** Junyu Zhai, M.D. Ph.D.¹, Shang Li, M.D.², Sushmita Sen, B.S.¹, Yanzhi Du, M.D. Ph.D.² and Linda C Giudice, MD, PhD¹, ¹University of California, San Francisco, San Francisco, CA, ²Ren Ji Hospital, School of Medicine, Shanghai Jiao Tong University, Shanghai, China
- P-235** **VARIATION IN THE PERCENTAGE OF ENDOMETRIAL p16-POSITIVE SENESCENT CELLS IN CONSECUTIVE MENSTRUAL CYCLES.** Dimitar Parvanov, PhD, Rumiana Ganeva, MSc, Nina Vidolova, MSc and Georgi Stamenov, MD/PhD, Nadezhda Women's Health Hospital, Sofia, Bulgaria
- P-236** **SIRT1 AND PROGESTERONE (P4) RESISTANCE AND ENDOMETRIOSIS: IMPLICATIONS FOR INFERTILITY MANAGEMENT.** Bruce A Lessey, Ph.D., M.D.¹, Steven L Young, M.D., Ph.D.², Tae Hoon Kim, Ph.D.³ and Jae-Wook Jeong, Ph.D.³, ¹Wake Forst Health, WINSTON SALEM, NC, ²University of North Carolina, Raleigh, NC, ³Michigan State University, Grand Rapids, MI
- P-237** **CONCOMITANT ENDOMETRIOSIS IN PATIENTS UNDERGOING HYSTERECTOMY WITH SUSPECTED ADENOMYOSIS.** Adela G Cope, MD, Zaraq Khan, MD, Wendaline M VanBuren, MD, Isabel C Green, MD and Tatnai L Burnett, MD, Mayo Clinic, Rochester, MN
- P-238** **HEAT SHOCK PROTEIN 90 INHIBITOR 17-AAG SUPPRESSES THE GROWTH OF ENDOMETRIOSIS IN VITRO AND IN VIVO BY INHIBITING ESTROGEN RECEPTOR TRANSCRIPTIONAL ACTIVITY.** Jingjie Li, M.D.¹, Pan Chen, PhD², Jiayu Lin, Bachelor¹ and Xiaoyan Liang, M.D.¹, ¹the Sixth Affiliated Hospital, Sun Yat-sen University, Guangzhou, China, ²the First Affiliated Hospital, Sun Yat-sen University, Guangzhou, China
- P-239** **TOFACITINIB LEADS TO LESION REGRESSION AND ALTERED STAT3 SIGNALING IN ENDOMETRIOSIS.** Alexander Kotlyar, MD¹, Ramanaiah Mamillapalli, PhD², Valerie A. Flores, MD³ and Hugh S. Taylor, M.D.², ¹Yale School of Medicine, Oange, CT, ²Yale University School of Medicine, New Haven, CT, ³Yale School of Medicine, New Haven, CT
- P-240** **SYMPATHOMIMETIC AMINE TREATMENT VERY EFFECTIVE FOR RELIEVING PELVIC PAIN IN WOMEN EVEN WHEN HORMONAL THERAPY AND SURGERY WERE NOT SUFFICIENT.** Paul A Carpentier, MD, CFCMC¹, Barbara Meier, BSN¹, Jerome H Check, M.D., Ph.D.² and Donna Summers, M.S.³, ¹The Long Island Gianna Center for Women's Health and Fertility, Babylon, NY, ²Cooper Medical School of Rowan University, Camden, NJ, ³Cooper Institute for Reproductive Hormonal Disorders, P.C., Mt. Laurel, NJ
- P-241** **CHARACTERIZATION OF VAGINAL SECRETION MICROBIOTA IN INFERTILE WOMEN WITH CHRONIC ENDOMETRITIS.** Kotaro Kitaya, M.D.¹, Yoko Nagai, Ph.D.², Suguru E Tanaka, Ph.D.², Yoshiyuki Sakuraba, Ph.D.² and Tomomoto Ishikawa, M.D.¹, ¹Reproduction Clinic Osaka, Osaka, Japan, ²Varinos Inc., Tokyo, Japan
- P-242** **BOWEL OCCULT MICROSCOPIC ENDOMETRIOSIS IN RESECTION MARGINS IN DEEP COLORECTAL ENDOMETRIOSIS SPECIMENS HAS NO IMPACT ON THE LONG-TERM RISK OF RECURRENCE.** Simone

POSTER PRESENTATIONS

- Ferrero, MD, PhD¹, Umberto Leone Roberti Maggiore, MD, PhD², Ennio Biscaldi, MD³, Michele Altieri, MD⁴, Valerio Gaetano Vellone, MD, PhD⁵, Cesare Stabilini, MD, PhD⁶ and Fabio Barra, MD⁴, ¹DINOGLMI, University of Genova, Genova, Italy, ²Department of Gynecologic Oncology, IRCCS National Cancer Institute, Milan, Italy, ³Department of Radiology, Galliera Hospital, Genova, Italy, ⁴IRCCS Ospedale Policlinico San Martino, Genova, Italy, ⁵Anatomic Pathology, Genova, Italy, ⁶DISC, University of Genova, Genova, Italy
- P-243 CHRONIC ENDOMETRITIS IN WOMEN WITH SUSPECTED RETAINED PRODUCTS OF CONCEPTION AND THEIR REPRODUCTIVE OUTCOMES.** Simone C Elder, MD, Pietro Bortoletto, MD, Phillip A Romanski, MD and Steven Spandorfer, MD, The Ronald O. Perelman and Claudia Cohen Center for Reproductive Medicine, Weill Cornell Medicine, New York, NY
- P-245 ALTERED EXPRESSION OF ATP-MEDIATED PURINERGIC SIGNALING PATHWAYS IN MACAQUES WITH ENDOMETRIOSIS.** Fangzhou Luo, BS¹ and Ov D Slayden, PhD², ¹Oregon National Primate Research Center, Beaverton, OR, ²Professor, Beaverton, OR
- P-246 A PROSPECTIVE STUDY TO EVALUATE THE USE OF BOWEL PREPARATION BEFORE THREE-DIMENSIONAL RECTAL WATER CONTRAST TRANSVAGINAL ULTRASONOGRAPHY FOR DIAGNOSING RECTOSIGMOID ENDOMETRIOSIS.** Fabio Barra, MD¹, Matteo Tantari, MD¹, Giulio Evangelisti, MD¹, Carolina Scala, MD² and Simone Ferrero, MD PhD¹, ¹IRCCS Ospedale Policlinico San Martino, Genova, Italy, ²Istituto G. Gaslini, Genova, Italy
- P-247 A NOVEL LOW-DOSE COMBINATION DRUG THERAPY FOR ENDOMETRIOSIS THAT INCREASES PROGESTERONE RECEPTOR TO ENHANCE PROGESTIN EFFICACY.** Elliott G Richards, MD, Emily L Esakov, PhD and Ofer Reizes, PhD, Cleveland Clinic Foundation, Cleveland, OH
- P-248 INVESTIGATING THE ROLE OF INFERTILITY IN ENDOMETRIOSIS RISK.** Amber C Kiser, BS¹, Alex Henrie, MSc¹, Karen C Schliep, PhD, MSPH¹, C Matthew Peterson, MD¹, Kurt Peterson, DO² and Karen Eilbeck, MSc, PhD¹, ¹University of Utah, Salt Lake City, UT, ²University of Cincinnati, Cincinnati, OH
- P-249 IMPACT OF ENDOMETRIOSIS ON SEXUAL LIFE OF WOMEN AND PARTNERS: RESULTS FROM THE ENDOVIE SURVEY.** Pietro Santulli, MD - PHD¹, Géraldine Giraudet, MD - PhD², Jean-Philippe Estrade, MD³, Emilie Indersie, PhD⁴, Céline Solignac, PharmD⁵ and Horace Roman, MD - PhD⁶, ¹Université Paris Descartes, Sorbonne Paris Cité, Faculté de Médecine, Assistance Publique-Hôpitaux de Paris (AP-HP), Hôpital Universitaire Paris Centre, Centre Hospitalier Universitaire (CHU) Cochin, Paris, France, ²Hôpital Jeanne de Flandre, CHU de Lille, Lille, France, ³Clinique Bouchard-Elsan, Marseille, France, ⁴EndoFrance association, Dagneux, France, ⁵Gedeon Richter France, Paris, France, ⁶Clinique Tivoli-Ducos, Bordeaux, France
- P-250 FREQUENCY OF AND SWITCHING BETWEEN HORMONAL CONTRACEPTIVES IN WOMEN WITH ENDOMETRIOSIS UP TO 8 YEARS BEFORE DIAGNOSIS.** Stephanie E Chiuve, ScD¹, Andrew L Campbell, MD¹, Stephanie J Estes, MD², Amanda Kelly, MS³, Michael C Snabes, MD, PhD¹, Oscar Antunez Flores, MD¹ and Stacey A Missmer, ScD⁴, ¹AbbVie, North Chicago, IL, ²Penn State Milton S. Hershey Medical Center, Hershey, PA, ³Aetion Inc, New York, NY, ⁴College of Human Medicine, Michigan State University, Grand Rapids, MI
- P-251 DOES GnRH DOWN REGULATION AMONGST WOMEN WITH ABNORMAL BCL6 AND/OR BETA 3 INTEGRIN EXPRESSION IMPROVE IMPLANTATION RATES? AN INTERIM ANALYSIS.** Garth Kellogg Summers, DO, Stephanie Gustin, MD and Taylor Lynn Swartz, DO, MPH, The University of Nebraska Medical Center, Omaha, NE
- P-252 PERSISTENCE OF RECTAL ENDOMETRIOSIS FOLLOWING LAPAROSCOPIC SHAVING OF RECTOVAGINAL NODULES INFILTRATING THE RECTUM.** Simone Ferrero, MD, PhD¹, Carolina Scala, MD², Gloria D'Alessandro, MD¹, Ennio Biscaldi, MD³, Valerio Gaetano Vellone, MD, PhD⁴, Cesare Stabilini, MD, PhD⁵, Umberto Leone Roberti Maggiore, MD, PhD⁶ and Fabio Barra, MD¹, ¹IRCCS Ospedale Policlinico San Martino, Genova, Italy, ²Istituto G. Gaslini,

POSTER PRESENTATIONS

Genova, Italy, ³Department of Radiology, Galliera Hospital, Genova, Italy, ⁴Anatomic Pathology, Genova, Italy, ⁵DISC, University of Genova, Genova, Italy, ⁶Department of Gynecologic Oncology, IRCCS National Cancer Institute, Milan, Italy

France, ³Clinique Bouchard-Elsan, Marseille, France, ⁴EndoFrance association, Dagneux, France, ⁵Gedeon Richter France, Paris, France, ⁶Clinique Tivoli-Ducos, Bordeaux, France

P-253 **EVALUATION OF ENDOMETRIOMA PATHOPHYSIOLOGY AND RELATED OVARIAN DAMAGE BY PTEN / AKT APOPTOSIS SIGNALING PATHWAY.**

Furkan Sen, M.D.¹, Kiper Aslan, M.D.², Goktan Kuspinar, PhD. candidate², Cihan Cakir, M.D., PhD.³, Isil Kasapoglu, M.D.¹, Berrin Avci, M.D., PhD³ and Gürkan Uncu, Prof.², ¹Uludag University School of Medicine, Gynecology and Obstetric ART Center, Bursa, CT, Turkey, ²Bursa Uludag University Faculty of Medicine, Bursa, Turkey, ³Uludag University School of Medicine, Bursa, Turkey

P-254 **PAIN AND HEALTH RELATED QUALITY OF LIFE IN WOMEN WITH ENDOMETRIOSIS SCHEDULED FOR IN-VITRO-FERTILIZATION (IVF).**

Ahmed M. Abdelmagied, MD¹, Ahmed M Abbas, MD¹, Mohamed F Aboelnasr, MD², Waleed M AbdElaziz, MD³, Eman ALRefai, EFOG-EBCOG⁴, Amal Y Zaman, MD⁴ and Fawzia Ahmed Habib, MD⁴, ¹Department of Obstetrics and Gynecology, Faculty of Medicine, Assiut University, Assiut, Egypt, ²Departement of Obstetrics and Gynecology, Faculty of Medicine, Menoufiya University, Shebin Elkom, Egypt, ³Department of Obstetrics and Gynecology, Faculty of Medicine, Zagazig University, Zagazig, Egypt, ⁴Department of Obstetrics and Gynecology, Faculty of Medicine, Taibah University, Saudi Arabia

P-255 **IMPACT OF ENDOMETRIOSIS ON PARTNER'S DAILY LIFE : RESULTS FROM THE ENDOVIE SURVEY.**

Pietro Santulli, MD - PHD¹, Géraldine Giraudet, MD - PhD², Jean-Philippe Estrade, MD³, Emilie Indersie, PhD⁴, Celine Solignac, PharmD⁵ and Horace Roman, MD - PhD⁶, ¹Université Paris Descartes, Sorbonne Paris Cité, Faculté de Médecine, Assistance Publique-Hôpitaux de Paris (AP-HP), Hôpital Universitaire Paris Centre, Centre Hospitalier Universitaire (CHU) Cochin, Paris, France, ²Hôpital Jeanne de Flandre, CHU de Lille, Lille,

P-256 **ENDOMETRIAL STAINING FOR CD138 AS A MARKER OF CHRONIC ENDOMETRITIS DOES NOT PREDICT FAILED IMPLANTATION.**

Nola S Herlihy, MD¹, Shiny Titus, PhD¹, Cynthia S Scott, -², Amber M Klimczak, MD¹, Brent M Hanson, MD¹, Julia G Kim, MD, MPH¹, Ashley W Tiegs, MD¹, Emily K Osman, MD¹, Emre Seli, MD¹ and Richard Thomas Scott Jr., MD¹, ¹IVI RMA New Jersey, Basking Ridge, NJ, ²Foundation for Embryonic Competence, Basking Ridge, NJ

P-257 **CHRONIC ENDOMETRITIS (CE) BY CD138 IN AN INFERTILE POPULATION: A NON-SELECTION STUDY DISCOVERING BASELINE PREVALENCE AND EFFECT ON EARLY EUPLOID EMBRYO IMPLANTATION.**

Jennifer K Blakemore, MD¹, David L. Keefe, M.D.², David H. McCulloh, Ph.D.³, Alexis Masbou, MD⁴ and James A Grifo, MD, PhD⁵, ¹NYU Langone School of Medicine, New York, NY, ²New York University School of Medicine, Department of Obstetrics and Gynecology, New York, NY, ³NYU Langone Fertility Center, New York, NY, ⁴Kofinas Fertility Group, New York, NY, ⁵New York University, New York, NY

P-259 **THE ASSOCIATION OF ADENOMYOSIS WITH UTEROPLACENTAL INSUFFICIENCY AND PREECLAMPSIA IN WOMEN UNDERGOING ICSI CYCLE.**

Can Benlioglu, M.D., Erkan Kalafat, M.D., Yavuz Emre Sukur, M.D., Batuhan Ozmen, Professor, Murat Sonmezer, M.D. professor and Cem Somer Atabekoglu, Professor, Ankara University, Turkey

P-261 **IMPACT OF ENDOMETRIOSIS ON ANXIETY, DEPRESSION AND QUALITY OF LIFE AND ITS ASSOCIATION WITH PREGNANCY OUTCOMES IN INFERTILE PATIENTS AT A TERTIARY LEVEL INFERTILITY CENTRE IN INDIA.**

Kanad Dev Nayar, M.D., DGO., FICOG, Poonam Nayar, Ph.D, Shweta Gupta, MD, MRCOG, Minal Singh, DGO, DNB, Ratnaboli Bhattacharya, MD, DNB, FNB, MRCOG, Gaurav Kant, M.Sc, Rahul Gahlot, M.D., Dip. Clinical Embryology and Kapil Dev Nayar, MBBS, Akanksha IVF Centre, Delhi, India

POSTER PRESENTATIONS

- P-262 PELVIC INFLAMMATORY DISEASE IS AN AGGRAVATING FACTOR ON ENDOMETRIOSIS WOMEN DEVELOPING OVARIAN CANCER: A STUDY OF 2-MILLION-SAMPLE LONGITUDINAL HEALTH AND WELFARE DATABASE IN TAIWAN.** Hui-Wen Lo, MD¹, Cheng-Yang Hsu, MD¹ and Eing-Mei Tsai, MD, PhD², ¹Kaohsiung medical university hospital, Kaohsiung, Taiwan, ²Kaohsiung Medical University, Taiwan
- P-263 IDENTIFICATION OF TRANSCRIPTOMIC CHANGES TO EUTOPIC ENDOMETRIUM BY PRESENCE OF ENDOMETRIOTIC CYSTS – HARNESSING THE POWER OF EXISTING NONHUMAN PRIMATE DATASETS.** Cecily Vauna Bishop, Ph.D.¹, Fangzhou Luo, BS², Lina Gao, Ph.D.¹, Suzanne S Fei, Ph.D.¹ and Ov D Slayden, PhD³, ¹Oregon National Primate Research Center, Oregon Health & Sciences University, Beaverton, OR, ²Oregon National Primate Research Center, Beaverton, OR, ³Professor, Beaverton, OR
- P-265 ADENOMYOSIS AND PERITONEAL ENDOMETRIOSIS EXHIBIT A CLONAL RELATIONSHIP WITH EUTOPIC ENDOMETRIUM.** Maria Facadio Antero, MD¹, Lihong Li, MD², Tiffany Chu, BS², Leslie Cope, PhD², Tian-Li Wang, MD², Ayse Ayhan, MD, PhD², Tamer A Seckin, MD³, James H Segars, MD⁴ and Ie-Ming Shih, MD, PhD², ¹John Hopkins University School of Medicine, Baltimore, MD, ²Johns Hopkins School of Medicine, Baltimore, MD, ³Lenox Hill Hospital/Northwell Health System, New York, NY, ⁴Johns Hopkins University School of Medicine, Baltimore, MD
- P-266 A PROSPECTIVE PILOT ULTRASONOGRAPHIC STUDY TO EVALUATE IMPACT OF PREGNANCY ON CHARACTERISTICS OF DEEP INFILTRATING ENDOMETRIOSIS AND ENDOMETRIOMAS.** Fabio Barra, MD¹, Carolina Scala, MD², Gloria D'Alessandro, MD¹ and Simone Ferrero, MD PhD¹, ¹IRCCS Ospedale Policlinico San Martino, Genova, Italy, ²Istituto G. Gaslini, Genova, Italy
- P-267 INSTAGRAM USERS' CONTENT ON ENDOMETRIOSIS- DOES ENDOMETRIOSIS AWARENESS MONTH MAKE A DIFFERENCE?** Andrea M Gochi, MS, Noelle Coen, BS, Shaokui Ge, PhD, Mallory A Stuparich, MD, Samar Nahas, MD and Sadikah Behbehani, MD, UC Riverside School of Medicine, Riverside, CA
- P-268 IMPACT ON WOMEN WITH ENDOMETRIOSIS AND PELVIC INFLAMMATORY DISEASE ON ENDOMETRIAL CANCER DEVELOPMENT: A RETROSPECTIVE COHORT STUDY IN TAIWAN.** Cheng-Yang Hsu, MD¹, Hui-Wen Lo, MD² and Eing-Mei Tsai, MD, PhD¹, ¹Kaohsiung medical university hospital, Kaohsiung, Taiwan, ²Kohsiung Medical University, Kaohsiung, Taiwan
- P-269 PREDICTED LEVELS OF PREOPERATIVE ANTI-MULLERIAN HORMONE IN WOMEN WITH ENDOMETRIOSIS-ASSOCIATED INFERTILITY.** William Butler, MD, Sarah E. Byrd, MD, Kelly JANE Tipton, MD, Kristina C Hawkins, MD and Abdelmoneim Younis, DVM, PhD, HCLD, Mercer University School of Medicine, MACON, GA
- P-270 THE IMPACT OF ENDOMETRIOSIS ON EMBRYO MORPHOKINETICS.** Natalia C Llarena, MD¹, Tommaso Falcone, M.D.² and Nina Desai, Ph.D., HCLD³, ¹Cleveland Clinic Foundation, Cleveland, OH, ²cleveland Clinic, cleveland, OH, ³Cleveland Clinic, Beachwood, OH

POSTER PRESENTATIONS

Sunday, October 18, 2020

POSTER SESSIONS

PD2-02 POSTER SESSION: ENVIRONMENT AND REPRODUCTION

P-271 LAND USE AND SEMEN QUALITY: A SINGLE FERTILITY CENTER COHORT STUDY. Eun-Hye Jo, M.D.¹, Tae Ki Yoon, M.D, Ph.D.¹, You Shin Kim, M.D, Ph.D.¹, Inn Soo Kang, MD, PhD¹, Mi Kyoung Koong, MD, PhD¹, Hyeok Kim, MD, PhD¹, Young Sang Kim, M.D.², Myung Joo Kim, M.D.¹, Seung-Ah Choe, M.D.¹, Ran Kim, M.D.¹, Eun Jeong Yu, MD¹, Yun Jung Hur, M.D.¹, Ji Hye Kim, M.D.¹ and Hannah Kim, MD¹, ¹CHA Fertility Center Seoul Station, CHA University, Seoul, Korea, Republic of (South), ²CHA Seoul Fertility Center, OB&GY, Seoul, Korea, Republic of (South)

P-272 WITHDRAWN

P-273 AMBIENT AIR POLLUTION AND OVARIAN RESERVE: A SINGLE CENTER COHORT STUDY. Hannah Kim, MD, Seung-Ah Choe, M.D., You Shin Kim, M.D, Ph.D. and Tae Ki Yoon, M.D, Ph.D., CHA Fertility Center Seoul Station, CHA University, Seoul, Korea, Republic of (South)

P-274 ENVIRONMENTAL CONTAMINANTS INFLUENCE GAMETE DEVELOPMENT BUT NOT HORMONE PROFILES OF PATIENTS UNDERGOING IVF. Lindsay L Penrose, PhD¹, Shiva Khalili, M.D.¹, Dixie Leung, M.D.¹, Khaliq Ahmad, PhD¹ and Samuel D Prien, PhD², ¹Texas Tech University Health Sciences Center, Lubbock, TX, ²Texas Tech University Health Sciences Center AND Texas Tech University, Lubbock, TX

P-275 DISRUPTION OF MALE FETAL REPRODUCTIVE DEVELOPMENT BY EXPOSURE TO BISPHENOLS. Emily G. Hurley, MD¹ and Tony De Falco, Ph.D.², ¹University of Cincinnati, West Chester, OH, ²Cincinnati Children's Hospital Medical Center, Cincinnati, OH

P-276 STRESS-FORCES EMBRYONIC STEM CELLS TO INCREASE EXPRESSION OF HEPATITIS A AND HERPES SIMPLEX 1 VIRUS RECEPTORS AND TWO GENES NECESSARY FOR

COVID-19 UPTAKE. Elizabeth E Puscheck, MD, MS, MBA¹, Sudipta Dutta, Ph.D.², Mohammed Abdulkareem Abdulhasan, Ph.D.³, Katherine Gurdziel, Ph.D.², Steven J Korzeniewski, Ph.D.⁴, Douglas Ruden, Ph.D.² and Daniel Rappolee, Ph.D.², ¹InVivo Fertility, Hoffman Estates, IL, ²Wayne State University, Detroit, MI, ³Reproductive Stress 3M, Inc., Grosse Pointe Farms, MI, ⁴Wayne State University School of Medicine, Detroit, MI

PD2-03 POSTER SESSION: FEMALE INFERTILITY DIAGNOSIS AND TREATMENT

P-277 REASSIGNED

P-278 IDENTIFYING GENETIC BIOMARKERS OF OVARIAN RESERVE. Alison Gruber, MD¹, Deanna Brasile, DO², Will Dampier, PHD¹, Joshua Chang Mell, PHD¹ and Karen Berkowitz, MD¹, ¹Drexel University College of Medicine, Philadelphia, PA, ²Main Line Fertility, West Chester, PA

P-279 ASSOCIATIONS BETWEEN INFERTILITY AND SEXUAL HEALTH IN U.S. FEMALE AND MALE VETERANS Ginny L Ryan, MD, MA¹, Marie E. Thoma, PhD, MHS², Andrea Holcombe, MS, PhD³, Anne Sadler, PhD, MS³, Bradley J Van Voorhis, MD⁴, Alicia Y Christy, MD⁵ and Michelle A Mengeling, MS, PhD³, ¹Center for Access and Delivery Research and Evaluation, Iowa City, IA, ²University of Maryland, College Park, MD, ³Iowa City VA Health Care System, Iowa City, IA, ⁴University of Iowa, Iowa City, IA, ⁵Veterans Administration, Kensington, MD

P-280 CHARACTERIZATION OF TELOMERE STATUS DURING OVARIAN AGING IN THE SAMP8 (SENESCENCE ACCELERATED MOUSE PRONE 8) MODEL. Alba M Polonio, MSc¹, María T González-García, MSc¹, Isabel Córdova-Oriz, MSc¹, Marta Medrano, B.Sc², Lucía Chico-Sordo, MSc¹, Juan A Garcia-Velasco, MD, PhD² and Elisa Varela, PhD³, ¹IVI Foundation,

POSTER PRESENTATIONS

- IIS La Fe, Valencia, Spain, ²IVI-RMA Madrid, Rey Juan Carlos University, Madrid, Spain, ³IVI-RMA Madrid, Madrid, Spain
- P-281 THERAPEUTIC STRATEGY TO IMPROVE THE QUALITY OF AGED OOCYTES.** Mandy G Katz-Jaffe, PhD, Jason C Parks, BS, Blair R McCallie, BS, Sydney L Lane, PhD, Rachel Makloski, RN and William B Schoolcraft, MD, Colorado Center for Reproductive Medicine, Lone Tree, CO
- P-283 CURRENT STATE OF CLINICAL TRIALS IN INFERTILITY: A COMPREHENSIVE ANALYSIS OF THE CLINICALTRIALS.GOV DATABASE** Benjamin J Peipert, MD¹, Daniel Spinosa, MD¹, Elizabeth P Howell, MD¹, Jeremy M. Weber, MS², Tracy Truong, MS² and Benjamin S Harris, MD, MPH³, ¹Duke University Medical Center, Durham, NC, ²Department of Biostatistics & Bioinformatics, Duke University Medical Center, Durham, NC, ³Division of Reproductive Endocrinology and Infertility, Duke University Medical Center, Durham, NC
- P-284 MISDIAGNOSED SEPTATE UTERUS IN WOMEN SCHEDULED FOR IN-VITRO-FERTILIZATION (IVF): A 5-YEAR COHORT STUDY.** Ahmed M. Abdelmagied, MD¹, Ahmed M Abbas, MD¹, Dina M Habib, MD¹, Mohammed Khairy Ali, MD¹, Osama S Abdalmageed, MD¹, Karim S. Abdallah, MSc² and Fawzia Ahmed Habib, MD³, ¹Department of Obstetrics and Gynecology, Faculty of Medicine, Assiut University, Assiut, Egypt, ²Department of Obstetrics and Gynecology, School of Medicine, Monash University, Melbourne, VIC, Australia, ³Department of Obstetrics and Gynecology, Faculty of Medicine, Taibah University, Madinah, Saudi Arabia
- P-285 INTRA- AND INTER-CYCLE VARIABILITY OF ANTI-MÜLLERIAN HORMONE (AMH) LEVELS IN HEALTHY WOMEN MEASURED WITH ELECSYS AMH PLUS IMMUNOASSAY: THE BICYCLE STUDY.** Marieke Biniasch, M Med¹, Ruediger Paul Laubender, PhD², Martin Hund, PhD³, Katharina Buck, PhD² and Christian De Geyter, MD¹, ¹Reproductive Medicine and Gynecological Endocrinology, Universitätsspital Basel, University of Basel, Basel, Switzerland, ²Roche Diagnostics GmbH, Penzberg, Germany, ³Roche Diagnostics International Ltd., Rotkreuz, Switzerland
- P-286 DOES DELAY IN THE DIAGNOSIS OF RUDIMENTARY HORN PREGNANCY IN PATIENTS WITH UNICORNUATE UTERI IMPACT TREATMENT OUTCOME?** Damla C Gonullu, MD¹, Jessica Rausch, DO¹, Omosalewa Itauma, MD, MPH¹, Chidinma Abara, MD², Megan Fee, BS¹ and Awoniyi Olumide Awonuga, MD³, ¹Wayne State University School of Medicine, Detroit, MI, ²Windsor University School Of Medicine, Cayon, MI, ³Wayne State University School of Medicine, MI
- P-287 TOP TEN RESEARCH PRIORITIES FOR FEMALE AND UNEXPLAINED INFERTILITY.** James M N Duffy, DPhil MRes PG HCL MBChB BSc (Hons)¹, Cindy Farquhar, FRANZCOG FRCOG MD MPH² and Priority Setting Partnership for Infertility, ¹Institute for Women's Health, University College London, Greater London, United Kingdom, ²University of Auckland, Auckland, New Zealand
- P-288 THE USE OF VIRTUAL REALITY TECHNOLOGY IN INFERTILE WOMEN UNDERGOING IN VITRO FERTILIZATION-EMBRYO TRANSFER: A RANDOMIZED CONTROLLED TRIAL.** Michal Dviri, MD¹, Lilach Marom Haham, MD¹, Jordana Beth Mashiach Friedler, MD¹, Anjila Roumia, MD¹, Samantha Yee, Ph.D², Ari Y Baratz, MD³, Karen B Glass, MD², Prati Sharma, MD² and Clifford Lawrence Librach, MD², ¹CReATe fertility centre, Toronto, ON, Canada, ²CReATe Fertility Centre, Toronto, ON, Canada, ³University of Toronto, Toronto, ON, Canada
- P-289 REGULATION OF OVIDUCT HOMEOSTASIS AND FERTILITY BY Pax2 AND Pax8 GENES.** Abdul Soofi, PhD, University of Michigan, Ann Arbor, MI
- P-290 IUI AFTER LH SURGE: HOW SOON IS TOO SOON?** Samantha Simpson, MD and Lubna Pal, MBBS, Yale University, Orange, CT
- P-291 HIGH EXPRESSION OF PGAM FAMILY MEMBER 5 (PGAM5) IS ASSOCIATED WITH DIMINISHED OVARIAN RESPONDER IN CUMULUS CELLS.** Li-Te Lin, PhD¹, Chia-Jung Li, Ph.D² and Kuan-Hao Tsui, M.D; Ph.D², ¹Kaohsiung Veterans General Hospital, Kaohsiung City, Taiwan, ²Department of Obstetrics and Gynecology, Kaohsiung Veterans General Hospital, Kaohsiung, Taiwan

POSTER PRESENTATIONS

- P-292 DETECTION OF CLOCK rs11932595 POLYMORPHISM IN WOMEN WITH RECURRENT PREGNANCY LOSS (RPL).** Despoina Mavrogianni, Dr, PhD¹, Helen Pandi, Biologist¹, Sofoklis Stavrou, MD, Ph.D.¹, Dimitris Loutradis, Professor² and Peter Drakakis, Professor¹, ¹Molecular Biology of Reproduction Unit and Recurrent Abortions Unit, Assisted Reproduction Division, Athens, Greece, Greece, ²Molecular Biology of Reproduction Unit and Recurrent Abortions Unit, Assisted Reproduction Division, Athens, Greece
- PD2-04 POSTER SESSION: FERTILITY PRESERVATION**
- P-293 REASSIGNED**
- P-294 DEVELOPMENT OF A FERTILITY RISK CALCULATOR TO PREDICT INDIVIDUALIZED CHANCES OF OVARIAN FAILURE AFTER CHEMOTHERAPY.** Esther H. Chung, MD¹, Chaitanya R Acharya, PSM, PhD², Benjamin S Harris, MD, MPH³ and Kelly S Acharya, MD³, ¹Duke University Medical Center, Durham, NC, ²Duke Center for Applied Therapeutics, Department of Surgery, Durham, NC, ³Division of Reproductive Endocrinology and Infertility, Duke University Medical Center, Durham, NC
- P-295 COMPARISON OF HUMAN ANTRAL FOLLICLES OF XENOGRAFT VERSUS OVARIAN ORIGIN REVEALS DISPARATE MOLECULAR SIGNATURES.** Limor Man, M.D., M.Med.Sc., Nicole Lustgarten, PhD, Eleni Kallinos, B.S., Kolbe Hancock, MD, Nikica Zaninovic, Ph.D., Glenn Schattman, MD, Zev Rosenwaks, M.D. and Daylon James, PhD, Weill Cornell Medicine, New York, NY
- P-296 THE USE OF DYDROGESTERONE TO PREVENT LH PEAK IN RANDOM-START OVARIAN STIMULATION FOR FERTILITY PRESERVATION.** Marouen Braham, Associate Professor¹, Khadija Kacem, Associate Professor¹, Zeineb Zemni, Medical Doctor¹, Sarah Amari, Medical Doctor¹, Wissal Jaafar, Medical Doctor¹, Sana Chtourou, Assistant Professor², Manel Hamdoun, Associate Professor¹, Linda Debbabi, Medical Doctor¹, Nozha Chakroun, Professor¹, Olfa Bahri, Professor¹, Fethi Zhioua, Professor³ and Anis Fadhlaoui, Associate Professor³, ¹Aziza Othmana University hospital, Tunis, Tunisia, ²Reproductive Medicine Laboratory, Aziza Othmana University Hospital., Tunis, Tunisia, ³Aziza Othmana Hospital, department of gynecology and obstetrics, tunis, Tunisia
- P-297 MODIFIED RNA ENCODING FOR ANTI-MULLERIAN HORMONE CONFERS OVARIAN PROTECTION FROM CYCLOPHOSPHAMIDE IN BOTH MOUSE AND HUMAN XENOGRAFT MODELS.** Limor Man, M.D., M.Med.Sc¹, Eleni Kallinos, B.S.¹, Lior Zangi, PhD², Zev Rosenwaks, M.D.¹ and Daylon James, PhD¹, ¹The Ronald O. Perelman and Claudia Cohen Center for Reproductive Medicine, Weill Cornell Medicine, New York, NY, ²Icahn school of Medicine at Mount Sinai, NYC, NY
- P-298 UTILIZATION OF ELECTIVELY CRYOPRESERVED OOCYTES AND SUBSEQUENT PREGNANCY OUTCOMES.** Katherine M. Baker, MD¹, Angela Q Leung, MD², David Ryley, MD², Denny Sakkas, PhD² and Thomas L. Toth, MD², ¹Beth Israel Deaconess Medical Center, Boston, MA, ²Boston IVF, Waltham, MA
- P-299 OUTCOMES OF FERTILITY PRESERVATION IN WOMEN WITH ENDOMETRIOMA BEFORE AND/OR AFTER OVARIAN CYSTECTOMY.** Hyun Kyoung Lee, M.D., Yeon Hee Hong, MD. and Jung Ryeol Lee, MD, PhD, Seoul National University Bundang Hospital, Seongnam, Korea, Republic of (South)
- P-300 INHIBITING NECROPTOSIS OF SPERMATOGONIAL STEM CELL AS A NOVEL STRATEGY FOR MALE FERTILITY PRESERVATION.** Guihua Liu, Ph.D.¹, Xing Yang, Ph.D.¹ and Tingting Li, Doctor², ¹The Sixth Affiliated Hospital of Sun Yat-sen University, Guangzhou, China, ²Reproductive Medicine Research Center, Sixth Affiliated Hospital of Sun Yat-sen University, Guangzhou, China
- P-301 DUAL-TRIGGERING WITH HUMAN CHORIONIC GONADOTROPIN AND GONADOTROPIN RELEASING HORMONE AGONIST IS BENEFICIAL FOR ACQUISITION OF MATURE OOCYTES IN LETROZOLE-COMBINED OVARIAN STIMULATION CYCLES.** Yeon Hee Hong, MD.¹, Jung Ryeol Lee,

POSTER PRESENTATIONS

- MD. PhD.², Chang Suk Suh, MD. PhD.³ and Seok Hyun Kim, MD. PhD.², ¹Seoul National University Bundang Hospital, Seongnam, Korea, Republic of (South), ²Seoul National University College of Medicine, Seoul, Korea, Republic of (South), ³Sheikh Khalifa Specialty Hospital Ras Al Khaimah, RAK City, United Arab Emirates
- P-302 EGG FREEZING CRACKS UP TO BE A VIABLE FERTILITY PRESERVATION (FP) METHOD: FIFTEEN YEARS OF AUTOLOGOUS OOCYTE (AO) THAW OUTCOMES AT A LARGE UNIVERSITY-BASED FERTILITY CENTER.** Sarah Druckenmiller Cascante, MD, Shannon Devore, MD, Jennifer K Blakemore, MD, Tsai-Ling Lee, MS, Caroline McCaffrey, PhD and James A Grifo, MD, PhD, NYU Langone School of Medicine, New York, NY
- P-303 MEDICALLY-INDICATED OOCYTE (OC) AND EMBRYO CRYOPRESERVATION (EC) IN PATIENTS WITH NON-ONCOLOGIC CONDITIONS: 5 YEARS OF EXPERIENCE AT AN URBAN UNIVERSITY-BASED FERTILITY CENTER.** Amani Sampson, B.A.¹, Emily Michelle Weidenbaum, MD¹, Jennifer K Blakemore, MD², Gwendolyn P. Quinn, Ph.D.¹ and James A Grifo, MD, PhD², ¹NYU Langone School of Medicine, New York, NY, ²NYU Langone Prelude Fertility Center, New York, NY
- P-304 PLANNED OOCYTE CRYOPRESERVATION (PL-OC) IN WOMEN AGE 40-45.** Bat-Sheva L Maslow, MD, MSCTR, Leslie B Ramirez, PhD, Michael M Guamaccia, MD, MPH and Joshua U Klein, MD, Extend Fertility, New York, NY
- P-305 DOES AGE OR GYNECOLOGIC AGE AFFECT OUTCOMES OF OOCYTE CRYOPRESERVATION IN PERI-PUBERTAL AND ADOLESCENT FEMALES?** Nicole D Yoder, MD¹, Emily E Auran, MD¹, David H. McCulloh, Ph.D.² and Mary Elizabeth Fino, MD³, ¹NYU School of Medicine, New York, NY, ²NYU Langone Fertility Center, New York, NY, ³NYU Langone Prelude Fertility Center, New York, NY
- P-306 FACTORS THAT INCREASE LIKELIHOOD OF USE OF CRYOPRESERVED SPERM IN AYA MALES UNDERGOING FERTILITY PRESERVATION.** Kathryn M Goldrick, MD, Molly Bergen, BS, Randal D Robinson, MD, T. Arthur Chang, PhD, HCLD, ELD, Mario Octavio de la Pena Jr., BS and Jennifer F Knudtson, MD, University of Texas Health Science Center, San Antonio, TX
- P-307 CARE GAPS IN FERTILITY PRESERVATION SERVICES FOR RESIDENT PHYSICIANS: A SURVEY OF FERTILITY PRESERVATION AWARENESS AND INSURANCE COVERAGE.** Ashley S. Kim, M.D., Amy S. Dhesi, M.D., Sami I. Jabara, M.D. and Marsha B. Baker, M.D., M.P.H, Kaiser Permanente Los Angeles Medical Center, Los Angeles, CA
- PD2-05 POSTER SESSION: FIBROIDS**
- P-308 RELUGOLIX COMBINATION THERAPY IMPROVES UTERINE FIBROID-ASSOCIATED PAIN DURING MENSTRUAL AND NON-MENSTRUAL DAYS: RESULTS FROM THE LIBERTY PHASE 3 PROGRAM.** Ayman Al-Hendy, MD, PhD¹, Andrea S Lukes, MD, MHSc², Roberta Venturella, MD, PhD³, Yulan Li, PhD⁴, Rachel B Wagman, MD⁵, Elke Hunsche, PhD⁶ and Elizabeth A Stewart, MD⁷, ¹Department of Surgery, University of Illinois at Chicago, Chicago, IL, ²Carolina Women's Research and Wellness Center, Durham, NC, ³Magna Graecia University of Catanzaro, Catanzaro, Italy, ⁴Myovant Sciences, Inc., Brisbane, CA, ⁵Myovant Sciences Inc., Brisbane, CA, ⁶Myovant Sciences GmBH, Basel, Switzerland, ⁷Mayo Clinic Department of OB/GYN, Reproductive Endocrinology and Infertility, Rochester, MN
- P-309 UTERINE FIBROID-CAUSING MUTAGENESIS INDUCED BY DEVELOPMENTAL EXPOSURE TO ENDOCRINE DISRUPTING CHEMICALS IS MEDIATED VIA ABROGATION OF NUCLEOTIDE EXCISION REPAIR PATHWAY IN MYOMETRIAL STEM CELLS THROUGH UPREGULATION OF TGF- β 1.** Maria Victoria Bariani, Ph.D., Hoda Elkafas, B. Pharm, MSc, Mohamed Ali, BPharm, MSc, Qiwei Yang, PhD and Ayman Al-Hendy, MD, PhD, Department of Surgery, University of Illinois at Chicago, Chicago, IL
- P-310 THE YAP INHIBITOR VERTEPORFIN REGULATES ACTIVIN-A/SMAD SIGNALING AND MECHANOTRANSDUCTION IN UTERINE FIBROID CELLS.** Md Soriful Islam, PhD, Sadia Afrin, PhD, Joshua T Brennan, MPH,

POSTER PRESENTATIONS

Subbroto Kumar Saha, PhD, Mostafa A Borahay, MD, PhD and James H Segars, MD, Johns Hopkins University School of Medicine, Baltimore, MD

at Chicago, Chicago, IL, ⁴University of Texas Health Science Center at San Antonio, San Antonio, TX, ⁵University of Illinois College of Medicine, Chicago, IL

- P-311 SINGLE CELL TRANSCRIPTOMES FROM UTERINE FIBROIDS AND FIBROID-FREE MYOMETRIUM ELUCIDATE MYOMETRIAL TUMORIGENESIS.** Wanxin Wang, PhD¹, Aymara Mas, PhD², Patricia Escorcía, BS², Javier Monleón, MD³, Stephen R Quake, DPhil¹ and Carlos Simón, MD, PhD⁴, ¹Stanford University, Stanford, CA, ²Igenomix Foundation, Valencia, Spain, ³Hospital Universitario La Fe, Valencia, Spain, ⁴Professor University of Valencia, INCLIVA, Founder and Head of the Scientific Advisory Board, Igenomix, Paterna (Valencia), Spain
- P-312 STAT3 AND AP-1 SIGNALING IN HUMAN UTERINE LEIOMYOMA CELLS IS REGULATED BY GONADAL HORMONES.** Minnie Malik, Ph.D.¹, Joy L. Britten, MD¹, Anthony DeAngelis, MD, PhD² and William Catherino, M.D., Ph.D.¹, ¹Uniformed Services University of the Health Sciences, Bethesda, MD, ²Walter Reed National Military Medical Center, Bethesda, MD
- P-313 THYROID DYSFUNCTION AND FIBROIDS IN LATINA/LATINX (LLX) FEMALES: INSIGHTS FROM THE ENVIRONMENT, LEIOMYOMAS, LATINAS, AND ADOLESCENT OBESITY STUDY (ELLAS).** Emma C. Manuel, BS¹, Torie C. Plowden, MD, MPH², Nicole Contreras-Rodriguez, BS¹, Richard L. Bryce, DO³, Lisa M. Neff, MD⁴, Mercedes Carnethon, PhD⁴ and Erica E. Marsh, MD, MSCI, FACOG¹, ¹Reproductive Endocrinology and Infertility, University of Michigan, Ann Arbor, MI, ²Walter Reed National Military Medical Center, Bethesda, MD, ³Community Health and Social Services (CHASS) Center, Detroit, MI, ⁴Northwestern University, Chicago, IL
- P-314 N⁶-METHYLADENOSINE REGULATORS IN PREVALENCE AND BURDEN OF BLACK WOMEN IN UTERINE FIBROIDS.** Qiwei Yang, PhD¹, Mohamed Ali, BPharm, MSc², Shan He, MS¹, Maria Victoria Bariani, Ph.D.³, Tom Boyer, Ph.D.⁴ and Ayman Al-Hendy, MD, PhD⁵, ¹University of Illinois at Chicago, Chicago, IL, ²Department of Surgery, University of Illinois at Chicago, Chicago, IL, ³Department of Surgery, University of Illinois
- P-315 COMPARATIVE ANALYSIS OF FK506-BINDING PROTEINS 51 (FKBP51) AND 52 (FKBP52) IN UTERINE FIBROIDS COMPARED TO NORMAL MYOMETRIUM.** Erika P New, MD, MPH¹, Joung Woul Kim, PhD¹, ASLI Ozmen, PhD², Xiaofang Guo, MD², Ozlem Guzeloglu-Kayisli, PhD², Anthony N Imudia, MD¹, Charles J Lockwood, MD, MHCM¹ and Umit A Kayisli, PhD², ¹University of South Florida, Tampa, FL, ²Department of Obstetrics and Gynecology, Morsani College of Medicine, University of South Florida, Tampa, FL
- P-316 ACTIVATION OF SIRTUIN 3 BY NATURAL COMPOUND HONOKIOL INHIBITS HUMAN UTERINE FIBROID PHENOTYPE.** Michal Ciebiera, MD, PhD¹, Mohamed Ali, BPharm, MSc², Qiwei Yang, PhD², Jack L. Arbiser, MD, PhD³ and Ayman Al-Hendy, MD, PhD², ¹Center of Postgraduate Medical Education, Warsaw, Poland, ²University of Illinois at Chicago, Chicago, IL, ³Emory University, Atlanta, GA
- P-317 SURGICAL AND OBSTETRICAL OUTCOMES OF SINGLE PORT LAPAROSCOPIC MYOMECTOMY: RESULTS OF 502 CASES.** Jung Ryeol Lee, MD., PhD., Yeon Hee Hong, MD. and Eunjin Song, MD., Seoul National University Bundang Hospital, Seongnam, Korea, Republic of (South)
- P-318 IN VITRO COLLAGEN CLEARANCE OF OVARIAN FIBROSIS TISSUE WITH PURIFIED COLLAGENASE I.** Rumiana Ganeva, MSc, Dimitar Parvanov, PhD, Nina Vidolova, MSc, Ivaylo Stoykov, MSc and Georgi Stamenov, MD/PhD, Nadezhda Women's Health Hospital, Sofia, Bulgaria
- P-319 A SYSTEMATIC REVIEW OF UTERINE-SPARING MINIMALLY INVASIVE TREATMENTS FOR FIBROID BLEEDING.** Jiahui Zhang, BA¹, Bhuchitra Singh, MD, MPH, MS², Virginia-Arlene Acosta Go, MD³ and James Segars, MD², ¹Renaissance School of Medicine at Stony Brook University, Stony Brook, NY, ²Johns Hopkins University School of Medicine, Baltimore, MD, ³Saint Joseph Hospital, Denver, CO

POSTER PRESENTATIONS

P-320 THE ROLE OF UTERINE FIBROIDS IN HUMAN ENDOMETRIAL ANGIOGENESIS. Antonia Navarro, PhD and Ayman Al-Hendy, MD, PhD², ¹University of Illinois at Chicago, Chicago, IL

PD2-06 POSTER SESSION: GENETIC COUNSELING

P-321 LIKELIHOOD FOR REACHING EMBRYO TRANSFER FOLLOWING EXCLUSION-BASED NON-DISCLOSURE PREIMPLANTATION GENETIC TESTING FOR MONOGENIC CONDITIONS (PGT-M). Katrina Merrion, MS and Nina Wemmer, MS, Natera, Inc., San Carlos, CA

P-322 INCREASING SCALE AND THROUGHPUT OF TELEHEALTH GENETIC COUNSELING ACROSS THE SPECTRUM OF REPRODUCTIVE CARE, WHILE MAINTAINING HIGH PATIENT SATISFACTION. Kiley Johnson, MS, Jill Davies, MS and Colleen Caleshu, MS, GeneMatters, Minneapolis, MN

P-323 PATHOGENIC VARIANTS WITHIN ACMG SECONDARY FINDINGS GENES IN 24,591 HEALTHY INDIVIDUALS USING CLINICAL EXOME SEQUENCING FOR CARRIER SCREENING. Pere Mir Pardo, PhD¹, Joaquin Panadero, MSc¹, Gema Escribano, MSc¹, Jorge Jimenez-Almazán, PhD¹, Roberto Alonso, MSc¹, Claudia Abellan, MSc², Carlos Simón, MD, PhD³ and Julio Martin, MSc¹, ¹Igenomix, Valencia, Spain, ²INCLIVA/ University of Valencia, Valencia, Spain, ³Professor University of Valencia, INCLIVA, Founder and Head of the Scientific Advisory Board, Igenomix, Paterna (Valencia), Spain

P-324 WHAT TO ADVISE TO PATIENTS WITH ONE GOOD QUALITY BLASTOCYST? PGT-A OR NOT? OUTCOMES OF 1737 CYCLES Murat Cetinkaya, M.D., PhD, Cigdem Cinar Yapan, MsC, Mehmet Ali Tufekci, PhD, Hakan Kadir Yelke, MsC, Yesim Kumtepe Colakoglu, MsC and Semra Kahraman, Prof. MD, Istanbul Memorial Hospital, Istanbul, Turkey

P-325 PGT-A INCIDENTAL FINDING: RECURRENT MOSAIC SEGMENTAL ANEUPLOIDY INDICATIVE OF BENIGN FAMILIAL VARIANT. Rachel A Donnell, MMSc, CGC¹ and Lauren Thomas Garrett, MS, CGC², ¹Seattle

Reproductive Medicine, Seattle, WA, ²Pacific Northwest Fertility, Seattle, WA

P-326 GENOMICS ANALYSIS OF MATERNAL EXOMES REVEALS NEW CANDIDATE GENES AND PATHWAYS FOR THE DIAGNOSIS AND PREDICTION OF RECURRENT PREIMPLANTATION EMBRYO ARREST IN IVF CYCLES. Semra Kahraman, Prof. MD¹, Fulya Gokdagli Sagir, MD¹, Beril Yuksel, Assoc. Prof. MD¹, Murat Cetinkaya, M.D., PhD¹, Meral Gavaz, MSc¹, Burcu Kara, BSc¹, Mesut Yesil, MSc¹, Gunkut Akar, MSc¹, Silvia Buonaiuto, BSc², Gianluca Damaggio, MS², Marco Fabiani, PhD³, Adriano De Marino, PhD³, Vincenza Colonna, PhD², Carlos Simón, Prof. MD⁴ and Antonio Capalbo, PhD³, ¹Istanbul Memorial Sisli Hospital, Istanbul, Turkey, ²Institute of Genetics and Biophysics, National Research Council (CNR), Naples, Italy, ³Igenomix, Marostica, Italy, ⁴Igenomix Foundation, Valencia, Spain

P-327 NOT ALL PREIMPLANTATION GENETIC TESTING IS CREATED EQUAL: EVALUATING PATIENT OPINIONS BASED ON TEST TYPE. Jennifer L Garbarini, MS, CGC, Dina Nusblat, MS, CGC and Marie Discenza, MS, CGC, CooperSurgical, Trumbull, CT

PD2-07 POSTER SESSION: HEALTH DISPARITIES

P-328 INFLUENCE OF MALE PARTNER RACE ON USE AND OUTCOMES OF ASSISTED REPRODUCTIVE TECHNOLOGIES. Adriana Nicholson Vest, PhD¹, Lauren M Kipling, MPH², Heather S Hipp, MD¹, Jennifer F Kawwass, MD³ and Akanksha Mehta, M.D., M.S.⁴, ¹Emory University School of Medicine, Atlanta, GA, ²Emory University Rollins School of Public Health, Atlanta, GA, ³Emory University School of Medicine, Division of Reproductive Endocrinology and Infertility, Atlanta, GA, ⁴1365 Clifton Road NE, Building B, Atlanta, GA

P-329 AFRICAN AMERICAN WOMEN HAVE LOWER ODDS OF LIVE BIRTH FROM DONOR EGG IVF. Jasmine Aly, MD¹, Kate Devine, MD², Samad Jahandideh, PhD², Alicia Y Christy, MD³, Alan H DeCherney, MD¹ and Micah J Hill, DO¹, ¹Eunice Kennedy Shriver National Institute of Child Health and Human Development, Bethesda, MD, ²Shady Grove Fertility Center, Rockville, MD, ³Veterans

POSTER PRESENTATIONS

- Administration, Kensington, MD
- P-330** **THERE IS A DISPARITY IN ART OUTCOMES BETWEEN ASIAN AND CAUCASION WOMEN IN OOCYTE DONATION CYCLES.** Jasmine Aly, MD¹, Micah J Hill, DO¹, Samad Jahandideh, PhD², Alicia Y Christy, MD³, Alan H DeCherney, MD¹, Kate Devine, MD² and Frank E Chang, MD², ¹Eunice Kennedy Shriver National Institute of Child Health and Human Development, Bethesda, MD, ²Shady Grove Fertility Center, Rockville, MD, ³Veterans Administration, Kensington, MD
- P-331** **RACIAL DISPARITIES IN FROZEN EMBRYO TRANSFER SUCCESS.** Quetrell D Heyward, MD, MBA¹, Jessica R Walter, MD¹, Snigdha Alur-Gupta, MD MSCE¹, Arnav Lal, MD, MSCE¹, Dara S. Berger, PhD¹, Samantha Butts, MD, MSCE¹ and Clarisa Gracia, MD, MSCE¹, ¹University of Pennsylvania, Division of Reproductive Endocrinology and Infertility, Philadelphia, PA, ²University of Pennsylvania, Philadelphia, PA
- P-332** **COMPARISON OF PREGNANCY AND LIVE BIRTH OUTCOMES FOLLOWING FRESH EMBRYO TRANSFER BETWEEN BLACK AND WHITE PATIENTS WITH CONCORDANT BMI CLASSIFICATION.** Phillip A Romanski, MD, Pietro Bortoletto, MD and Steven Spandorfer, MD, The Ronald O. Perelman and Claudia Cohen Center for Reproductive Medicine, Weill Cornell Medicine, New York, NY
- P-333** **COMPARISON OF LIVE BIRTH OUTCOMES IN FRESH EMBRYO TRANSFER IVF CYCLES BETWEEN ASIAN AND WHITE WOMEN WITH CONCORDANT BMI CLASSIFICATION.** Phillip A Romanski, MD, Pietro Bortoletto, MD and Steven Spandorfer, MD, The Ronald O. Perelman and Claudia Cohen Center for Reproductive Medicine, Weill Cornell Medicine, New York, NY
- P-334** **DO SOCIOECONOMIC DEMOGRAPHIC PROFILES BY ETHNICITY AND REGION MAKE A DIFFERENCE IN THE OBJECTIVE ASSESSMENT OF THE ONCOFERTILITY EDUCATIONAL INFORMATION ON NCI-DESIGNATED CANCER CENTER WEBSITES IN THE US - A FIVE YEAR COMPARISON.** Janelle M Jackman, MBBS¹, Christopher de Haydu, MD², Melody A Rasouli, MD, MBA³, Angela H Liu, MD³, Kajal Verma, MD³, Sriram Eleswarapu, MD, PhD⁴ and Cindy M Duke, MD, PhD⁵, ¹The Camran Nezhat Institute, Palo Alto, CA, ²University of Miami, Miami, FL, ³University of Nevada, Las Vegas, Las Vegas, NV, ⁴University of California, Los Angeles, Los Angeles, CA, ⁵University of Nevada, Las Vegas and Nevada Fertility Institute, Las Vegas, Las Vegas, NV
- P-335** **SINGLE MOTHERS BY CHOICE: DEFINING AND UNDERSTANDING SINGLE WOMEN UNDERGOING IN VITRO FERTILIZATION.** Samantha L. Estevez, M.D., Baruch Abittan, M.D. and Mary Rausch, MD, Northwell Health Fertility, Zucker School of Medicine at Hofstra/Northwell, Manhasset, NY
- P-336** **INVESTIGATION OF THE RACIAL DISPARITIES AMONGST SEMEN ANALYSES IN WHITE, BLACK, HISPANIC, AND ASIAN MEN.** Zachary Walker, MD, Lindsay Rucker, MD, John Owen, MD, MSPH, Ashley Wiltshire, MD, Lacey M Kendall, BS, Johnathan W Edmonds, PhD, HCLD/ELD/TS and Deidre Gunn, MD, University of Alabama at Birmingham, Birmingham, AL
- P-337** **INFERTILITY AMONG VETERANS: VARIATION IN DEFINITIONS AND SOCIODEMOGRAPHIC CHARACTERISTICS.** Marie E. Thoma, PhD, MHS¹, Michelle A Mengeling, MS, PhD², Anne Sadler, PhD, MS², Amy M.J. O'Shea, PhD², James C Torner, PhD, MS³, Judy E Stern, PhD⁴, Bradley J Van Voorhis, MD³, Alicia Y Christy, MD⁵ and Ginny L Ryan, MD, MA⁶, ¹University of Maryland, College Park, MD, ²Iowa City VA Health Care System, Iowa City, IA, ³University of Iowa, Iowa City, IA, ⁴Dartmouth-Hitchcock, Lebanon, NH, ⁵Veterans Administration, Kensington, MD, ⁶University of Iowa Hospitals and Clinics, Iowa City, IA
- P-338** **DOES RACE IMPACT EMBRYO MORPHOKINETICS?** Luce A Kassi, MD¹, Dana B. McQueen, M.D., M.A.S.², Rafael Confino, BS³, John Zhang, PhD⁴, Mary Ellen Pavone, MD, MSCI⁴ and Dana Kimelman, MD⁴, ¹Northwestern University Feinberg School of Medicine, Chicago, IL, ²Northwestern University, Chicago, IL, ³Northwestern University Feinberg School of Medicine, Chicago, IL, ⁴Northwestern University Feinberg School

POSTER PRESENTATIONS

of Medicine, Department of Obstetrics and Gynecology, Division of Reproductive Endocrinology and Infertility, Chicago, IL

P-339 **SINGLE PARENT BY CHOICE CONTENT ON FERTILITY CLINIC WEBSITES IN THE WESTERN REGION.** Kajal Verma, MD¹, Christopher de Haydu, MD², Melody A Rasouli, MD, MBA¹, Angela H Liu, MD¹, Janelle M Jackman, MBBS³, Sriram Eleswarapu, MD, PhD⁴ and Cindy M Duke, MD, PhD⁵, ¹University of Nevada, Las Vegas, Las Vegas, NV, ²University of Miami, Miami, FL, ³New Hope Fertility Center, New York, NY, ⁴University of California, Los Angeles, Los Angeles, CA, ⁵University of Nevada, Las Vegas and Nevada Fertility Institute, Las Vegas, Las Vegas, NV

P-340 **BASIC FERTILITY INVESTIGATION IN A LOW RESOURCE SETTING IS VALUABLE AS A MARKER FOR OVERALL HEALTH.** Ramya Sethuram, MD¹, Lina Fouad, BS¹, Alexandra E Flessel, BS¹, Ahmad Arabi, MD¹, Kazuhiko Shinki, Ph.D² and Sana Salih, MD¹, ¹Wayne State University School of Medicine, Detroit, MI, ²Wayne State University, Detroit, MI

P-341 **SOCIOECONOMIC STATUS IS NOT ASSOCIATED WITH DONOR OOCYTE RECIPIENT SUCCESS: A PAIRED ANALYSIS UTILIZING SIBLING OOCYTES.** Kelly McCarter, MD¹, Robert Setton, MD², Alice Chung, BA², Zev Rosenwaks, M.D.² and Steven Spandorfer, MD², ¹Weill Cornell Medicine, New York, NY, ²The Ronald O. Perelman and Claudia Cohen Center for Reproductive Medicine, Weill Cornell Medicine, New York, NY

P-342 **CLINICAL BARRIERS AND FACILITATORS THAT INFLUENCE AFRICAN AMERICAN WOMEN TO INITIATE TREATMENT FOR INFERTILITY: A MIXED METHODS STUDY.** Morine Cebert, Ph.D., RN¹, Rosa Gonzalez-guarda, PhD, RN², Susan G. Silva, PhD², Peggy A Shannon-Baker, PhD³, Renee E Hart, MS⁴, Samad Jahandideh, PhD⁴ and Eleanor Stevenson, PhD, RN⁵, ¹University of Pennsylvania & Philadelphia VA Medical Center, Philadelphia, PA, ²Duke University School of Nursing, Durham, NC, ³Georgia Southern University, Statesboro, GA, ⁴Shady Grove Fertility Center, Rockville, MD, ⁵Duke University School of Nursing, Durham, NC

P-343 **WOMEN ≥40 YEARS OLD UNDERGOING IVF WITH FRESH EMBRYO TRANSFER HAVE DIFFERENTIAL CYCLE OUTCOMES BASED ON THEIR RACE.** Stephanie Willson, MD, Pietro Bortoletto, MD, Phillip A Romanski, MD, Owen Davis, M.D. and Zev Rosenwaks, M.D., The Ronald O. Perelman and Claudia Cohen Center for Reproductive Medicine, Weill Cornell Medicine, New York, NY

PD2-08 POSTER SESSION: IMAGING AND REPRODUCTIVE MEDICINE

P-344 **SALINE ULTRASOUND VERSUS OFFICE HYSTEROSCOPY FOR UTERINE CAVITY EVALUATION PRIOR TO IVF: A RANDOMIZED CONTROLLED TRIAL.** Sarah M Moustafa, MD, Gina Silverstein, MD, Steven L Young, M.D., Ph.D. and Linnea R Goodman, MD, University of North Carolina, Raleigh, NC

P-345 **ADENOMYOSIS IN MAGNETIC RESONANCE AND POOR REPRODUCTIVE OUTCOME.** Alejandra Aguilar Crespo, doctor, Enrique Tormo Crespo, licensed in medicine and Juana Crespo Simó, MD, Equipo Juana Crespo, Valencia, Spain

P-346 **DOES STANDING ULTRASOUND IMPROVE THE DETECTION OF CLINICALLY IMPORTANT VARICOCELES.** Nahid Punjani, MD MPH¹, Gal Wald, BA¹, Omar Al Hussein Alawamlh, MD¹, Vanessa L Dudley, MSHS² and Marc Goldstein, M.D.², ¹Weill Cornell Medicine, New York Presbyterian Hospital, New York, NY, ²Center for Male Reproductive Medicine and Microsurgery, Weill Cornell Medicine, New York Presbyterian Hospital, New York, NY

P-347 **ULTRASONOGRAPHY HAS BETTER PERFORMANCE THAN MAGNETIC RESONANCE IMAGING IN DIAGNOSING DEEP ENDOMETRIOSIS RECURRENCE.** Simone Ferrero, MD PhD¹, Carolina Scala, MD², Ennio Biscaldi, MD³ and Fabio Barra, MD¹, ¹IRCCS Ospedale Policlinico San Martino, Genova, Italy, ²Istituto G. Gaslini, Genova, Italy, ³Department of Radiology, Galliera Hospital, Genova, Italy

P-348 **CORRELATION BETWEEN CT VIRTUAL HYSTEROSALPINGOGRAPHY FINDINGS WITH THOSE OF HYSTEROSCOPY AND**

POSTER PRESENTATIONS

- P-349** **ULTRASOUND IMAGING PREDICTS ENDOMETRIAL RECEPTIVITY – A DECREASE IN ENDOMETRIAL THICKNESS (COMPACTION) PRIOR TO EMBRYO TRANSFER IS ASSOCIATED WITH AN INCREASE IN CLINICAL PREGNANCY RATE IN SYNTHETIC FROZEN EUPLOID IVF CYCLES.** Pavan Gill, MD¹, Julia G Kim, MD, MPH², Paul A Bergh, MD² and Richard Thomas Scott Jr., MD², ¹University of Toronto, Toronto, ON, Canada, ²IVI RMA New Jersey, Basking Ridge, NJ
- P-350** **UTILITY OF THREE-DIMENSIONAL ULTRASOUND (3D-US) IN WOMEN WITH ARCUATE UTERI SCHEDULED FOR INVITRO-FERTILIZATION (IVF): A SCENARIO ECONOMIC ANALYSIS.** Reda S. Hussein, MD¹, Ahmed M. Abdelmagied, MD², Mohamed F Aboelnasr, MD³, Nada M Elnugomi, MD⁴, Amal Y Zaman, MD⁴, Fawzia Ahmed Habib, MD⁴, Tameem Mazen AL jayousi, MD⁴ and Ahmed M Abbas, MD², ¹Department of Obstetrics and Gynecology, Mayo Clinic, Rochester, MN, ²Department of Obstetrics and Gynecology, Faculty of Medicine, Assiut University, Assiut, Egypt, ³Departement of Obstetrics and Gynecology, Faculty of Medicine, Menoufiya University, Shebin Elkom, Egypt, ⁴Department of Obstetrics and Gynecology, Faculty of Medicine, Taibah University, Saudi Arabia
- P-351** **SONOGRAPHIC OBSERVATION OF ENDOMETRIAL COMPACTION AS A POTENTIAL PREDICTOR OF ENDOMETRIAL RECEPTIVITY.** Leah A Kaye, MD¹, Melody A Rasouli, MD, MBA², Angela H Liu, MD², Ankita Raman, MD³, Carrie E Bedient, MD¹, Forest C Garner, MS¹ and Bruce S Shapiro, M.D., Ph.D., H.C.L.D.⁴, ¹Fertility Center of Las Vegas, Las Vegas, NV, ²University of Nevada, Las Vegas, Las Vegas, NV, ³University of Nevada, Las Vegas, School of Medicine, Las Vegas, NV, ⁴Fertility Center of Las Vegas, Las Vegas, Nevada, NV
- P-352** **THREE-DIMENSIONAL ULTRASOUND GUIDANCE: THE NEW FRONTIER OF EMBRYO TRANSFER?** Yusuf Beebeejaun, MRCOG MHDL MBBS BSc(Hons)¹, Sesh Sunkara, MRCOG¹, Ippokratis Sarris, MRCOG DM² and James M N Duffy, DPhil MRes PG HCL MBChB BSc (Hons)³, ¹King's College London, London, United Kingdom, ²King's Fertility, London, United Kingdom, ³Institute for Women's Health, University College London, Greater London, United Kingdom
- P-353** **AUTOMATED 3D (SONOAVC) VERSUS 2D ULTRASONOGRAPHY IN OVARIAN FOLLICLES COUNT IN PATIENTS WITH LARGE OVARIAN ENDOMETRIOMA UNDERGOING IN VITRO FERTILIZATION.** Simone Ferrero, MD PhD¹, Carolina Scala, MD², Giulio Evangelisti, MD¹, Michele Altieri, MD¹ and Fabio Barra, MD¹, ¹IRCCS Ospedale Policlinico San Martino, Genova, Italy, ²Istituto G. Gaslini, Genova, Italy
- P-354** **TO REMOVE OR NOT TO REMOVE? THAT IS THE QUESTION - THE DILEMMA OF DILATED TUBES** Stephanie R. Brownridge, M.D., Arielle Yeshua, MD, Randi H. Goldman, M.D., Susan Maxwell, MD, Gerald Scholl, MD and Nicole Noyes, MD, Northwell Health Fertility, North Shore University Hospital/Donald and Barbara Zucker School of Medicine at Hofstra/Northwell, Manhasset, NY
- P-355** **IMPACT OF ULTRASOUND DIAGNOSIS OF ADENOMYOSIS ON PREGNANCY RATE AND OUTCOME IN IVF CYCLES WITH DONATED OOCYTES: A PROSPECTIVE STUDY.** Caterina Exacoustos, MD, PhD¹, Martina Cosentino, MD¹, Luisa Loiudice, MD², Francesco Giuseppe Martire, MD¹, Daniela Galliano, MD, PhD³ and Antonio Pellicer, M.D., Ph.D.³, ¹University of Rome 'Tor Vergata', Italy, ²IVI Istituto Valenciano de Infertilidad in Roma and Valencia, University of Valencia affiliated Infertility clinic, Roma, Italy, ³IVI Istituto Valenciano de Infertilidad in Roma and Valencia, University of Valencia affiliated Infertility clinic, Italy
- P-356** **IMAGE GUIDED TRANSVAGINAL & TRANSABDOMINAL DRAIN PLACEMENT FOR SURGICAL NAVIGATION IN A PATIENT WITH TUBO-OVARIAN ABSCESS AND OBSTRUCTED**

POSTER PRESENTATIONS

HEMIVAGINA WITH UTERUS DIDELPHYS.

Pamela B. Parker, M.D., M.P.H.¹, Jared Ray Edwards, MD², Teodora Bochnakova, MD¹ and David Lee, MD¹, ¹Oregon Health & Science University, Portland, OR, ²Naval Medical Center San Diego, San Diego, CA

- P-357 FOLLICULAR TRACKING WITH ULTRASOUND DOES NOT IMPROVE PREGNANCY RATE IN LETROZOLE-INTRAUTERINE INSEMINATION (IUI) CYCLES.** Kristy Cho, MD, FRCSC¹, Jason KM Au, MSc², Rachel NJ Sen-Laurenz, BA³, Arianne Y K Albert, PhD⁴, Jon C Havelock, MD, FRCSC, DABOG² and Caitlin Dunne, MD, FRCSC⁵, ¹Division of Reproductive Endocrinology and Infertility, University of British Columbia, Vancouver, BC, Canada, ²Pacific Centre for Reproductive Medicine, Burnaby, BC, Canada, ³University of British Columbia, Vancouver, BC, Canada, ⁴Women's Health Research Institute, Vancouver, BC, Canada, ⁵Division of Reproductive Endocrinology and Infertility, University of British Columbia, Burnaby, BC, Canada

PD2-09 POSTER SESSION: INFERTILITY AND CANCER

- P-358 EFFECT OF DISTAL CANCER ON THE TELOMERIC LENGTH OF OVARIAN CORTEX CELLS.** Lucía Chico-Sordo, MSc¹, Inmaculada Soler, MD², Jose M Mateu-Pascual, MSc¹, Isabel Córdova-Oriz, MSc¹, Alba M Polonio, MSc¹, Marta Medrano, B.Sc³, María J Soriano, MSc¹, Juan A Garcia-Velasco, MD, PhD³ and Elisa Varela, PhD³, ¹IVI Foundation, IIS La Fe, Valencia, Spain, ²Gynecology, Hospital de Xativa Lluís Alcanyis, Valencia, Spain, ³IVI-RMA Madrid, Rey Juan Carlos University, Madrid, Spain
- P-359 FERTILITY PRESERVATION IN BREAST CANCER PATIENTS: A LONGITUDINAL STUDY OF RETRIEVAL AND OOCYTE/EMBRYO UTILIZATION.** Sydney Chang, MD¹, Susan Finch, MD¹, Joseph A. Lee, BA², Alan B Copperman, MD¹ and Christina Weltz, MD¹, ¹Icahn School of Medicine at Mount Sinai, New York, NY, ²Reproductive Medicine Associates of New York, New York, NY

- P-360 HEREDITARY BREAST CANCER AND FERTILITY**

PRESERVATION OUTCOMES. Suha Arab, MD, MS¹ and William Buckett, M.D.², ¹Doctor, Montreal, QC, Canada, ²Division of Reproductive Endocrinology and Infertility, McGill University Health Care Centre, Montreal, QC, Canada

- P-361 HAVE ONCOFERTILITY INFORMATION FOR PATIENTS IMPROVED? OBJECTIVE ASSESSMENT OF INTERNET BASED FERTILITY PRESERVATION RESOURCES AT NCI CANCER CENTERS FROM 2015-2020** Melody A Rasouli, MD, MBA¹, Christopher de Haydu, MD², Angela H Liu, MD¹, Janelle M Jackman, MBBS³, Kajal Verma, MD¹, Sriram Eleswarapu, MD, PhD⁴ and Cindy M Duke, MD, PhD⁵, ¹University of Nevada, Las Vegas, Las Vegas, NV, ²University of Miami, Miami, FL, ³The Camran Nezhat Institute, Palo Alto, CA, ⁴University of California Los Angeles, Los Angeles, CA, ⁵University of Nevada, Las Vegas and Nevada Fertility Institute, Las Vegas, Las Vegas, NV

- P-362 LIKELIHOOD OF WOMEN ACHIEVING MORE THAN ONE LIVE BIRTH AFTER VARIOUS TYPES OF CANCERS.** Deepika Garg, MD¹, Huong Dieu Meeks, PhD¹, Erica Johnstone, MD¹, Sarah L Berga, MD¹, Ken R Smith, PhD¹, James Hotaling, MD² and Joseph M Letourneau, MD¹, ¹University of Utah, Salt Lake City, UT, ²University of Utah School of Medicine Andrology and IVF Laboratories, Salt Lake City, UT

- P-363 FERTILITY PRESERVATION (FP) IN BREAST CANCER PATIENTS: PREDICTORS AND OUTCOMES.** Molly B Moravek, MD, MPH¹, Rafael Confino, BS², Angela K. Lawson, Ph.D.³, Kristin Smith, B.S.⁴, Susan Klock, PhD⁵ and Mary Ellen Pavone, MD, MSCI⁴, ¹University of Michigan, Ann Arbor, MI, ²Northwestern Feinberg School of Medicine, Chicago, IL, ³Northwestern University Feinberg School of Medicine, Department of Obstetrics and Gynecology, Division of Reproductive Endocrinology and Infertility, Chicago, CA, ⁴Northwestern University Feinberg School of Medicine, Department of Obstetrics and Gynecology, Division of Reproductive Endocrinology and Infertility, Chicago, IL, ⁵Northwestern University, Chicago, IL

POSTER PRESENTATIONS

- P-364 ONCOFERTILITY AND THIRD PARTY REPRODUCTION: ANALYSIS OF PATIENT DIRECTED INFORMATION AND REGIONAL BARRIERS.** Melody A Rasouli, MD, MBA¹, Christopher de Haydu, MD², Angela H Liu, MD¹, Janelle M Jackman, MBBS³, Kajal Verma, MD¹, Sriram Eleswarapu, MD, PhD⁴ and Cindy M Duke, MD, PhD⁵, ¹University of Nevada, Las Vegas, Las Vegas, NV, ²University of Miami, Miami, FL, ³The Camran Nezhat Institute, Palo Alto, CA, ⁴University of California Los Angeles, Los Angeles, CA, ⁵University of Nevada, Las Vegas and Nevada Fertility Institute, Las Vegas, Las Vegas, NV
- P-365 THE IMPACT OF LETROZOLE ON OVARIAN STIMULATION RESPONSE IN CANCER PATIENTS WITHOUT BREAST CANCER UNDERGOING FERTILITY PRESERVATION.** Suha Arab, MD, MS¹ and William Buckett, M.D.², ¹Doctor, Montreal, QC, Canada, ²Division of Reproductive Endocrinology and Infertility, McGill University Health Care Centre, Montreal, QC, Canada
- P-366 OUTCOMES OF FERTILITY PRESERVATION AMONG CANCER PATIENTS UNDERGOING OOCYTE AND EMBRYO CRYOPRESERVATION.** Alex Robles, MD¹, Brittany Noel Robles, MD, MPH², Laura C Gemmell, MD¹ and Paula C. Brady, MD¹, ¹Columbia University Medical Center, New York, NY, ²Wyckoff Heights Medical Center, Brooklyn, NY
- P-367 POST CHEMOTHERAPY AMH DOES NOT PREDICT MENSTRUAL CYCLE RESUMPTION IN CANCER SURVIVORS.** Ebubechukwu Okeke, B.S.¹, Terri L Woodard, M.D.², Bryan Fellman, M.S.² and Laurie J McKenzie, M.D.², ¹University of Texas School of Public Health, Houston, TX, ²The University of Texas MD Anderson Cancer Center, Houston, TX
- P-368 THE EFFICACY OF ONCO-TESTICULAR SPERM EXTRACTION (ONCO-TESE): A SINGLE-CENTER ANALYSIS.** Shinnosuke Kuroda, M.D., Kimitsugu Usui, M.D., Teppei Takeshima, M.D., Ph.D., Mitsuru Komeya, M.D., Ph.D., Tomonari Hayama, M.D., Ph.D., Hiroji Uemura, MD, Ph.D. and Yasushi Yumura, M.D., Ph.D., Yokohama City University Medical Center, Yokohama, Japan
- P-369 DOSE DENSE CHEMOTHERAPY PROTOCOLS RESULT IN HIGH RATES OF POI (PREMATURE OVARIAN INSUFFICIENCY) IN YOUNG WOMEN WITH BREAST CANCER.** Alexandra Gannon, M.D.¹, Terri L Woodard, M.D.² and Laurie J McKenzie, M.D.², ¹Baylor College of Medicine, Houston, TX, ²The University of Texas MD Anderson Cancer Center, Houston, TX
- P-370 TYPE OF CANCER AND OVARIAN STIMULATION PARAMETERS IN ONCOFERTILITY PATIENTS.** Reda S. Hussein, MD, Zaraq Khan, MD and Yulian Zhao, Ph.D., Department of Obstetrics and Gynecology, Mayo Clinic, Rochester, MN
- P-371 CHANGES IN SPERM CONCENTRATION AND TOTAL MOTILITY, BEFORE AND AFTER THAWING IN CANCER PATIENTS COMPARED TO SPERM DONORS.** Irving Olaf Morales, M.D.¹, Roberto Santos, M.D.², Jose I. Obeso Montoya, PhD², Jesus A. Roiz Castro, MD³ and Karla Alejandra Cantú, M. Sc.², ¹IECH-Biología de la Reproducción Humana, Monterrey, NL, Mexico, ²IECH, Monterrey, NL, Mexico, ³IECH, MEXICO, MONTERREY, NL, Mexico
- P-372 ALTERNATIONS OF SPERM PROTEIN PROFILES TO ELUCIDATE THE MECHANISM OF IMPAIRED SPERMATOGENESIS BY CANCER CHEMOTHERAPY.** Teppei Takeshima, M.D., Ph.D., Shinnosuke Kuroda, M.D. and Yasushi Yumura, M.D., Ph.D., Yokohama City University Medical Center, Yokohama, Japan
- P-373 FERTILITY-SPARING SURGERY FOR CERVICAL CANCER IN REPRODUCTIVE-AGED WOMEN.** Viviana Beatriz Ventura, MD¹, Rodolfo Martin Riege, MD², Jeronimo Costa, MD³, Valeria Paz, embriologist⁴, Martina Salvai, MD³ and Maria Victoria Vivas, MD⁵, ¹Chief of Reproductive Medicine Center Grupo Gamma, rosario, Argentina, ²Chief of Gynecology Department Grupo Gamma, ROSARIO, Argentina, ³Gynecologist, Rosario, Argentina, ⁴Chief of Embriology Reproductive Center Grupo Gamma, rosario, Argentina, ⁵Fellow of Gynecological Oncology, Rosario, Argentina
- P-374 FERTILITY PRESERVATION WITH IN VIVO OOCYTE RETRIEVAL AMONG YOUNG WOMEN WITH OVARIAN CANCER: A CASE SERIES.** Alex Robles, MD¹, Brittany Noel Robles, MD, MPH², Laura C Gemmell,

POSTER PRESENTATIONS

MD¹ and Paula C. Brady, MD³, ¹Columbia University Medical Center, New York, NY, ²Wyckoff Heights Medical Center, Brooklyn, NY, ³Columbia University Fertility Center, New York, NY

P-375 FERTILITY PRESERVATION COUNSELING IN REPRODUCTIVE AGED WOMEN WITH LOCALIZED GYN CANCERS AT AN URBAN SAFETY NET HOSPITAL: A PILOT STUDY.

Cyra M. Cottrell, MD¹, Gail Ohaegbulam, MD¹ and Giuseppe del Priore, MD, MPH², ¹Morehouse School of Medicine, Atlanta, GA, ²80 Jesse Hill Dr, Atlanta, GA

PD2-10 POSTER SESSION: INFERTILITY TREATMENT OUTCOMES

P-376 HOSPITALIZATIONS IN THE 8 YEARS FOLLOWING DELIVERY IN ART-TREATED AND SUBFERTILE WOMEN. Leslie V. Farland, Sc.D.¹, Chia-Ling Liu, RN, MPH, ScD², Howard J Cabral, PhD, MPH³, Stacey A Missmer, ScD⁴, Charles C Coddington, MD⁵, Sunah S Hwang, MD MPH⁶ and Judy E Stern, PhD⁷, ¹University of Arizona, Tucson, AZ, ²MPDH, Boston, MA, ³Boston University, Boston, MA, ⁴College of Human Medicine, Michigan State University, Grand Rapids, MI, ⁵University of North Carolina, Charlotte, NC, ⁶University of Colorado School of Medicine, Aurora, CO, ⁷Dartmouth-Hitchcock, Lebanon, NH

P-377 PUBLIC REPORTING OF CLINICAL OUTCOMES IN ASSISTED REPRODUCTIVE TECHNOLOGY IN THE US FOR 2014-2017: REPORTING TO CDC ONLY IS ASSOCIATED WITH FEWER CANCELLATIONS AND LOWER SUCCESS RATES. Thanh Ha Luu, MD¹, Liesl Nel-Themaat, PhD, HCLD¹, Tracy Truong, MS² and Alex J Polotsky, M.D., M.S.¹, ¹University of Colorado Anschutz Medical Campus, Aurora, CO, ²Department of Biostatistics & Bioinformatics, Duke University Medical Center, Durham, NC

P-378 A LONG-TERM FOLLOW-UP STUDY OF HEALTH OUTCOMES OF FAST TRACK AND STANDARD TREATMENT TRIAL (FASTT) PARTICIPANTS COMPARED TO U.S. WOMEN Katherine G. Koniars, MD¹, Marlene B. Goldman, ScD², June L. Fung, PhD², Carleigh B. Nesbit, DO³, Denis A. Vaughan, MD⁴, Thomas L. Toth,

MD⁵ and Richard H. Reindollar, MD², ¹Tufts Medical Center, Boston, MA, ²Geisel School of Medicine at Dartmouth, Hanover, NH, ³Dartmouth Hitchcock Medical Center, Lebanon, NH, ⁴Beth Israel Deaconess Medical Center, Boston, MA, ⁵Boston IVF, Waltham, MA

P-379 INTRA CAVITY FLUID WITH PREVIOUS CAESAREAN SECTION COMPROMISED CLINICAL PREGNANCY AFTER IVF/ICSI TREATMENT. Xing Yang, Ph.D.¹ and Meihong Cai, Master², ¹The Sixth Affiliated Hospital of Sun Yat-sen University, Guangzhou, China, ²Guangzhou First People's Hospital, School of Medicine, South China University of Technology, Guangzhou, China

P-380 DEVELOPING A MINIMUM DATA SET FOR INFERTILITY RESEARCH. James M N Duffy, DPhil MRes PG HCL MBChB BSc (Hons)¹, Cindy Farquhar, FRANZCOG FRCOG MD MPH² and COMMIT: Core Outcomes and Outcome Measure for Infertility Trials, ¹Institute for Women's Health, University College London, Greater London, United Kingdom, ²University of Auckland, Auckland, New Zealand

P-381 LONG TERM FOLLOW UP OF REPRODUCTIVE OUTCOMES IN FAST PARTICIPANTS. Denis A. Vaughan, MD¹, Marlene B. Goldman, ScD², June L. Fung, PhD², Katherine G. Koniars, MD³, Carleigh B. Nesbit, DO⁴, Thomas L. Toth, MD⁵ and Richard H. Reindollar, MD², ¹Beth Israel Deaconess Medical Center, Boston, MA, ²Geisel School of Medicine at Dartmouth, Hanover, NH, ³Tufts Medical Center, Boston, MA, ⁴Dartmouth Hitchcock Medical Center, Lebanon, NH, ⁵Boston IVF, Waltham, MA

P-382 LONGITUDINAL FAMILY BUILDING SATISFACTION IN COUPLES ENROLLED IN THE FAST TRACK AND STANDARD TREATMENT TRIAL (FASTT). Carleigh B. Nesbit, DO¹, Marlene B. Goldman, ScD², June L. Fung, PhD², Katherine G. Koniars, MD³, Denis A. Vaughan, MD⁴, Thomas L. Toth, MD⁵ and Richard H. Reindollar, MD², ¹Dartmouth Hitchcock Medical Center, Lebanon, NH, ²Geisel School of Medicine at Dartmouth, Hanover, NH, ³Tufts Medical Center, Boston, MA, ⁴Beth Israel Deaconess Medical Center,

POSTER PRESENTATIONS

Boston, MA, ⁵Boston IVF, Waltham, MA

Hospital, Istanbul, Turkey

- P-383** **LIVE BIRTHS AFTER UTERUS TRANSPLANTATION: REPORT OF THE FIRST SIX DELIVERIES AT A SINGLE CENTER—DUETS (DALLAS UTERUS TRANSPLANT STUDY).** Liza Johannesson, MD, PhD¹, J Michael Putman, MD², Lilly Zhang, PhD², E Colin Koon, MD, PhD¹, Zachary S Rubeo, MD³, Greg McKenna, MD¹, Johanna Bayer, MD¹, Jackie York, MD¹, Giuliano Testa, MD¹ and Anthony Gregg, MD¹, ¹Baylor University Medical Center, Dallas, TX, ²Fertility Center Dallas, Dallas, TX, ³Obstetrix Medical Group of Texas, Fort Worth, TX
- P-384** **INTRAVAGINAL EMBRYO CULTURE AFTER LETROZOLE (LTZ) / GONADOTROPIN MILD STIMULATION AND IMMEDIATE ICSI: SINGLE-CENTER OUTCOMES OF 339 AUTOLOGOUS CYCLES IN 252 COUPLES.** Karen R. Hammond, DNP, CRNP¹, Lisa J Ray, MS, HCLD², Nicholas A Cataldo, MD, MPH¹ and Cecil A Long, MD¹, ¹America Institute for Reproductive Medicine, Birmingham, AL, ²ART Labs Unlimited, Streamwood, IL
- P-385** **IMPACT OF PRE-IVF TSH LEVELS ON PREGNANCY OUTCOMES.** Maria Bustillo, M.D¹, Ineabelle Collazo, BS², Katherine L. Palmerola, MD¹, Sabrina A. Gerkowicz, MD², Juergen Eisermann, M.D¹, Nicholas Hendon, BS² and Himanshu Arora, PhD³, ¹IVFMD, South Florida Institute for Reproductive Medicine, MIAMI, FL, ²IVFMD, South Florida Institute for Reproductive Medicine, Miami, FL, ³University of Miami Miller School of Medicine, Miami, FL
- P-386** **DAY 7 EMBRYO CULTURE INCREASES BLASTOCYST YIELD FOR DIFFERENT AGED FEMALE PATIENTS.** Nancy L Bossert, PhD¹, Rebecca L. Krisher, PhD², William B Schoolcraft, MD², Hannah Van Der Geest, BS¹ and Jason E Swain, PhD, HCLD³, ¹CCRM Minneapolis, Edina, MN, ²CCRM Colorado, Lone Tree, CO, ³CCRM Fertility Network, Lone Tree, CO
- P-388** **INCIDENCE OF MULTIPLE BIRTHS IN RELATION TO CURRENT REGULATIONS IN TURKEY REGARDING EMBRYO TRANSFER.** Semra Kahraman, Prof. MD, Ipek Nur Balin Duzguner, MD, Soner Duzguner, MD and Yucel Sahin, MD, Istanbul Memorial
- P-389** **CESAREAN SECTION: RISK FOR ECTOPIC IN SUBSEQUENT PREGNANCY.** Alixandra Domney, M.D., M.P.H.¹, Stephanie R. Brownridge, M.D.² and Christine Mullin, M.D.², ¹Department of OBGYN, North Shore University Hospital/Donald and Barbara Zucker School of Medicine at Hofstra/Northwell, Manhasset, NY, ²Northwell Health Fertility, North Shore University Hospital/Donald and Barbara Zucker School of Medicine at Hofstra/Northwell, Manhasset, NY
- P-390** **DOES JUNCTIONAL ZONE (JZ) THICKNESS EFFECT IMPLANTATION AND IN VITRO FERTILIZATION (IVF) SUCCESS RATES IN UNEXPLAINED INFERTILE PATIENTS?** Temel Ceyhan, M.D. Professor¹, Murat Ozekinci, M.D. Associate Prof², Cem Korkmaz, M.D. Professor¹, Mehmet Sakinci, M.D. Associate Prof³ and Baris Baykal, M.D.¹, ¹University of Health Sciences, Ankara, Turkey, ²Memorial Antalya Hospital, Antalya, Turkey, ³Akdeniz University Hospital, Antalya, Turkey
- P-391** **EFFECT OF AN ISTHMOCELE ON IVF OUTCOME IN INFERTILE PATIENTS UNDERGOING STIMULATED IVF TREATMENT.** Chung-Hoon Kim, M.D., Ph.D., Jei-Won Moon, M.D. and Shin Yong Moon, M.D., Ph.D., M Fertility Center, Seoul, Korea, Republic of (South)
- P-392** **DOES A HISTORY OF UNEXPLAINED INFERTILITY INCREASE THE RISK OF COMPLICATIONS IN SUBSEQUENT PREGNANCIES? A FOLLOW-UP STUDY OF FAST TRACK AND STANDARD TREATMENT TRIAL (FASTT) PARTICIPANTS** Katherine G. Koniars, MD¹, Marlene B. Goldman, ScD², June L. Fung, PhD², Carleigh B. Nesbit, DO³, Denis A. Vaughan, MD⁴, Thomas L. Toth, MD⁴ and Richard H. Reindollar, MD², ¹Tufts Medical Center, Boston, MA, ²Geisel School of Medicine at Dartmouth, Hanover, NH, ³Dartmouth Hitchcock Medical Center, Lebanon, NH, ⁴Boston IVF, Waltham, MA
- P-393** **THE CHANGE IN ANTRAL FOLLICLE COUNT EFFECT ON PREGNANCY RATE IN CONSECUTIVE CONTROLLED OVARIAN STIMULATION AND INTRAUTERINE**

POSTER PRESENTATIONS

- INSEMINATION CYCLES.** Melissa A Mathes, MD, Elizabeth A Kastrick, MD and Stephanie Gustin, MD, The University of Nebraska Medical Center, Omaha, NE
- P-394 EFFICACY ANALYSIS OF LETROZOLE AS CO-TREATMENT AGENT IN PROGESTIN-PRIMED OVARIAN STIMULATION PROTOCOL ON PREDICTED NORM/HIGH RESPONDERS.** Xiaolan Li, M.D. and Jiawei Cai, M.D.², ¹The Sixth Affiliated Hospital of Sun Yat-Sen University, Guangzhou, China
- P-395 COST ANALYSIS OF ESTROGEN PRIMING VS MICRODOSE LEUPROLIDE FLARE PROTOCOLS FOR WOMEN WITH DIMINISHED OVARIAN RESERVE UNDERGOING IVF.** Nicole D Ulrich, MD¹, Nicholas S Raja, MD², Charley Jiang, MS³ and Molly B Moravek, MD, MPH², ¹Reproductive Endocrinology and Infertility, University of Michigan, Ann Arbor, MI, ²University of Michigan, Ann Arbor, MI, ³MD/MSCR candidate, Ann Arbor, MI
- P-396 THE CORRELATION BETWEEN SALINE INFUSION SONOGRAM FINDINGS AND HISTOPATHOLOGY IN THE MANAGEMENT OF INTRAUTERINE FILLING DEFECTS IN INFERTILE PATIENTS.** Ramya Sethuram, MD¹, Alexandra E Flessel, BS¹, Lina Fouad, BS¹, Damla C Gonullu, MD¹, Abhijit Mandal, PH.D² and Sana Salih, MD¹, ¹Wayne State University School of Medicine, Detroit, MI, ²Wayne State University, Detroit, MI
- P-397 THE APPLICATION OF DROTAVERINE IN IVF-ET FRESH CYCLE: AN ANALYSIS OF 840 CYCLES.** Tingting Li, Doctor¹, Panyu Chen, Master² and Cong Fang, PHD, MD², ¹Reproductive Medicine Research Center, Sixth Affiliated Hospital of Sun Yat-sen University, Guangzhou, China, ²The Sixth Affiliated Hospital of Sun Yat-sen University, Guangzhou, China
- P-398 A PILOT STUDY INCLUDING A RETROSPECTIVE ANALYSIS OF DEMOGRAPHIC, CLINICAL, LABORATORY DATA AND PREGNANCY OUTCOMES OF PATIENTS PRESENTED TO OUR ART CLINIC TO ESTABLISH A SUITABLE NATIONALLY AVAILABLE DATABASE.** Elif Ece Inceli, Medical Doctor¹, Nafiye Yilmaz, PROFESSOR¹ and Aytakin Tokmak, Assoc. Prof.², ¹Health Science University Turkey ,Ankara City Hospital, Ankara, Turkey, ²Health Science University Turkey ,Mersin City Hospital, Mersin, Turkey
- P-399 OUTCOMES AFTER ADJUNCT GROWTH HORMONE TREATMENT WITH A LOW, INTERMEDIATE, OR HIGH DOSE PROTOCOL IN IVF CYCLES WITH POOR RESPONDERS.** Reeva B Makhijani, MD¹, Stephanie M Hallisey, MD¹, Prachi N Godiwala, MD², Chantal Bartels, MD¹, Daniel R Grow, MD¹, Lawrence Engmann, MD¹, John Nulsen, MD¹ and Claudio A Benadiva, MD¹, ¹University of Connecticut Health Center, Center for Assisted Reproductive Services, Farmington, CT, ²University of Connecticut Health Center, Center for Advanced Reproductive Services, Farmington, CT
- PD2-11 POSTER SESSION: THIRD PARTY REPRODUCTION**
- P-400 CYTOMEGALOVIRUS IMMUNOPOSITIVITY DOES NOT CORRELATE WITH ABNORMAL SPERM PARAMETERS WITHIN A LARGE SPERM DONOR POPULATION.** Ariella Farzan Nikou, BS¹, Joanne Won, BS², Stephanie Pan, MS¹, Hyewon Choi, MS¹, Joseph A. Lee, BA², Christopher Antonelli, BS³, Natan Bar-Chama, MD², Jaime M. Shamonki, MD⁴ and Alan B Copperman, MD¹, ¹Icahn School of Medicine at Mount Sinai, New York, NY, ²Reproductive Medicine Associates of New York, New York, NY, ³Generate Life Sciences, Los Angeles, CA, ⁴Generate Life Sciences, Los Angeles, NY
- P-401 MOTIVATIONS OF SPERM DONORS.** Ariella Farzan Nikou, BS¹, Joanne Won, BS², Hyewon Choi, MS¹, Stephanie Pan, MS¹, Joseph A. Lee, BA², Christopher Antonelli, BS³, Natan Bar-Chama, MD², Jaime M. Shamonki, MD⁴ and Alan B Copperman, MD¹, ¹Icahn School of Medicine at Mount Sinai, New York, NY, ²Reproductive Medicine Associates of New York, New York, NY, ³Generate Life Sciences, Los Angeles, CA, ⁴Generate Life Sciences, Los Angeles, NY
- P-402 DOES SHIPPING IMPACT CRYO-SURVIVAL OR USABLE EMBRYO RATES DERIVED FROM VITRIFIED DONOR OOCYTES?** Jenna Friedenthal, MD¹, Joseph A. Lee, BA², Wayne Caswell, MS³, Melissa O Stratton, BA⁴, Christine Briton-Jones, PhD, HCLD² and

POSTER PRESENTATIONS

- Alan B Copperman, MD¹, ¹Icahn School of Medicine at Mount Sinai, New York, NY, ²Reproductive Medicine Associates of New York, New York, NY, ³Donor Egg Bank, USA, Rockville, MD, ⁴Donor Egg Bank, USA, Rockville, NY
- P-403 OCCURRENCE OF SECONDARY FINDINGS DURING UNIVERSAL CARRIER SCREENING FOR EGG DONOR CANDIDATES.** Amber Gamma, MS, CGC, Mary Rausch, MD, Jeanette Tomasino, Ph.D., Marie Marella, RN, BSN and Marianne Farkas, RN, BSN, Northwell Health Fertility, Zucker School of Medicine at Hofstra/Northwell, Manhasset, NY
- P-404 EXAMINING PREDICTORS OF PREGNANCY-RELATED COMPLICATIONS AMONG GESTATIONAL CARRIERS.** Erika L Fuchs, PhD, MPH and Abbey B Berenson, MD, PhD, University of Texas Medical Branch, Galveston, TX
- P-405 CLINICAL FACTORS ASSOCIATED WITH EGG DONORS UNDERGOING ADDITIONAL OOCYTE DONATIONS AFTER THEIR FIRST DONOR CYCLE.** Diane Tober, PhD¹, Kevin S Richter, PhD², Shannon Kokjohn, MSc³, Natalia Villegas, BS⁴, Katarina Cook, BS⁴, Raquel Cool, BA⁵, Kezia Mostak, MS⁴, Cristina Garibaldi, MS⁴, Dougie Zubizarreta, BA⁴ and Said Daneshmand, MD³, ¹UCSF Institute for Health and Aging, San Francisco, CA, ²Fertility Science Consulting, Silver Spring, MD, ³San Diego Fertility Center, San Diego, CA, ⁴University of California, San Francisco, San Francisco, CA, ⁵We Are Egg Donors, Santa Cruz, CA
- P-406 PERINATAL OUTCOMES IN RECIPROCAL VS. ANONYMOUS DONOR OOCYTE IVF CYCLES** Devora Aharon, MD¹, Lucky Sekhon, MD², Joseph A. Lee, BA², Jeffrey Klein, MD², Matthew A Lederman, MD², Beth McAvey, MD¹ and Alan B Copperman, MD¹, ¹Icahn School of Medicine at Mount Sinai, New York, NY, ²Reproductive Medicine Associates of New York, New York, NY
- P-407 ATTITUDES OF OOCYTE DONORS AND NON-DONORS TOWARDS THEIR GENETIC MATERIAL.** Julia Taylor Woodward, PhD¹ and Katherine E MacDuffie, PhD², ¹Duke University Health System, Durham, NC, ²University of Washington, Seattle, WA
- P-408 UTILIZING A STRUCTURAL SUMMARY APPROACH IN THE PSYCHOLOGICAL INTERPRETATION OF PAI PROFILES OF EGG DONOR AND GESTATIONAL CARRIER CANDIDATES.** Mary P. Riddle, Ph.D.¹ and John E Kurtz, Ph.D.², ¹Penn State University, Park, PA, ²Villanova University, Villanova, PA
- P-409 RACIAL AND ETHNIC DISPARITIES AMONG DONOR OOCYTE BANKS IN THE UNITED STATES.** Shelun Tsai, MD¹, Esther H. Chung, MD¹, Tracy Truong, MS², Jeremy M. Weber, MS², Amanda S. Farrell, BS¹, Jenny Wu, BS¹, Onyinye Ohamadike, BA¹ and Jennifer L. Eaton, MD, MSCI¹, ¹Division of Reproductive Endocrinology and Infertility, Duke University Medical Center, Durham, NC, ²Department of Biostatistics & Bioinformatics, Duke University Medical Center, Durham, NC
- P-410 FRESH EMBRYO TRANSFER IMPROVES LIVE BIRTH RATE OVER FROZEN EMBRYO TRANSFER IN FRESHLY RETRIEVED DONOR EGG CYCLES.** Iris Insogna, MD, MBE, Andrea Lanes, PhD, Malinda S Lee, MD, MBA, Elizabeth S Ginsburg, MD and Janis H. Fox, MD, Brigham and Women's Hospital, Boston, MA
- P-411 THE EFFECT OF DONOR AND RECIPIENT RACE ON OUTCOMES OF ASSISTED REPRODUCTION USING DATA FROM A VITRIFIED DONOR OOCYTE BANK.** Yijun Liu, MPH¹, Heather S Hipp, MD², Zsolt Peter Nagy, MD, PhD³, Sarah M Capelouto, MD⁴, Daniel B Shapiro, MD³, Jessica B Spencer, MD, MSc⁵ and Audrey J Gaskins, ScD¹, ¹Emory University, Rollins School of Public Health, Atlanta, GA, ²Emory University School of Medicine, Atlanta, GA, ³Reproductive Biology Associates, Atlanta, GA, ⁴University of Texas Southwestern Medical Center, Dallas, TX, ⁵Emory University School of Medicine, Division of Reproductive Endocrinology and Infertility, Atlanta, GA
- P-412 OUTCOMES OF FROZEN OOCYTE DONOR IN VITRO FERTILIZATION (IVF) CYCLES USING FRESH VERSUS FROZEN SPERM.** Colleen Miller, M.D.¹, Chandra Shenoy, M.D.¹, Yulian Zhao, Ph.D.², Stephanie Duong, M.S.¹ and Matthew Hathcock, M.S.¹, ¹Mayo Clinic, Rochester, MN, ²Department of Obstetrics and Gynecology, Mayo Clinic, Rochester, MN
- P-413 WHAT PATIENT FACTORS AFFECT SUCCESS**

POSTER PRESENTATIONS

IN WOMEN UTILIZING FROZEN DONOR EGGS? A SART DATABASE ANALYSIS

Rhea Chattopadhyay, MD¹, Hasina Momotaz, MS², James H Liu, M.D.¹, Rebecca Flyckt, MD¹ and Rachel S Weinerman, MD¹,
¹University Hospitals Fertility Center/Case Western Reserve University, Beachwood, OH, ²Case Western Reserve University, Cleveland, OH

P-414 PREGNANCY OUTCOMES WITH GESTATIONAL SURROGACY COMPARED TO NON-SURROGACY FOR IN-VITRO FERTILIZATION CONCEPTION.

Melody A Rasouli, MD, MBA¹, Hailey E Roberts, BS² and David N Jackson, MD³, ¹University of Nevada, Las Vegas, Las Vegas, NV, ²Loyola University Chicago, Chicago, IL, ³High Risk Pregnancy Center, Las Vegas, NV

P-415 PROMISING LIVE BIRTH RATES ARE SEEN WITH UNTESTED DONOR EMBRYOS.

Olivia Carpinello, MD¹, B. Mitchell Bodily, MD², Samad Jahandideh, PhD³, Morine Cebert, Ph.D., RN⁴, Joshua C Combs, MD⁵, Micah J Hill, DO⁵, Alan H DeCherney, MD⁶ and Kate Devine, MD³, ¹Program in Reproductive Endocrinology and Gynecology, NICHD, NIH, Bethesda, MD, ²Uniformed Services University, Bethesda, MD, ³Shady Grove Fertility, Washington D.C., DC, ⁴University of Pennsylvania & Philadelphia VA Medical Center, Philadelphia, PA, ⁵Walter Reed National Military Medical Center, Bethesda, MD, ⁶Eunice Kennedy Shriver National Institute of Child Health and Human Development, Bethesda, MD

P-416 DOES ELEVATED PROGESTERONE ON DAY OF TRIGGER ASSOCIATE WITH BLASTOCYST PLOIDY IN EGG DONOR CYCLES?

Priscilla Caldeira, MD¹, Aline R Lorenzon, PhD², Ana Paula Aquino, MD³, Bruna Barros, BSc³, Eduardo LA Motta, MD, PhD⁴ and Thais S Domingues, MD, PhD⁵, ¹School of Medicine - University of São Paulo, Brazil, ²Scientific Coordinator, Huntington Medicina Reprodutiva, Sao Paulo, Brazil, ³Huntington Medicina Reprodutiva, São Paulo, Brazil, ⁴Department of Gynecology, Paulista School of Medicine, Federal University of São Paulo, São Paulo, Brazil, ⁵Huntington Medicina Reprodutiva, Sao Paulo, Brazil

P-417 PREIMPLANTATION GENETIC TESTING FOR

ANEUPLOIDY IN DONOR OOCYTE IVF CYCLES: A MATCHED, SIBLING OOCYTE COHORT STUDY.

Devora Aharon, MD¹, Dmitry Gounko, MA², Joseph A. Lee, BA², Tanmoy Mukherjee, MD¹, Alan B Copperman, MD¹ and Lucky Sekhon, MD²,
¹Icahn School of Medicine at Mount Sinai, New York, NY, ²Reproductive Medicine Associates of New York, New York, NY

P-418 UNDERSTANDING SELF-PERCEPTIONS AND RISK EXPERIENCES OF GESTATIONAL SURROGATE MOTHERS IN GESTATIONAL SURROGACY ARRANGEMENTS, THAILAND.

Jutharat Attawet, PhD candidate, University of Technology Sydney, Sydney, NSW, Australia

P-419 SUBJECTIVE PSYCHOLOGICAL FACTORS ASSOCIATED WITH EGG DONORS UNDERGOING ADDITIONAL DONATIONS AFTER THEIR FIRST OOCYTE DONOR CYCLE.

Diane Tober, PhD¹, Kevin S Richter, PhD², Shannon Kokjohn, MSc³, Christina M Garibaldi, MS⁴, Raquel Cool, BA⁵, Kezia Mostak, MS⁴, Natalia Villegas, BS⁴, Dougie Zubizarreta, BA⁴, Katarina Cook, BS⁴ and Said Daneshmand, MD³, ¹UCSF Institute for Health and Aging, San Francisco, CA, ²Fertility Science Consulting, Silver Spring, MD, ³San Diego Fertility Center, San Diego, CA, ⁴University of California, San Francisco, San Francisco, CA, ⁵We Are Egg Donors, Santa Cruz, CA

P-420 6 YEARS OF DONOR OOCYTE TRANSFERS IN A SINGLE PROGRAM: WHAT HAVE WE LEARNED?

Alexandra Peyser, M.D., Nicole Noyes, MD, Stephanie R. Brownridge, M.D. and Mary Rausch, MD, Northwell Health Fertility, Zucker School of Medicine at Hofstra/Northwell, Manhasset, NY

P-421 A COMPARISON OF THE CHANCE OF A SECOND LIVE DELIVERED PREGNANCY FROM DONATED OOCYTES BEFORE UTILIZING ALL EMBRYOS FORMED ACCORDING TO WHETHER THE SOURCE OF EGGS WERE INFERTILE DONORS OR PAID POTENTIALLY FERTILE DONORS.

Laura X Zalles, MD¹, Jerome H Check, M.D., Ph.D.², Jung Choe, M.D.², Carrie K Wilson, B.A.³ and Donna Summers, M.S.³, ¹Cooper University Hospital, Camden, NJ, ²Cooper Medical School of Rowan University, Camden, NJ, ³Cooper

POSTER PRESENTATIONS

- Institute for Reproductive Hormonal Disorders, P.C., Mt. Laurel, NJ
- P-422 AN IMPROVED METHOD FOR ZIKA VIRUS SCREENING IN A GAMETE BANK SETTING.** Corey Andrew Burke, BSc, CLS¹, Dixie Howell, MHA¹, Julio Cortes, BS², Anne-Bine Skytte, MD¹, Ruth Fernandez, AAS² and Suzy Pixley, BS², ¹Cryos International - USA, Orlando, FL, ²Unilab of Dade, Fort Lauderdale, FL
- P-423 INFANT BIRTH WEIGHT AND MATERNAL BMI: GENETIC VS EPIGENETIC CONTRIBUTIONS.** Pamela B. Parker, M.D., M.P.H., Sacha A. Krieg, M.D., Ph.D., David Lee, MD, Thomas O'Leary, PhD, Diana Wu, MD, Bharti Garg, MBBS, MPH and Paula Amato, MD, Oregon Health & Science University, Portland, OR
- P-424 THE EVOLVING LANDSCAPE OF DONOR EGG TREATMENT: SUCCESS, WOMEN'S CHOICE AND ANONYMITY .** Alexandra Peyser, M.D., Mary Rausch, MD, Stephanie R. Brownridge, M.D. and Nicole Noyes, MD, Northwell Health Fertility, Zucker School of Medicine at Hofstra/Northwell, Manhasset, NY
- P-425 SURVIVAL RATE OF MATURE DEVITRIFIED OOCYTES IN A DONOR PROGRAM.** Arnoldo Gonzalez, M.D.¹ and Julio C. Rosales, M.D.², ¹RESIDENTE SEGUNDO AÑO, MONTERREY, NL, Mexico, ²IECH, Monterrey, NL, Mexico
- P-426 EGG DONOR PERCEPTIONS OF LONG-TERM ADVERSE OUTCOMES.** Diane Tober, PhD¹, Kevin S Richter, PhD², Cristina Garibaldi, MS³, Kezia Mostak, MS³, Natalia Villegas, BS³, Dougie Zubizarreta, BA³, Raquel Cool, BA⁴, Katarina Cook, BS³, Shannon Kokjohn, MSc⁵ and Said Daneshmand, MD⁵, ¹UCSF Institute for Health and Aging, San Francisco, CA, ²Fertility Science Consulting, Silver Spring, MD, ³University of California, San Francisco, San Francisco, CA, ⁴We Are Egg Donors, Santa Cruz, CA, ⁵San Diego Fertility Center, San Diego, CA
- P-427 PRE-TREATMENT PREDICTORS OF EGG DONORS WHO WILL UNDERGO ADDITIONAL OOCYTE DONATIONS AFTER THEIR FIRST.** Diane Tober, PhD¹, Kevin S Richter, PhD², Shannon Kokjohn, MSc³, Natalia Villegas, BS⁴, Dougie Zubizarreta, BA⁴, Cristina Garibaldi, MS⁴, Kezia Mostak, MS⁴, Katarina Cook, BS⁴, Raquel Cool, BA⁵ and Said Daneshmand, MD³, ¹UCSF Institute for Health and Aging, San Francisco, CA, ²Fertility Science Consulting, Silver Spring, MD, ³San Diego Fertility Center, San Diego, CA, ⁴University of California, San Francisco, San Francisco, CA, ⁵We Are Egg Donors, Santa Cruz, CA
- P-428 RECIPIENTS RECEIVING EGGS FROM INFERTILE DONORS SHARING HALF OF THE EGGS COLLECTED HAVE NO LESS CHANCE OF HAVING A LIVE DELIVERY COMPARED TO RECIPIENTS RECEIVING EGGS FROM A PAID DONOR.** Laura X Zalles, MD¹, Jerome H Check, M.D., Ph.D.², Jung Choe, M.D.², Carrie K Wilson, B.A.³ and Donna Summers, M.S.³, ¹Cooper University Hospital, Camden, NJ, ²Cooper Medical School of Rowan University, Camden, NJ, ³Cooper Institute for Reproductive Hormonal Disorders, P.C., Mt. Laurel, NJ
- P-429 BIRTH OUTCOMES AMONG GESTATIONAL SURROGATES ACCORDING TO SURROGATE CHARACTERISTICS: THE INFLUENCE OF SURROGATE AGE AND PARITY.** Said Daneshmand, MD¹, Kevin S Richter, PhD², Danielle Miller, RN, BSN¹, Natasha Sam, BS Candidate¹, Hanna L Mulloy, MA¹ and Shannon Kokjohn, MSc¹, ¹San Diego Fertility Center, San Diego, CA, ²Fertility Science Consulting, Silver Spring, MD

POSTER PRESENTATIONS

Monday, October 19, 2020

POSTER SESSIONS

PD3-01 POSTER SESSION: IVF OUTCOME PREDICTORS

- P-430 ROUTINE ENDOMETRIAL RECEPTIVITY ARRAY IN FIRST EMBRYO TRANSFER CYCLES DOES NOT IMPROVE LIVE BIRTH RATE.** Carrie Riestenberg, MD¹, Lindsay Kroener, MD¹, Kaycee Ching, BA² and Gayane Ambartsumyan, MD, PhD³, ¹University of California, Los Angeles, Los Angeles, CA, ²Wayne State University School of Medicine, Detroit, MI, ³Reproductive Partners Medical Group, Redondo Beach, CA
- P-431 CLINICAL FACTORS ASSOCIATED WITH MONOZYGOTIC TWINNING AFTER SINGLE EMBRYO TRANSFER.** Margeaux Oliva, MD¹, Devora Aharon, MD¹, Joseph A. Lee, BA², Alan B Copperman, MD¹ and Lucky Sekhon, MD², ¹Icahn School of Medicine at Mount Sinai, New York, NY, ²Reproductive Medicine Associates of New York, New York, NY
- P-432 ARTIFICIAL INTELLIGENCE MACHINE LEARNING MODELING TO PREDICT SINGLE EUPLOID BLASTOCYST TRANSFER OUTCOMES.** Mary E Haywood, PhD, William B Schoolcraft, MD and Mandy G Katz-Jaffe, PhD, Colorado Center for Reproductive Medicine, Lone Tree, CO
- P-433 SEX-SPECIFIC EMBRYO CLEAVAGE KINETICS AND PERINATAL OUTCOMES AFTER BLASTOCYST TRANSFERS.** Suneeta Senapati, MD MSCE¹, Dara S. Berger, PhD¹, Charikleia Kalliora, MD, MSc¹, Elizabeth Ruiz, BA, MHS¹, Carmen Sapienza, PhD², Christos Coutifaris, MD, PhD¹ and Monica Mainigi, MD¹, ¹University of Pennsylvania, Philadelphia, PA, ²Temple University, Philadelphia, PA
- P-434 DOES TROPHECTODERM BIOPSY FOR PREIMPLANTATION GENETIC TESTING AFFECT FETAL BIRTH WEIGHT OR RATE OF PRETERM DELIVERY? A SART CORS STUDY.** Papri Sarkar, MD¹, Erika P New, MD, MPH¹, Sangita K Jindal, Ph.D.², Jean Tanner, PhD¹ and Anthony N Imudia, MD¹, ¹University of South Florida, Tampa, FL, ²Albert Einstein College of Medicine / Montefiore Medical Center, Hartsdale, NY
- P-435 ORAL CONTRACEPTIVE PRETREATMENT DOES NOT ALTER LIVE BIRTH RATES IN PGT-A SCREENED FROZEN EMBRYO TRANSFER CYCLES.** Carlos Hernandez-Nieto, MD¹, Joseph A. Lee, BA¹, Tamar Alkon Meadows, MD¹, Deborah Cassis-Bendeck, MD¹, Martha Luna-Rojas, MD¹, Alan B Copperman, MD² and Benjamin Sandler, MD², ¹Reproductive Medicine Associates of New York, New York, NY, ²Icahn School of Medicine at Mount Sinai, New York, NY
- P-436 PERINATAL OUTCOMES IN BABIES BORN FOLLOWING BLASTOCYST VERSUS CLEAVAGE STAGE EMBRYO TRANSFER - A RETROSPECTIVE ANALYSIS OF 113,764 IVF/ICSI CYCLES.** Edwin Amalraj Raja, M Sc., PhD.,¹, Siladitya Bhattacharya, MD., FRCOG¹, Abha Maheshwari, MD, FRCOG² and David J McLernon, PhD¹, ¹University of Aberdeen, Aberdeen, United Kingdom, ²NHS Grampian, Aberdeen, United Kingdom
- P-437 WEIGHING IN ON LIVE BIRTH RATE AFTER A SINGLE EUPLOID TRANSFER.** Jill Karten, M.D.¹, Baruch Abittan, M.D.², Weiwei Shan, MS PhD³, Randi H. Goldman, M.D.² and Christine Mullin, M.D.², ¹Department of OBGYN, North Shore University Hospital/Donald and Barbara Zucker School of Medicine at Hofstra/Northwell, Manhasset, NY, ²Northwell Health Fertility, North Shore University Hospital/Donald and Barbara Zucker School of Medicine at Hofstra/Northwell, Manhasset, NY, ³Northwell Health Department of Biostatistics, New Hyde Park, NY
- P-438 A DROP IN ESTRADIOL LEVELS POST-TRIGGER IN FRESH TRANSFER CYCLES DOES NOT NEGATIVELY IMPACT LIVE BIRTH OUTCOMES.** Pietro Bortoletto, MD¹, Phillip A Romanski, MD¹, Nigel Pereira, MD² and Zev Rosenwaks, M.D.¹, ¹The Ronald O. Perelman and Claudia Cohen Center for Reproductive Medicine, Weill Cornell Medicine, New York, NY, ²Ronald O. Perelman and Claudia Cohen Center for Reproductive Medicine, New York, NY

POSTER PRESENTATIONS

- P-439** **A COMPARATIVE EVALUATION OF NOVEL SUB-ENDOMETRIAL AND INTRAUTERINE PLATELET RICH PLASMA TREATMENT FOR WOMEN WITH RECURRENT IMPLANTATION FAILURE (RIF).** Noushin Abdul Majid, MD, MRCOG, MRCPI, FRM¹, Sankalp Singh, MRCOG², Chaitra Thunga, MS, DNB², Mohamed Ashraf, M.D., D.G.O, DPS¹, Swati Singh, MD, DNB¹, Reema Basheer, MD, FRM¹, Raiza Ashraf, MBBS, MSC¹ and Kannamannadiar Jayaprakasan, Ph.D.³, ¹INDIA, thrissur, India, ²craft hospital, kodungallur, India, ³Department of Obstetrics and Gynaecology, Derby, United Kingdom
- P-440** **SEARCHING FOR THE OPTIMAL NUMBER OF OOCYTES TO REACH A LIFE BIRTH AFTER IN VITRO FERTILIZATION: A SYSTEMATIC REVIEW WITH META-ANALYSIS.** Nathalie Sermondade, M.D., Ph.D.¹, Charlotte Sonigo, M.D., Ph.D.², Naouel Ahdad-Yata, M.D.³, Maud Pasquier, M.D.⁴, Eloise Fraison, M.D.⁵ and Michael Grynberg, M.D., Ph.D.⁶, ¹HOPITAL TENON, PARIS, France, ²HOPITAL ANTOINE BECLERE, CLAMART, France, ³HOPITAL DE MEAUX, MEAUX, France, ⁴CENTRE HOSPITALIER INTERCOMMUNAL DE CRETEIL, CRETEIL, France, ⁵HOSPICES CIVILS DE LYON, BRON, France, ⁶Hopital Antoine Beclere, Clamart, France
- P-441** **THE PREDICTIVE VALUE OF ESTRADIOL LEVEL IN EUPLOID NATURAL CYCLE FROZEN EMBRYO TRANSFER PREGNANCY OUTCOMES.** Brindha Bavan, MD¹, Jasmyn K Johal, MD, MS², Wendy Y Zhang, BS³, Matthew J Sahagun, BS, MA⁴, Amin A Milki, MD¹ and Anna Sokalska, MD, PhD¹, ¹Stanford Fertility and Reproductive Medicine Center, Sunnyvale, CA, ²Stanford University, Dept of Obstetrics & Gynecology, Stanford, CA, ³Stanford University School of Medicine, Stanford, CA, ⁴California State University East Bay, Dept of Statistics & Biostatistics, Hayward, CA
- P-442** **MINIMAL STIMULATION USING GONADOTROPIN-RELEASING HORMONE ANTAGONIST IS ASSOCIATED WITH HIGHER LIVE BIRTH RATES: A NATIONAL STUDY OF 13,050 CYCLES.** Emily G. Hurley, MD¹, Fangbai Sun, MPH², Heping Zhang, PhD², Alex J Polotsky, M.D., M.S.³ and Julie Sroga Rios, MD¹, ¹University of Cincinnati, West Chester, OH, ²Yale University School of Public Health, New Haven, CT, ³University of Colorado Anschutz Medical Campus, Aurora, CO
- P-443** **SIMILAR OVARIAN RESPONSE WITH INDIVIDUALIZED FOLLITROPIN DELTA DOSING REGIMEN IN JAPANESE AND NON-JAPANESE IVF/ICSI PATIENTS.** Osamu Ishihara, MD, PhD¹, Anders Nyboe Andersen, MD, PhD², Scott M Nelson, MD, PhD³ and Joan-Carles Arce, MD, PhD⁴, ¹Saitama Medical University, Saitama, Japan, ²Rigshospitalet, Copenhagen, Denmark, ³University of Glasgow, Glasgow, United Kingdom, ⁴Ferring Pharmaceuticals, Copenhagen, Denmark
- P-444** **PREGNANCY OUTCOMES IN LETROZOLE OVULATION INDUCTION FROZEN-THAWED EMBRYO TRANSFER CYCLES AS COMPARED TO NATURAL AND PROGRAMMED CYCLES.** Prachi N Godiwala, MD, Reeva B Makhijani, MD, Chantal Bartels, MD, Alison Bartolucci, PhD, Daniel R Grow, MD, John Nulsen, MD, Claudio A Benadiva, MD and Lawrence Engmann, MD, Center for Advanced Reproductive Services, University of Connecticut School of Medicine, Farmington, CT
- P-445** **THE ASSOCIATION OF ENDOMETRIAL THICKNESS AND ENDOMETRIAL TYPE WITH IVF OUTCOMES IN A SHARED OOCYTE DONOR-RECIPIENT MODEL.** Devora Aharon, MD¹, Guillaume Stoffels, MA¹, Dmitry Gounko, MA², Jessica Overbey, DrPH¹, Joseph A. Lee, BA², Alan B Copperman, MD¹ and Erkan Buyuk, MD¹, ¹Icahn School of Medicine at Mount Sinai, New York, NY, ²Reproductive Medicine Associates of New York, New York, NY
- P-446** **CHANGE IN PROGESTERONE LEVEL DURING IVF STIMULATION PREDICTS LIVE BIRTH RATE FOLLOWING FRESH EMBRYO TRANSFER.** Serin I Seckin, MD¹, Dawn A Kelk, PhD, HCLD², Victoria G Wesevich, MD³, Amanda Nicole Kallen, MD³ and Pinar H Kodaman, MD/PhD³, ¹Icahn School of Medicine at Mount Sinai West/St. Luke's, New York, NY, ²Yale University, Orange, CT, ³Yale School of Medicine, New Haven, CT
- P-447** **IMPACT OF IN VITRO FERTILIZATION AND PREIMPLANTATION GENETIC TESTING ON THE SEX RATIO IN THE UNITED STATES.** Kathryn L Shaia, MD, MHA¹, Tracy Truong, MS²,

POSTER PRESENTATIONS

- Carl F. Pieper, DrPH² and Anne Z Steiner, MD, MPH³, ¹Division of Reproductive Endocrinology and Infertility, Duke University Medical Center, Durham, NC, ²Department of Biostatistics & Bioinformatics, Duke University Medical Center, Durham, NC, ³Duke University, Durham, NC
- P-448** **EVALUATING THE ABILITY OF AN OOCYTE TO REPAIR FRAGMENTED SPERM CHROMATIN.** Derek Keating, B.A., Alessandra Parrella, M.Sc., Zev Rosenwaks, M.D. and Gianpiero D. Palermo, M.D., Ph.D., The Ronald O. Perelman and Claudia Cohen Center for Reproductive Medicine, Weill Cornell Medicine, New York, NY
- P-449** **RATIO OF HUMAN MENOPAUSAL GONADOTROPIN (HMG) TO RECOMBINANT FOLLICLE STIMULATING HORMONE (RFSH) DOSAGE PREDICTS PREMATURE PROGESTERONE ELEVATION AND LIVE BIRTH RATE IN FRESH IVF CYCLES.** Victoria G Wesevich, MD¹, Dawn A Kelk, PhD, HCLD², Serin I Seckin, MD³, Pinar H Kodaman, MD/PhD¹ and Amanda Nicole Kallen, MD¹, ¹Yale School of Medicine, New Haven, CT, ²Yale University, Orange, CT, ³Icahn School of Medicine at Mount Sinai West/St. Luke's, New York, NY
- P-450** **SYSTEMIC CATEGORIZATION OF OOCYTE GRANULATION PATTERNS AND THEIR PREDICTIVE VALUE FOR IVF OUTCOMES.** Jianjun Hu, MD¹, Lin Zhang, MD¹, David F Albertini, PhD, MS¹, Emanuela Molinari, PhD¹, David H Barad, MD, MS¹ and Norbert Gleicher, MD², ¹Center for Human Reproduction, New York, NY, ²Center for Human Reproduction, Foundation for Reproductive Medicine, Rockefeller University, Medical University Vienna, New York, NY
- P-451** **GnRH ANTAGONIST-INDUCED HYPOTHALAMIC SUPPRESSION AS A PREDICTOR OF SUBOPTIMAL RESPONSE TO GnRH AGONIST TRIGGER.** Christine Yang, MD¹, Phillip A Romanski, MD², Pietro Bortoletto, MD², David Reichman, MD² and Zev Rosenwaks, M.D.², ¹Weill Cornell Medicine, New York City, NY, ²The Ronald O. Perelman and Claudia Cohen Center for Reproductive Medicine, Weill Cornell Medicine, New York, NY
- P-452** **USE OF PROPENSITY SCORE MATCHING TO ASSESS THE ENDOMETRIAL RECEPTIVITY ASSAY (ERA) IN OPTIMIZING EMBRYO TRANSFER OUTCOMES.** Keri Bergin, MD¹, Yael Eliner, MD, MPH Candidate², Denis A. Vaughan, MD³, Denny Sakkas, PhD³, Daniel W. Duvall Jr., BA³, Sonia Elguero, MD⁴ and Alan S Penzias, M.D.⁵, ¹Albany Medical Center, Albany, NY, ²MPH Candidate, Boston, MA, ³Boston IVF, Waltham, MA, ⁴Boston IVF, Loudonville, NY, ⁵Beth Israel Deaconess Medical Center/Harvard Medical School, Boston, MA
- P-453** **THE EFFECT OF ENDOMETRIAL THICKNESS ON LIVE BIRTH OUTCOMES IN WOMEN UNDERGOING HORMONE REPLACED FROZEN EMBRYO TRANSFER (HR-FET).** Rachel A Martel, BA¹, Jennifer K Blakemore, MD² and James A Grifo, MD, PhD³, ¹NYU Grossman School of Medicine, Manhattan, NY, ²NYU Langone Prelude Fertility Center, New York, NY, ³NYU Langone School of Medicine, New York, NY
- P-454** **LOW EUPLOIDY RATE DOES NOT AFFECT CLINICAL OUTCOMES IN IVF PGT CYCLES WITH SINGLE EMBRYO TRANSFER (SET) - A 2391 SETS REVIEW.** Oleksii O. Barash, Ph.D., Kristen Ivani, Ph.D., H.C.L.D., Deborah Wachs, MD and Louis N. Weckstein, MD, Reproductive Science Center of the San Francisco Bay Area, San Ramon, CA
- P-455** **THE PRESENCE OF CESAREAN SECTION SCAR DIVERTICULUM IS DETRIMENTAL TO THE REPRODUCTIVE OUTCOME OF FRESH AND FROZEN EMBRYO TRANSFER AFTER IN VITRO FERTILIZATION/INTRACYTOPLASMIC SPERM INJECTION.** Ling Huang, MD¹, Sunxing Huang, MD¹, Yubin Li, Professor¹, Minghui Chen, Professor¹, Lingli Long, MD² and Canquan Zhou, Professor¹, ¹Reproductive Medicine Center, The First Affiliated Hospital, Sun Yat-sen University, Guangzhou, China, ²Translation Medicine Center, The First Affiliated Hospital of Sun Yat-sen University
- P-456** **THE DEGREE OF BLASTOCYST EXPANSION POST-WARMING STRONGLY PREDICTS CLINICAL OUTCOMES IN SINGLE FROZEN EMBRYO TRANSFER CYCLES (SFET).** Ahmad Morsi Abu Maizar, M.Sc¹, Diane Wright,

POSTER PRESENTATIONS

- PhD², Richard Marrs, MD¹, Guy E Ringler, MD¹, Kelly J Baek, MD¹, Karine Chung, MD¹ and Matthew David VerMilyea, PhD³, ¹California Fertility Partners, Los Angeles, CA, ²Ovation Fertility, Houston, TX, ³Ovation Fertility, San Antonio, TX
- P-457 EAST ASIAN WOMEN EXPERIENCE LOWER RATES OF LIVE BIRTH THAN CAUCASIAN WOMEN AFTER SINGLE FRESH BLASTOCYST TRANSFER BUT HAVE SIMILAR OUTCOMES AFTER FROZEN TRANSFER.** Anne E Martini, DO¹, Samantha Kodama, MD, MPH², Tommy Na, BS, BA³, Samad Jahandideh, PhD⁴, Micah J Hill, DO⁵, Alan H DeCherney, MD¹, Kate Devine, MD⁴ and Frank E Chang, MD⁴, ¹National Institute of Child Health and Human Development, NIH, Bethesda, MD, ²Medstar Washington Hospital Center/Georgetown University Hospital, Washington, DC, ³University of Richmond, Richmond, VA, ⁴Shady Grove Fertility Center, Rockville, MD, ⁵Walter Reed National Military Medical Center, Bethesda, MD
- P-458 SIMILAR DOSE-RESPONSE PROFILES FOR FOLLITROPIN DELTA IN JAPANESE AND NON-JAPANESE IVF/ICSI PATIENTS.** Osamu Ishihara, MD, PhD¹ and Joan-Carles Arce, MD, PhD², ¹Saitama Medical University, Saitama, Japan, ²Ferring Pharmaceuticals, Copenhagen, Denmark
- P-459 DOES CRYOPRESERVATION AFFECT THE IMPLANTATION POTENTIAL OF BLASTOCYSTS DERIVED FROM VITRIFIED/WARMED OOCYTES?** Hadi Ramadan, M.D.¹, Tarita Pakrashi, MD, MPH¹, Andrea Ries Thurman, MD¹, Kimball O. Pomeroy, Ph.D.² and Gerard Celia Jr., PhD³, ¹Eastern Virginia Medical School, Norfolk, VA, ²The World Egg Bank, Phoenix, AZ, ³EVMS, Norfolk, VA
- P-460 USING SPERM DOUBLE-STRANDED DNA TO PREDICT EMBRYO PLOIDY.** Derek Keating, B.A., Alessandra Parrella, M.Sc., Zev Rosenwaks, M.D. and Gianpiero D. Palermo, M.D., Ph.D., The Ronald O. Perleman and Claudia Cohen Center for Reproductive Medicine, Weill Cornell Medicine, New York, NY
- P-461 CLINICAL PARAMETERS AND PREDICTORS OF MONOZYGOTIC TWINS (MZT) AFTER SINGLE FROZEN EMBRYO TRANSFER (FET).** Amelia G Kelly, MD, Jennifer K Blakemore, MD, Caroline McCaffrey, PhD and James A Grifo, MD, PhD, NYU Langone School of Medicine, New York, NY
- P-462 DISPARITIES IN ART LIVE-BIRTH OUTCOMES FOR HISPANIC AND ASIAN WOMEN COMPARED TO WHITE NON-HISPANIC WOMEN.** Alexander Kotlyar, MD¹, Burcin Simsek, Ph.D.² and David B. Seifer, MD³, ¹Yale School of Medicine, Orange, CT, ²University of Pittsburgh, Pittsburgh, PA, ³Yale University, Orange, CT
- P-463 ENDOMETRIAL BCL6 EXPRESSION IS NOT ASSOCIATED WITH IMPLANTATION OUTCOMES.** Amber M Klimczak, MD¹, Nola S Herlihy, MD¹, Cynthia S Scott, -², Brent M Hanson, MD³, Julia G Kim, MD, MPH³, Ashley W Tiegs, MD³, Emily K Osman, MD³, Shiny Titus, PhD², Emre Seli, M.D.³ and Richard Thomas Scott Jr., MD³, ¹IVI-RMA New Jersey, Basking Ridge, NJ, ²Foundation for Embryonic Competence, Basking Ridge, NJ, ³IVI RMA New Jersey, Basking Ridge, NJ
- P-464 DICHORIONIC TWINS WITH PREECLAMPSIA CONCEIVED VIA ASSISTED REPRODUCTIVE TECHNOLOGY DO NOT YIELD HIGHER RATE OF FETAL GROWTH RESTRICTION.** Evelina Manvelyan, MD¹, Baruch Abittan, M.D.², Matthew Blitz, MD³ and Randi H. Goldman, M.D.², ¹Northwell Health at Southside Hospital, Bay Shore, NY, ²Northwell Health Fertility, North Shore University Hospital/Donald and Barbara Zucker School of Medicine at Hofstra/Northwell, Manhasset, NY, ³Northwell Health Fertility, Zucker School of Medicine at Hofstra/Northwell, Manhasset, NY
- P-465 INCREASING MICROBIAL DIVERSITY AND LACTOBACILLUS DOMINANCE OF GENITOURINARY, GASTROINTESTINAL, AND REPRODUCTIVE TRACTS DO NOT ASSOCIATE WITH REPRODUCTIVE OUTCOMES AFTER EUPLOID SINGLE EMBRYO TRANSFER.** Nola S Herlihy, MD¹, Xin Tao, Ph.D.², Yiping Zhan, Ph.D.², Chaim Jalas, N/A², Amber M Klimczak, MD³, Brent M Hanson, MD³, Julia G Kim, MD, MPH³, Emily K Osman, MD³, Ashley W Tiegs, MD³, Emre Seli, MD³, Richard Thomas Scott Jr., MD³ and Jason M Franasiak, MD³, ¹IVI-RMA New Jersey, Basking Ridge, NJ, ²Foundation for Embryonic Competence, Basking Ridge, NJ, ³IVI RMA New Jersey, Basking Ridge, NJ

POSTER PRESENTATIONS

- P-466** **PROGESTERONE LEVEL ON THE DAY OF TRIGGER AND FRESH EMBRYO TRANSFER.** Mohamad Irani, MD¹, Brandon Maddy, MD², Simone C Elder, MD³, Fabiana Kreines, MD⁴, Vinay Gunnala, MD⁵, Daylon James, PhD⁶, David Reichman, MD⁶ and Zev Rosenwaks, M.D.⁶, ¹Advanced Fertility Center of Chicago, Chicago, IL, ²Mayo Clinic, College of Medicine and Science, Rochester, MN, ³New York Presbyterian/Weill Cornell Medicine, New York, NY, ⁴New York University, New York, NY, ⁵Southwest Fertility Center, Phoenix, AZ, ⁶The Ronald O. Perelman and Claudia Cohen Center for Reproductive Medicine, Weill Cornell Medicine, New York, NY
- P-467** **DOES TROPHECTODERM BIOPSY NEGATIVELY IMPACT OBSTETRIC OUTCOMES IN WOMEN <35 YEARS OF AGE?** Ruth Moges, MS¹, Pietro Bortoletto, MD², Phillip A Romanski, MD² and Glenn Schattman, MD¹, ¹Weill Cornell Medicine, New York, NY, ²The Ronald O. Perelman and Claudia Cohen Center for Reproductive Medicine, Weill Cornell Medicine, New York, NY
- P-468** **PREDICTING SUCCESSFUL CONVENTIONAL IN VITRO FERTILIZATION WITH A MACHINE LEARNING APPROACH BASED ON MARKERS OF CAPACITATION.** Stephanie Gunderson, MD¹, Nicholas C Spies, MD², Lis C Puga Molina, PhD², Emily S Jungheim, MD, MScI³, Joan Riley, PhD, HCLD⁴ and Celia M Santi, PhD MD², ¹Washington University, St Louis, MO, ²Washington University In Saint Louis, Saint Louis, MO, ³Northwestern Feinberg School of Medicine, Chicago, IL, ⁴Washington University School of Medicine, St. Louis, MO
- P-469** **GESTATIONAL CARRIER PREGNANCY OUTCOMES FROM FROZEN EMBRYO TRANSFER (FET), DEPENDING ON THE NUMBER OF EMBRYOS TRANSFERRED AND PRE-IMPLANTATION GENETIC TESTING: A RETROSPECTIVE ANALYSIS.** Amalia Namath, M.D.¹, Samad Jahandideh, PhD², Kate Devine, MD² and Jeanne E O'Brien, MD, MSc³, ¹Georgetown University School of Medicine, Washington, DC, ²Shady Grove Fertility, Washington D.C., DC, ³Shady Grove Fertility Center, Rockville, MD
- P-470** **THE USE OF COMBINED HORMONAL CONTRACEPTIVE FOR IN-VITRO FERTILIZATION CYCLE PRIMING IS NOT ASSOCIATED WITH DECREASED PREGNANCY RATE IN FROZEN EMBRYO TRANSFER CYCLES.** Kristy Cho, MD, FRCSC¹, Chen Jing, MSc² and Niamh Tallon, MB BCh BAO, FRCSC³, ¹Division of Reproductive Endocrinology and Infertility, University of British Columbia, Vancouver, BC, Canada, ²Biostatistic, Olive Fertility Centre, Vancouver, BC, Canada, ³Division of reproductive endocrinology and infertility, University of British Columbia, Vancouver, BC, Canada
- P-471** **THE TRANSFER OF EUPLOID COMPLETELY HATCHED BLASTOCYSTS IS ASSOCIATED WITH POORER CLINICAL OUTCOMES.** Carlos A Guerrero, Ph.D., Jennifer A Rodriguez, B.Sc., Daniel Skora, M.D., Rebecca A Chilvers, M.D., Satin S Patel, M.D. and Jerald S Goldstein, M.D., Fertility Specialists of Texas, Frisco, TX
- P-472** **IS THERE A CRITICAL ENDOMETRIAL LINING THICKNESS FOR SUCCESSFUL IMPLANTATION IN A PROGRAMMED CYCLE?** Michael Saad-Naguib, MD¹, Douglas Timmons, MD, MPH², Leila R Grass, BS³, Jose A Carugno, MD², Marcelo J Barrionuevo, MD³, Steven J Ory, MD³ and Kathleen A Miller, DHSc³, ¹University of Miami Miller School of Medicine, Miami, FL, ²University of Miami, Miami, FL, ³IVF Florida Reproductive Associates, Margate, FL
- P-473** **OVERCOMPENSATING? THE USE OF ICSI FOR NON-MALE FACTOR INFERTILITY DOES NOT IMPROVE LIVE BIRTH RATE IN A MATCHED PATIENT POPULATION.** Tanya L Glenn, MD¹, Dawn A Kelk, PhD, HCLD¹, Michael Winger, PhD² and David B. Seifer, MD¹, ¹Yale University, Orange, CT, ²Yale School of Public Health, West Haven, CT
- P-474** **OVARIAN RESERVE, RESPONSE, BLASTOCYST DEVELOPMENT AND PREGNANCY RATES IN OPERATED AND NON-OPERATED ENDOMETRIOMA CASES: A COMPARISON WITH AGE MATCHED UEI CASES.** Beril Yuksel, Assoc. Prof. MD and Semra Kahraman, Prof. MD, Istanbul Memorial Sisli Hospital, Istanbul, Turkey

POSTER PRESENTATIONS

- P-475** **IVF OUTCOMES AFTER BARIATRIC SURGERY.** Katherine M. Baker, MD¹, Laura E Dodge, Sc.D., M.P.H.² and Kim L Thornton, MD³, ¹Beth Israel Deaconess Medical Center, Boston, MA, ²Beth Israel Deaconess Medical Center/Harvard Medical School, Boston, MA, ³Boston IVF, Waltham, MA
- P-476** **MITOCHONDRIAL DNA COPY NUMBER OF CUMULUS CELLS IS NOT LINKED TO EMBRYO IMPLANTATION IN GOOD PROGNOSIS IVF PATIENTS.** Weiwei Liu, MD, Chongqing, China
- P-477** **FOLLICLE FLUSHING DOES NOT IMPROVE LIVE BIRTH AND REDUCES OOCYTE YIELD: A SYSTEMATIC REVIEW AND META-ANALYSIS OF RANDOMIZED CONTROLLED TRIALS (RCTs).** Anne E Martini, DO¹, Ariel Dunn, MD², Lauren Wells, BS³, Nanette Rollene, MD², Rhiana D. Saunders, MD², Mae W Healy, DO², Nancy Terry, BS, MLS⁴, Alan H DeCherney, MD¹ and Micah J Hill, DO², ¹National Institute of Child Health and Human Development, NIH, Bethesda, MD, ²Walter Reed National Military Medical Center, Bethesda, MD, ³Uniformed Services University of the Health Sciences, Bethesda, MD, ⁴National Institutes of Health Library, Bethesda, MD
- P-478** **THE ASSOCIATION BETWEEN TYPE OF PROGESTERONE SUPPLEMENTATION AND MISCARRIAGE RISK IN WOMEN WITH A POSITIVE PREGNANCY TEST FOLLOWING EMBRYO TRANSFER: A RETROSPECTIVE COHORT STUDY.** Talya Shaulov, MD, MSc¹, Nadège Zanré, MSc², Simon Phillips, PhD¹ and Louise Lapensée, MD¹, ¹Ovo Clinic, Montréal, QC, Canada, ²University of Montreal, Montreal, QC, Canada
- P-479** **THE EFFECT OF ANTIBIOTIC ADMINISTRATION ON NATURAL CYCLE FROZEN EMBRYO TRANSFERS.** Jasmyn K Johal, MD, MS¹, Isabel Beshar, MPhil¹, Brindha Bavan, MD² and Amin A Milki, MD², ¹Stanford University, Dept of Obstetrics & Gynecology, Stanford, CA, ²Stanford Medicine Fertility and Reproductive Health Services, Sunnyvale, CA
- P-480** **REPEATED IMPLANTATION FAILURE AND WINDOW OF IMPLANTATION TESTING: A WINNING DUET TO IMPROVE LIVE BIRTH RATE.** Frida Entezami, MD¹, Delphine Haouzi, PhD², Alice Ferrieres-Hoa, MD², Sophie Brouillet, PharmD, PhD³, Claire Vincens, MD⁴, Sophie Bringer-Deutsch, MD⁴, Emmanuelle Vintejeux, MD³ and Samir Hamamah, MD, PhD³, ¹American Hospital of Paris, Neuilly-sur-Seine, France, ²Inserm U1203, CHU Montpellier, St-Eloi Hospital, Montpellier, France, ³Arnaud de Villeneuve Hospital, CHU Montpellier, Montpellier, France, ⁴ART-PGD department, Arnaud de Villeneuve Hospital, CHU Montpellier, Montpellier, France
- P-481** **IDENTIFYING THE GAMETE RESPONSIBLE FOR ICSI FERTILIZATION FAILURE.** Stephanie Cheung, B.S., Philip Xie, B.S., Alessandra Parrella, M.Sc., Derek Keating, B.A., Zev Rosenwaks, M.D. and Gianpiero D. Palermo, M.D., Ph.D., The Ronald O. Perelman and Claudia Cohen Center for Reproductive Medicine, Weill Cornell Medicine, New York, NY
- P-482** **THE EFFECT OF THE ORAL OXYTOCIN ANTAGONIST, NOLASIBAN, ON PREGNANCY RATES IN WOMEN UNDERGOING EMBRYO TRANSFER FOLLOWING IVF.** Georg Griesinger, MD, PhD¹, Jacques Donnez, PhD, MD², Andrew Humberstone, PhD³, Paul Terrill, PhD⁴, Oliver Pohl, DVM, MPH, MSc⁵, Elizabeth Garner, MD, MPH⁶ and Ernest Loumaye, MD, PhD³, ¹University Hospital Schleswig-Holstein, Lübeck, Germany, ²Catholic University of Louvain, Brussels, Belgium, ³ObsEva SA, Plan-les-Ouates, Switzerland, ⁴Cytel Inc, London, United Kingdom, ⁵ObsEva, Plan-les-Ouates, Switzerland, ⁶ObsEva Inc, Boston, MA
- P-483** **ASSOCIATION BETWEEN ESTRADIOL LEVELS AND OBSTETRIC OUTCOMES IN LETROZOLE-STIMULATED FROZEN EMBRYO TRANSFER CYCLES.** Wendy Y Zhang, BS¹, Maya K Ramachandran, BS¹, Gayathree Murugappan, MD², Lusine Aghajanova, MD PhD² and Ruth Bunker Lathi, MD², ¹Stanford University School of Medicine, Stanford, CA, ²Stanford University, Stanford, CA
- P-484** **ENDOMETRIAL COMPACTION DOES NOT PREDICT ONGOING PREGNANCY RATE IN PROGRAMMED SINGLE EUPLOID EMBRYO TRANSFER CYCLES.** Carrie Riestenberg, MD¹, Molly M Quinn, MD¹, Alin Lina Akopians, MD, PhD², Hal Danzer, MD², Mark Surrey, MD², Shahin Ghadir, MD² and Lindsay Kroener, MD¹, ¹University of California, Los Angeles,

POSTER PRESENTATIONS

Los Angeles, CA, ²Southern California
Reproductive Center, Beverly Hills, CA

- P-485** **PREGNANCY AND BIRTH OUTCOMES ASSOCIATED WITH MATERNAL AGE AND EUPLOID EMBRYO GRADE AFTER NATURAL CYCLE FROZEN TRANSFER.** Wendy Y Zhang, BS¹, Jasmyn K Johal, MD, MS², Brindha Bavan, MD³ and Amin A Milki, MD⁴, ¹Stanford University School of Medicine, Stanford, CA, ²Stanford University, Dept of Obstetrics & Gynecology, Stanford, CA, ³Stanford Fertility and Reproductive Medicine Center, Sunnyvale, CA, ⁴Stanford Medicine Fertility and Reproductive Health Services, Sunnyvale, CA
- P-486** **LIVE BIRTH RATE AND ORAL CONTRACEPTIVES PRETREATMENT IN IVF CYCLES: WHO TO CONSIDER FOR A FRESH EMBRYO TRANSFER?** Yao Lu, M.D.¹, Steven R. Lindheim, M.D.² and Yun Sun, M.D.¹, ¹Center for Reproductive Medicine, Ren Ji Hospital, School of Medicine, Shanghai Jiao Tong University, Shanghai, China, ²Wright State University, Dayton, OH
- P-487** **FACTORS ASSOCIATED WITH IMPLANTATION OF EMBRYOS NOT ABLE TO BE BIOPSIED UNTIL DAY 7.** Devora Aharon, MD¹, Carlos Hernandez-Nieto, MD², Joseph A. Lee, BA², Eric Flisser, MD², Alan B Copperman, MD¹ and Lucky Sekhon, MD², ¹Icahn School of Medicine at Mount Sinai, New York, NY, ²Reproductive Medicine Associates of New York, New York, NY
- P-488** **DETERMINING THE OPTIMAL FOLLICLE SIZE AT TRIGGER IN PATIENTS UNDERGOING OVARIAN STIMULATION WITH A CLOMIPHENE CITRATE PLUS GONADOTROPIN ANTAGONIST PROTOCOL FOR IN VITRO FERTILIZATION.** Nirali J Shah, MD¹, Phillip A Romanski, MD², Pietro Bortoletto, MD², Zev Rosenwaks, M.D.² and Isaac Kligman, M.D.², ¹Weill Cornell Medicine, New York, NY, ²The Ronald O. Perleman and Claudia Cohen Center for Reproductive Medicine, Weill Cornell Medicine, New York, NY
- P-489** **A SINGLE-CENTER RCT DATA ANALYSIS OF UROFOLLITROPIN PRECONDITIONING TO IMPROVE THE EFFICACY OF ICSI TREATMENT IN MEN WITH MODERATE TO SEVERE OLIGOSPERMIA AND ASTHENOSPERMIA.** Tingting Li, Doctor, Reproductive Medicine Research Center, Sixth Affiliated Hospital of Sun Yat-sen University, Guangzhou, China
- P-490** **OVARIAN STIMULATION WITH ORAL MEDICATIONS IN THE LUTEAL PHASE CAN PRODUCE BLASTOCYSTS IN WOMEN WITH SEVERE DIMINISHED OVARIAN RESERVE.** Lana Lipkin, M.D.¹, Zaher Merhi, MD, HCLD¹, Meir Olcha, MD², Bingyang Hu, MSBA² and John Zhang, MD, PhD¹, ¹SUNY Downstate University and New Hope Fertility Center, New York, NY, ²New Hope Fertility Center, New York, NY
- P-491** **DOWN REGULATION WITH LUTEAL GONADATROPIN-RELEASING HORMONE AGONIST THERAPY IN EUPLOID EMBRYO TRANSFERS DOES NOT IMPACT PREGNANCY RATES.** Keri Bergin, MD¹, Isabelle Kate Levin, BA², Dmitry Gounko, MA³, Joseph A. Lee, BA³, Beth McAvey, MD⁴, Alan B Copperman, MD⁴ and Tanmoy Mukherjee, MD⁴, ¹Albany Medical Center, Albany, NY, ²Sidney Kimmel Medical College at Thomas Jefferson University, Philadelphia, NY, ³Reproductive Medicine Associates of New York, New York, NY, ⁴Icahn School of Medicine at Mount Sinai, New York, NY
- P-492** **DO DIFFERENT LH LEVELS ON GnRH ANALOG TRIGGER DAY AFFECT THE NUMBER OF CRYOPRESERVABLE BLASTOCYSTS?** Yucel Sahin, MD and Semra Kahraman, Prof. MD, Istanbul Memorial Hospital, Istanbul, Turkey
- P-493** **FROZEN-THAWED EMBRYO TRANSFERS ARE ASSOCIATED WITH A HIGHER RISK OF LARGE FOR GESTATIONAL AGE NEWBORNS.** Magdalena Decia, MD¹, Dana Kimelman, MD MS-RSM¹, Lucia Goyeneche, BC², Jimena Alciaturi, MSc.¹ and Gabriel A De la Fuente, MD¹, ¹Centro de Esterilidad Montevideo, Montevideo, Uruguay, ²Embryologist, Montevideo, Uruguay
- P-494** **OOCYTE MATURITY AS A PREDICTOR OF IVF OUTCOME.** Michelle L Krohn, D.O.¹, Amy E Sparks, PhD² and Bradley J Van Voorhis, MD³, ¹Monument Health, Spearfish, SD, ²University of Iowa Center for Advanced Reproductive Care, Iowa City, IA, ³University of Iowa, Iowa City, IA

POSTER PRESENTATIONS

- P-495 EVALUATION OF DUAL TRIGGER EFFICACY FOR FINAL OOCYTE MATURATION IN HIGH COMPLEXITY ASSISTED REPRODUCTION TECHNIQUES: A SYSTEMATIC REVIEW AND META-ANALYSIS.** Luciana Carvalho Delamuta, MD, Alexandre LS Lobel, MD, PhD, Pedro AA Monteleone, MD, PhD, Jose Maria Soares Jr., MD, PhD and Edmund Chada Baracat, MD, PhD, University of São Paulo, São Paulo, Brazil
- P-496 THE IMPACT OF DOUBLE-STRANDED SPERM DNA BREAKS ON ICSI OUTCOME.** Derek Keating, B.A., Alessandra Parrella, M.Sc., Zev Rosenwaks, M.D. and Gianpiero D. Palermo, M.D., Ph.D., The Ronald O. Perelman and Claudia Cohen Center for Reproductive Medicine, Weill Cornell Medicine, New York, NY
- P-497 PREDICTORS OF EMBRYO ANEUPLOIDY AND MOSAICISM: INSEMINATION METHOD, SPERM AND PATIENT CHARACTERISTICS.** Gabriela M Grant, MSc¹, Jessica R Walter, MD¹, Helena I Russell, MSc² and Dara S. Berger, PhD¹, ¹University of Pennsylvania, Division of Reproductive Endocrinology and Infertility, Philadelphia, PA, ²Eastern Virginia Medical School, Norfolk, VA
- P-498 MICROFLUIDIC SPERM SELECTION IS AN EFFECTIVE METHOD FOR IMPROVING EMBRYO DEVELOPMENTAL COMPETENCE IN IVF WITH OLDER PATIENTS.** Rie Matsunaga, M.A., Kana Isobe, B.A., Megumi Miura, M.A., Yuki Kobayashi, B.A., Minako Kamihata, B.A., Hiroshi Makino, Ph.D., Kurumi Iwaki, Ph.D., Tomoko Maeda, Ph.D., Toshitaka Horiuchi, Ph.D. and Masanori Ochi, Ph.D., OCHI YUME CLINIC NAGOYA, Nagoya, Japan
- P-499 NEONATAL AND MATERNAL OUTCOMES IN SINGLETON LIVE BIRTHS (LB) FOLLOWING SINGLE EUPLOID FROZEN EMBRYO TRANSFER (FET): DOES TRANSFER PROTOCOL MATTER?** Hilary S Friedlander, MD¹, Paxton E Voigt, BA¹, Jennifer K Blakemore, MD² and James A Grifo, MD, PhD², ¹NYU Langone School of Medicine, New York, NY, ²NYU Langone Prelude Fertility Center, New York, NY
- P-500 CAN ERA BIOPSY RESULTS BE PREDICTED BY FET CYCLE PARAMETERS?** Barry E Perlman, DO¹, Alexander Vlahos, MD², Weiyi Xia, MS³, Sara S. Morelli, MD, PhD², Jacquelyn Loughlin, MD⁴ and Peter G Mcgovern, MD⁵, ¹Rutgers University, Newark, NJ, ²Rutgers New Jersey Medical School, Newark, NJ, ³Rutgers School of Public Health, Piscataway, NJ, ⁴Rutgers New Jersey Medical School, Newark, New Jersey, NJ, ⁵University Reproductive Associates, NJ, Hasbrouck Heights, NJ
- P-501 ELEVATED AMH NOT ASSOCIATED WITH PRETERM DELIVERY IN IVF PREGNANCIES.** Michael K. Simoni, MD¹, Ashni Nadgouda, B.S.², Nathanael C Koelper, MPH³ and Anuja Dokras, M.D., Ph.D.⁴, ¹University of Pennsylvania, Philadelphia, PA, ²Drexel University College of Medicine, Philadelphia, PA, ³University of Pennsylvania, Philadelphia, PA, ⁴University of Pennsylvania Perelman School of Medicine, Philadelphia, PA
- P-502 REPRODUCTIVE OUTCOMES BETWEEN FRESH AND FREEZE ONLY DEFERRED BLASTOCYST TRANSFERS.** Fred V. Morgan-Ruiz, MD¹, Julio C. Rosales, M.D.¹, Patrizio Pasquale, MD, MBE, HCLD², Pablo Diaz-Spindola, MD¹ and Edelmiro Garza-Padilla, M.D.¹, ¹IECH, Monterrey, NL, Mexico, ²Yale Fertility Center, Orange, CT
- P-503 THE CLINICAL USE OF ENDOMETRIAL RECEPTIVITY ANALYSIS (ERA®) AND THE EFFECTS ON IMPLANTATION RATES IN WOMEN WITH PRIOR FAILED TRANSFERS.** Grace Z. Lu, B.S., Carolyn Givens, M.D. and Liyun Li, M.D., Pacific Fertility Center, San Francisco, CA
- P-504 DOES INTRACYTOPLASMIC SPERM INJECTION (ICSI) PROVIDE ANY BENEFIT OVER IN VITRO FERTILIZATION (IVF) ON PREGNANCY OUTCOMES IN NON-MALE FACTOR INFERTILITY CYCLES UNDERGOING PRE-IMPLANTATION GENETIC TESTING FOR ANEUPLOIDY (PGT-A)?** Jessica N Tozour, MD, PhD, Alyson Brady, MS, Meredith Akerman, MS, Alicia J Arnott, BS, Linda Sung, MD and Rani Fritz, DO, PhD, NYU Winthrop Hospital, Mineola, NY
- P-505 PERINATAL AND MATERNAL OUTCOMES AFTER FROZEN VERSUS FRESH EMBRYO TRANSFER CYCLES IN WOMEN OF ADVANCED MATERNAL AGE.** Xinyi Zhang, PhD and Jichun Tan, PhD, Shengjing Hospital of China Medical University, shenyang, China

POSTER PRESENTATIONS

- P-506 HLA-G LEVELS IN FOLLICULAR FLUID ARE NOT ASSOCIATED WITH FOLLICULAR G-CSF CONCENTRATIONS IN WOMEN UNDERGOING IN VITRO FERTILIZATION.**
 Dimitar Parvanov, PhD¹, Rumiana Ganeva, MSc¹, Milena Todorova, MSc¹, Kristina Nikolova, MSc¹, Magdalena Vasileva, MSc¹, Ivaylo Rangelov, MSc¹, Fabio Scarpellini, MD² and Georgi Stamenov, MD/PhD¹, ¹Nadezhda Women's Health Hospital, Sofia, Bulgaria, ²CENTER FOR ENDOCRINOLOGY AND REPRODUCTION, Rome, Italy
- P-507 EFFECT OF FOLLICLE SIZE AT TRIGGER IN GnRH ANTAGONIST PLUS LETROZOLE IVF CYCLES ON OOCYTE QUALITY OUTCOMES.**
 Phillip A Romanski, MD¹, Nirali J Shah, MD², Pietro Bortoletto, MD¹, Zev Rosenwaks, M.D.¹ and Glenn Schattman, MD¹, ¹The Ronald O. Perelman and Claudia Cohen Center for Reproductive Medicine, Weill Cornell Medicine, New York, NY, ²Weill Cornell Medicine, New York, NY
- P-508 PROGESTERONE/ESTRADIOL RATIO HAS A BETTER PROGNOSTIC VALUE THAN PROGESTERONE ALONE IN THE PREDICTION OF PREGNANCY OUTCOMES IN INTRACYTOPLASMIC SPERM INJECTION (ICSI) CYCLES.** Reda S. Hussein, MD¹, Ihab M. El-Nashar, MD¹, Ahmed F Amin, MD¹, Yulian Zhao, Ph.D.², Ahmed M Abbas, MD¹, Ahmed M. Abdelmagied, MD¹, Osama S Abdalimageed, MD¹, Ahmed Youssef, MD¹, Esraa Badran, MD¹, Tarek Farghaly, MD¹, Ahmed Ali Abdelaleem, MD¹, Mostafa N Ibrahim, MD¹ and Hisham A. Abou-Taleb, MD, PhD¹, ¹Department of Obstetrics and Gynecology, Faculty of Medicine, Assiut University, Assiut, Egypt, ²Department of Obstetrics and Gynecology, Mayo Clinic, Rochester, MN
- P-509 FROZEN EMBRYO TRANSFER CYCLES MAY OFFER ADVANTAGE IN BOTH PREGNANCY SUCCESS AND REDUCING THE NUMBER OF PATIENTS DISCONTINUING CARE. G**
 David Ball, PhD¹, Anne E Martini, DO², Stephanie Beall, MD, PhD³, Gilbert L Mottla, MD⁴, Brooke Hayward, SM, MBA⁵, Mary C Mahony, PhD, HCLD⁵ and Allison B Catherino, PhD⁵, ¹Seattle Reproductive Medicine Center, Seattle, WA, ²National Institute of Child Health and Human Development, NIH, Bethesda, MD, ³Shady Grove Fertility Center, Towson, MD, ⁴Shady Grove Fertility Center, Annapolis, MD, ⁵EMD Serono, Inc. (a business of Merck KGaA, Darmstadt, Germany), Rockland, MA
- P-510 TIME FROM OOCYTE RETRIEVAL TO SINGLE EMBRYO TRANSFER IN THE NATURAL CYCLE DOES NOT AFFECT CYCLE OUTCOMES.**
 Pietro Bortoletto, MD¹, Phillip A Romanski, MD¹, Brady I Magaoay, BA¹ and Steven Spandorfer, MD², ¹Weill Medical College of Cornell University, New York, NY, ²Weill Cornell Medicine, New York, NY
- P-511 IN VITRO PERI-IMPLANTATION DEVELOPMENT OF GOOD QUALITY HUMAN EMBRYOS IS AFFECTED BY BLASTOCYST MORPHOLOGICAL GRADE AND MATERNAL AGE.** Deirdre M. Logsdon, M.S.¹, Rachel C West, PhD², Rebecca Kile, MS², Courtney K Grimm, MS², Mandy G Katz-Jaffe, PhD¹, Sue McCormick, BS¹, Karen Maruniak, MLS¹, William B Schoolcraft, MD¹, Rebecca L. Krisher, PhD¹ and Ye Yuan, PhD¹, ¹Colorado Center for Reproductive Medicine, Lone Tree, CO, ²CCRM Colorado, Lone Tree, CO
- P-512 USE OF ADJUVANT HUMAN GROWTH HORMONE DOES NOT IMPROVE BLASTOCYST EUPLOIDY RATES IN PATIENTS UNDERGOING IN VITRO FERTILIZATION.** Holly Mehr, MD MSEd¹, Zain Al-Safi, MD¹, Carrie Riestenberg, MD¹, Victoria Lee, BS¹, Rong Guo, MS¹, Kathleen Brennan, MD¹, Lindsay Kroener, MD¹ and UCLA, ¹University of California, Los Angeles, Los Angeles, CA
- P-513 CLINICAL CHARACTERISTICS SHOULD NOT BE OVERLOOKED WHEN SELECTING EMBRYOS CULTURED IN A TIME-LAPSE INCUBATOR SYSTEM.** Amanda Souza Setti, MSc¹, Daniela Paes de Almeida Ferreira Braga, PhD¹, Ana Caroline Silva Soares, DVM, PhD², Patricia Guilherme, MSc², Assumpto Iaconelli Jr., MD¹ and Edson Borges Jr., PhD¹, ¹Fertility Medical Group / Sapientiae Institute, Sao Paulo, Brazil, ²Fertility Medical Group, Sao Paulo, Brazil
- P-514 ENDOMETRIAL MIRNOME ESTABLISHMENT DURING THE IMPLANTATION WINDOW UNDER HORMONE REPLACEMENT THERAPY FOR FROZEN EMBRYO TRANSFER CAN PREDICT SUCCESSFUL PREGNANCY.** Samir Hamamah, MD, PhD¹, Chloé Baron, PhD student², Anna

POSTER PRESENTATIONS

Gala, MD², Alice Ferrieres-Hoa, MD², Sophie Brouillet, PharmD, PhD², Frida Entezami, MD³ and Delphine Haouzi, PhD², ¹Arnaud de Villeneuve Hospital, CHU Montpellier, Montpellier, France, ²Inserm U1203, CHU Montpellier, St-Eloi Hospital, Montpellier, France, ³American Hospital of Paris, Neuilly sur Seine, France

P-515 DOES ENDOMETRIAL COMPACTION ON THE DAY OF FROZEN BLASTOCYST TRANSFER IMPROVE THE OUTCOME OF FROZEN-THAWED CYCLES? INTERIM ANALYSIS

Eman A Elgindy, MD, PhD¹, Amany Abdelghany, MD², Hoda Sibai, MD², Dalia O El-Haieg, MD¹ and Magdy I Mostafa, MD³, ¹Professor Obstetrics and Gynecology, The University of Zagazig, Zagazig, Egypt, ²Associate professor Obstetrics and Gynecology, The University of Zagazig, Zagazig, Egypt, ³professor Obstetrics and Gynecology, Cairo University, Cairo, Egypt

P-516 CLINICAL OUTCOMES AFTER SINGLE VERSUS DOUBLE EMBRYO TRANSFERS IN WOMEN WITH ADENOMYOSIS: A RETROSPECTIVE STUDY.

Jiayi Guo, Master, The Sixth Affiliated Hospital of Sun Yat-sen University, Guangzhou, China

P-517 CORRELATION BETWEEN ENDOMETRIAL THICKNESS AND PROBABILITY OF LIVE BIRTH IN FROZEN BLASTOCYST TRANSFER CYCLES WITH AND WITHOUT PRE-IMPLANTATION GENETIC TESTING.

Rachel Grimes Sprague, MD¹, Samad Jahandideh, PhD², Kate Devine, MD² and Anthony N Imudia, MD¹, ¹Department of Obstetrics and Gynecology, Morsani College of Medicine, University of South Florida, Tampa, FL, ²Shady Grove Fertility, Washington D.C.

P-518 THE IMPACT OF MODE OF DELIVERY ON SUBSEQUENT SINGLE EMBRYO TRANSFER CYCLES IN INFERTILE PATIENTS.

Zachary Walker, MD¹, Emily K Osman, MD², Ashley W Tiegs, MD², Julia G Kim, MD, MPH², Brent M Hanson, MD², Nola S Herlihy, MD², Amber M Klimczak, MD², Emre Seli, M.D.² and Richard Thomas Scott Jr., MD², ¹University of Alabama at Birmingham, Birmingham, AL, ²IVI-RMA New Jersey, Basking Ridge, NJ

P-519 LIVE DELIVERED PREGNANCY RATES ACCORDING TO AGE AND EMBRYO

CLEAVAGE RATES IN WOMEN WITH DIMINISHED OOCYTE RESERVE (DOR) HAVING ONLY A SINGLE EMBRYO TO TRANSFER ON DAY 3.

Jerome H Check, M.D., Ph.D.¹, Donna Summers, M.S.², Carrie K Wilson, B.A.², Jung Choe, M.D.¹ and Laura X Zalles, MD³, ¹Cooper Medical School of Rowan University, Camden, NJ, ²Cooper Institute for Reproductive Hormonal Disorders, P.C., Mt. Laurel, NJ, ³Cooper University Hospital, Camden, NJ

P-520 LIVE BIRTH RATES ARE COMPARABLE BETWEEN MODIFIED NATURAL AND PROGRAMMED FROZEN EMBRYO TRANSFER CYCLES.

Elizabeth L. Wolfe, MD¹, Denis A. Vaughan, MD², Daniel W. Duvall Jr., BA³, Denny Sakkas, PhD³ and Thomas L. Toth, MD², ¹Maine Medical Center, Portland, ME, ²Beth Israel Deaconess Medical Center, Boston, MA, ³Boston IVF, Waltham, MA

P-521 ASSOCIATION BETWEEN DAY OF TROPHECTODERM BIOPSY AND OUTCOMES OF EUPLOID EMBRYO TRANSFERS.

Catherine Gordon, MD, Andrea Lanes, PhD, Ann M Thomas, PhD and Catherine Racowsky, PhD, Brigham and Women's Hospital, Boston, MA

P-522 DO ANDROGENS MAKE STRAIGHT A STUDENTS?: EXPLORING THE LINK BETWEEN HYPERANDROGENISM AND BLASTOCYST GRADE

Nepheli Raptis, B.A., M.A.¹, Hanna Mandell, M.A.¹, Lauren Grimm, M.A.¹, Emma Radley, M.A.¹, Christy Oso, B.A.¹, Zoran J Pavlovic, M.D.², Jessi Anderson, MPH¹, Roohi Jeelani, MD¹ and Angeline Beltsos, MD¹, ¹Vios Fertility Institute, Chicago, IL, ²Rush University Medical Center, Chicago, IL

P-523 EFFECT OF CERVICAL MICROBIOME ON CLINICAL PREGNANCY RATE OF WOMEN UNDERGOING IN VITRO FERTILIZATION.

Xinyao Hao, bachelor degree, Pingping Li, PhD and Jichun Tan, PhD, Shengjing Hospital of China Medical University, shenyang, China

P-524 PREDICTORS OF ENDOMETRIAL COMPACTION PRIOR TO THAWED BLASTOCYST TRANSFER.

Carrie E Bedient, MD¹, Angela H Liu, MD², Melody A Rasouli, MD, MBA², Ankita Raman, MD³, Leah A Kaye, MD¹, Forest C Garner, MS¹ and

POSTER PRESENTATIONS

- Bruce S Shapiro, M.D., Ph.D., H.C.L.D.¹,
¹Fertility Center of Las Vegas, Las Vegas,
 NV, ²University of Nevada, Las Vegas, Las
 Vegas, NV, ³University of Nevada, Las
 Vegas, School of Medicine, Las Vegas, NV
- P-525** **DONOR SPERM CANNOT IMPROVE ART
 OUTCOMES IN WOMEN WITH LOW OVARIAN
 RESERVE.** Tingting Li, Doctor¹ and Panyu
 Chen, Master², ¹Reproductive Medicine
 Research Center, Sixth Affiliated Hospital of
 Sun Yat-sen University, Guangzhou, China,
²The Sixth Affiliated Hospital of Sun Yat-sen
 University, Guangzhou, China
- P-526** **DOES TRIGGER DAY PROGESTERONE
 AFFECT THE OUTCOME OF SUBSEQUENT
 FROZEN EMBRYO TRANSFER?** Ji Yeon Han,
 Fellow¹, Soo Jin Han, MD¹, Se Jin Kim,
 Fellow¹, Hye Kyeong Kim, Fellow¹, Sung
 Woo Kim, Professor¹, Hoon Kim, Professor¹,
 Seung Yup Ku, Professor¹, Chang Suk Suh,
 Professor¹ and Seok Hyun Kim, MD. PhD.²,
¹Seoul National University Hospital, Seoul,
 Korea, Republic of (South), ²Seoul National
 University College of Medicine, Seoul,
 Korea, Republic of (South)
- P-527** **DOES GONADOTROPIN DOSAGE AFFECT THE
 RATE OF ANEUPLOIDY?** Michelle Volovsky,
 MBBS (Hons)¹ and Richard Grazi, M.D.²,
¹Maimonides Medical Center, New York,
 NY, ²University of Washington, Seattle, WA
- P-528** **THE INFLUENCE OF OOCYTE MATURATION
 RATE ON EMBRYO DEVELOPMENT AND
 PREGNANCY OUTCOMES IN ICSI CYCLES.**
 Tingting Li, Doctor¹, Yi Zhou, master¹ and
 Cong Fang, PHD, MD², ¹Reproductive
 Medicine Research Center, Sixth Affiliated
 Hospital of Sun Yat-sen University,
 Guangzhou, China, ²The Sixth Affiliated
 Hospital of Sun Yat-sen University,
 Guangzhou, China
- P-529** **THE TROPHECTODERM BIOPSY EXPERIENCE
 DOES NOT AFFECT PGT OUTCOME.** Tuong
 V.D. Pham, B.S.¹, Randall Dunn, M.D.¹,
 Subodh Chauhan, M.D.¹, Leah Schenk,
 M.D.¹, Rakesh Mangal, M.D.¹, Audie Co,
 B.S.¹, Melissa Pinasco, M.S.¹, Wan-Song
 A Wun, PhD² and Aspire Fertility, ¹Aspire
 Fertility, Houston, TX, ²Harvest Fertility,
 Arcadia, TX
- P-530** **ESTABLISH A NOMOGRAM MODEL TO
 PREDICT LIVE BIRTH RATE OF PCOS PATIENTS
 AFTER IVF/ICSI TREATMENT.** Xing Yang, Ph.D.,
 Linzhi Gao, Master degree and Lina Wei,
 Ph.D., The Sixth Affiliated Hospital of Sun
 Yat-sen University, Guangzhou, China
- P-531** **OPTIMAL REPRODUCTIVE OUTCOMES
 OBTAINED FROM VASECTOMIZED MALES
 UNDERGOING TESE (TESTICULAR SPERM
 EXTRACTION) AND INTRACYTOPLASMIC
 SPERM INJECTION WITH OWN OR DONATED
 OOCYTES.** Irene Hervas, MSc¹, Nicolas
 Garrido, PhD², Lorena Valls, M.D.³, Rocio
 Rivera-Egea, PhD⁴, Maria Gil Julia, MSc,
 MRes¹ and Jose Maria Martinez-Jabaloyas,
 M.D.⁴, ¹IVI Foundation - IIS La Fe Biomedical
 Research Institute, Valencia, Spain, ²IVI
 Foundation - IIS La Fe Biomedical Research
 Institut, Valencia, Spain, ³Hospital Clínico
 de Valencia, Valencia, Spain, ⁴IVIRMA
 Valencia, Valencia, Spain
- P-532** **FOLLITROPIN ALFA (OVALEAP®) COMPARED
 WITH FOLLITROPIN BETA (PUREGON®)
 IN WOMEN UNDERGOING A FIRST
 GnRH ANTAGONIST CYCLE FOR ICSI: A
 RETROSPECTIVE COHORT STUDY.** Lien Van
 den Haute, Specialist degree, Panagiotis
 Drakopoulos, MD, PhD, Greta Verheyen,
 PhD, Michel De Vos, MD, Herman Tournaye,
 MD, PhD and Christophe Blockeel, MD, PhD,
 University Hospital Brussel, Brussels, Belgium
- P-533** **RELATIONSHIP BETWEEN NUMBER OF
 OOCYTES RETRIEVED AND EMBRYO
 EUPLOIDY RATE.** Jonathan D Buerger, MD¹,
 Jitesh Datla, MS², Shahab Minassian, MD³,
 Michael J Glassner, MD³, John J Orris, DO³,
 Nicolle Clements, PhD², Alyssa Sheffy, BS³
 and Sharon H Anderson, PhD³, ¹Tower
 Health Reading Hospital, West Reading, PA,
²Saint Joseph's University, Philadelphia, PA,
³Main Line Fertility Center, Bryn Mawr, PA
- P-534** **PREDICTING THE NUMBER OF BIOPSY
 QUALITY BLASTOCYSTS BASED ON OOCYTES
 RETRIEVED.** Catherine Gordon, MD, Andrea
 Lanes, PhD, Kimberly W Keefe, MD and
 Catherine Racowsky, PhD, Brigham and
 Women's Hospital, Boston, MA
- P-535** **DOES THE ADDITION OF VAGINAL ESTROGEN
 IN FROZEN EMBRYO TRANSFER CYCLES
 WITH LOW SERUM ESTRADIOL LEVELS BUT**

POSTER PRESENTATIONS

- P-536** **THIN ENDOMETRIAL LINING DURING FROZEN EMBRYO CYCLES- A CASE-CONTROL STUDY OF RISK FACTORS AND NATURAL HISTORY.** Emily A Jacobs, MD¹, Bradley J Van Voorhis, MD¹, Karen M Summers, MPH CHES¹ and Amy E Sparks, PhD², ¹University of Iowa, Iowa City, IA, ²University of Iowa Center for Advanced Reproductive Care, Iowa City, IA
- P-537** **EFFECT OF BED REST FOLLOWING SINGLE EUPLOID BLASTOCYST TRANSFER ON PREGNANCY OUTCOMES.** Nancy L Bossert, PhD¹, April E Batcheller, MD¹, William B Schoolcraft, MD², Hannah Van Der Geest, BS¹ and Jason E Swain, PhD, HCLD³, ¹CCRM Minneapolis, Edina, MN, ²CCRM Colorado, Lone Tree, CO, ³CCRM Fertility Network, Lone Tree, CO
- P-538** **DO INSULIN-LIKE GROWTH FACTOR (IGF-1) LEVELS IN INFERTILITY PATIENTS AFFECT IVF OUTCOMES?** Norbert Gleicher, MD¹, Sarah K Darmon, PhD², David F Albertini, PhD, MS³, Emanuela Molinari, PhD², Pasquale Patrizio, M.D.⁴ and David H Barad, MD, MS², ¹Center for Human Reproduction, Foundation for Reproductive Medicine, Rockefeller University, Medical University Vienna, New York, NY, ²Center for Human Reproduction, New York, NY, ³Bedford Research Foundation, Boston, MA, ⁴Yale Fertility Center, New Haven, CT
- P-539** **COMPARING IVF OUTCOMES AND PROVIDER ASSESSMENT OF PATIENT TOLERANCE DURING OOCYTE RETRIEVAL PROCEDURES USING CONSCIOUS SEDATION VERSUS MONITORED ANESTHESIA CARE.** Nischelle Kalakota, MD¹, Andrea Starostanko, M.D.², Abhinav Hasija, BS, MS³, Kurt Peterson, DO⁴ and Suruchi Thakore, MD⁵, ¹UC Medical Center, Cincinnati, OH, ²University of Cincinnati Center for Reproductive Health, West Chester Township, OH, ³The Ohio State University- Fisher College of Business, Columbus, OH, ⁴University of Cincinnati, Cincinnati, OH, ⁵University of Cincinnati Medical Center, West Chester, OH
- P-540** **PREDICTIVE FACTORS OF AT LEAST ONE EUPLOID EMBRYO ON CUMULATIVE LIVE BIRTH RATES IN PATIENTS 40 YEARS AND OLDER UNDERGOING PRE-IMPLANTATION GENETIC TESTING FOR ANEUPLOIDY.** Benjamin Yoones Zaghi, M.D.¹, Baruch Abittan, M.D.², Gabriel San Roman II, MS³ and Gabriel San Roman, MD⁴, ¹Northwell Health Southside Hospital, Bay Shore, NY, ²Northwell Health Fertility, North Shore University Hospital/Donald and Barbara Zucker School of Medicine at Hofstra/Northwell, Manhasset, NY, ³Northwell Health Fertility, Zucker School of Medicine at Hofstra/Northwell, Manhasset, NY, ⁴North Shore University Hospital, Manhasset, NY
- P-541** **OPTIMIZING FROZEN EMBRYO TRANSFER (FET) SUCCESS: IMPROVED SUCCESS IN NATURAL CYCLES WITH THE USE OF HCG TRIGGER DESPITE SIMILAR OVERALL OUTCOMES WITH GONADOTROPIN STIMULATED, NATURAL, AND PROGRAMMED CYCLES.** Rhea Chattopadhyay, MD, Rachel S Weinerman, MD, James H Liu, M.D., Rebecca Flyckt, MD and Sung Tae Kim, PhD, HCLD, University Hospitals Fertility Center/Case Western Reserve University, Beachwood, OH
- P-542** **LESSONS LEARNED FROM A 10 YEARS CRYOEMBRYO VITRIFICATION PROGRAM: THE AGE OF THE OOCYTE MATTERS.** Carmen Vidal, M.D., Ph.D.¹, Juan Giles, M.D., Ph.D.², Guillermo Mollá Robles, M S³, M^a José de los Santos, PhD¹, Jose Remohi, MD PhD¹ and Ana Cobo, PhD¹, ¹IVIRMA Valencia, Valencia, Spain, ²IVI-RMA Valencia, Valencia, Spain, ³IVI Foundation, Health Research Institute La FE, Valencia, Spain
- P-543** **TROPHODERM MORPHOLOGY IN EUPLOID EMBRYOS IS RELATED TO INFERTILITY DIAGNOSIS AND PREGNANCY OUTCOME AFTER TRANSFER.** Nicole D Ulrich, MD¹, Ashley Hesson, MD, PhD², Anne Waldo, MS³, Erin Inman, M.D.², Micaela J Stevenson, BS⁴, Molly B Moravek, MD, MPH³, Samantha B Schon, MD, MTR¹ and Min Xu, Ph.D.³

POSTER PRESENTATIONS

- ¹Reproductive Endocrinology and Infertility, University of Michigan, Ann Arbor, MI, ²University of Michigan, Obstetrics and Gynecology, Ann Arbor, MI, ³University of Michigan, Ann Arbor, MI, ⁴University of Michigan Medical School, Ann Arbor, MI
- P-544 CLEAVAGE STAGE OR BLASTOCYST STAGE - WHAT IS THE OPTIMAL STAGE OF FROZEN EMBRYO TRANSFER IN PATIENTS WITH PREDICTED POOR OVARIAN RESPONSE AFTER UNDERGOING IN VITRO FERTILIZATION WITH MILD OR MINIMAL STIMULATION?** Kimberly Yau, MD, Josette C Dawkins, MD², David Prokai, MD³, Orhan Bukulmez, MD² and Zexu Jiao, MD/PhD², ¹UT Southwestern Medical Center, Dallas, TX, ²UT Southwestern, Dallas, TX
- P-545 EVALUATING THE EFFECTS OF OOCYTE COHORT SIZE AND MATURITY IN ANTAGONIST IVF CYCLES ON FERTILIZATION, CLEAVAGE, BLASTULATION, AND HIGH-QUALITY EMBRYO FORMATION.** Jenna M Rehmer, MD¹, Elliott G Richards, MD¹ and Nina Desai, Ph.D., HCLD², ¹Cleveland Clinic Foundation, Cleveland, OH, ²Cleveland Clinic, Beachwood, OH
- P-546 BIRTH OUTCOMES FROM ACUPUNCTURE ADDED TO FROZEN EMBRYO TRANSFER (FET) OF AUTOLOGOUS EMBRYOS WITHOUT GENETIC SCREENING: A RETROSPECTIVE COHORT STUDY.** Lee Hullender Rubin, DAOM¹, Carmelo S Sgarlata, M.D.², Morgan Hogue, MAcOM², Lisa Pate, MAcOM², Elizabeth Richards, MAcOM², Lisa K Tongel, MAcOM² and Hong Jin, DAOM, MD(PRC)³, ¹Osher Center for Integrative Medicine University of California San Francisco, San Francisco, CA, ²ORM Fertility, Portland, OR, ³Oregon College of Oriental Medicine, Portland, OR
- P-547 ELECTIVE DOUBLE EUPLOID EMBRYO TRANSFER IN ADVANCED MATERNAL AGE COUPLES – IS THERE A BENEFICIAL ROLE?** Krishna Mantravadi Sr., MBBS, PGDHOM, Masters in clinical embryology¹, Vijay Kumar Sharanappa Sr., MBBS, MD, MCE², Sarvani Bellala Il, M.S. Biomedical Genetics (Spl. in GC), B.S.(BC, BT & HG)¹, Durga Gedela Rao Sr., MRCOG¹ and Sandeep Karunakaran Sr., MS, PGDHM, PGDMLE¹, ¹Oasis fertility, Hyderabad, India, ²OASIS FERTILITY, Hyderabad, TELANGANA, India
- P-548 WITHDRAWN**
- P-549 IS THERE A CORRELATION BETWEEN ENDOMETRIAL THICKNESS AND IVF OUTCOMES?** Magdalena Decia, MD, Dana Kimelman, MD MS-RSM, Lucia Abulafia, MD and Gabriel A De la Fuente, MD, Centro de Esterilidad Montevideo, Montevideo, Uruguay
- P-550 MICROFLUIDIC SPERM SORTING VS. DENSITY GRADIENT: A PRELIMINARY ANALYSIS EXAMINING EMBRYO GRADE AND PREGNANCY OUTCOMES IN IVF-ICSI CYCLES USING VARYING SPERM SELECTION METHODS** Zoran J Pavlovic, M.D.¹, Megan R Sax, MD², Alex Tawa, B.S.³, Lauren Grimm, M.A.⁴, Nepheli I Raptis, B.A., M.A.⁴, Jessi Anderson, MPH⁴, Emma Radley, M.A.⁴, Hanna Mandell, M.A.⁴, Christy Oso, B.A.⁴, Angeline Beltsos, MD⁴ and Roohi Jeelani, MD⁴, ¹Rush University Medical Center, Chicago, IL, ²University of Cincinnati and Cincinnati Children's Medical Center, Cincinnati, OH, ³Midwestern University Chicago College of Osteopathic Medicine, Downers Grove, IL, ⁴Vios Fertility Institute, Chicago, IL
- P-551 THE EFFECT OF MODIFIABLE RISK FACTORS ON IMPLANTATION SUCCESS FOLLOWING IN-VITRO FERTILIZATION: A RETROSPECTIVE COHORT.** Emily E Lenk, MD¹ and James W Akin Jr., MD², ¹University of Kentucky, Lexington, KY, ²Bluegrass Fertility Center, Lexington, KY
- P-552 A MODIFIED PROGESTIN PRIMED OVARIAN STIMULATION PROTOCOL FOR PREDICTED POOR RESPONDERS IN IVF/ICSI.** He Cai, M.D., Li Tian, M.D., Ting Wang, M.D. and Juanzi Shi, M.D., Ph.D., Northwest Women's and Children's Hospital, XI'AN, China
- P-553 ROLE OF BLASTOCYST MORPHOLOGY IN PREDICTING CLINICAL OUTCOMES IN SINGLE FROZEN BLASTOCYST TRANSFERS.** Gaurav Majumdar, MCE, PhD and Sonal Sehgal, MBBS, MD, Sir Ganga Ram Hospital, New Delhi, India
- P-554 PLATELET RICH PLASMA (PRP) CAN IMPROVE PREGNANCY OUTCOME IN PATIENTS WITH RECURRENT IMPLANTATION FAILURE (RIF) AND THIN ENDOMETRIAL LINING.** Janelle M Jackman, MBBS¹, Shelena Ali-Bynom, M.D., M.P.H.², Alex Amberg, M.D.², John Zhang, MD, PhD³, Lana Lipkin, M.D.³, Meir Olcha,

POSTER PRESENTATIONS

- M.D.³ and Zaher Merhi, MD, HCLD³, ¹New Hope Fertility Center, New York, NY, ²The Brooklyn Hospital Center, Brooklyn, NY, ³SUNY Downstate University and New Hope Fertility Center, New York, NY
- P-555 ASSOCIATION BETWEEN AGE AND ESTRADIOL/PROGESTERONE INDEX WITH GOOD QUALITY BLASTOCYSTS.** Marianna Pérez-Vargas, M.D.¹, Jose I. Obeso Montoya, PhD¹, Roberto Santos, M.D.¹, Patrizio Pasquale, MD, MBE, HCLD², Arnoldo Gonzalez, M.D.³, Salomon Alvarado, MD¹ and Edelmiro Garza-Padilla, M.D.¹, ¹IECH, Monterrey, NL, Mexico, ²Yale Fertility Center, Orange, CT, ³RESIDENTE SEGUNDO AÑO, MONTERRY, NL, Mexico
- P-556 GnRH ANTAGONIST AND LETROZOLE CO-TREATMENT IN NORMAL OVARIAN RESERVE PATIENTS.** Tingting Li, Doctor, Reproductive Medicine Research Center, Sixth Affiliated Hospital of Sun Yat-sen University, Guangzhou, China
- P-557 LOW LUTEAL SERUM PROGESTERONE LEVELS ARE ASSOCIATED WITH LOWER ONGOING PREGNANCY AND LIVE BIRTH RATES IN ART: SYSTEMATIC REVIEW AND META-ANALYSES.** Noemie Ranisavljevic, M.D., Ph.D.¹, Stephanie Huberlant, M.D., Ph.D.², Marie Montagut, M.D.³, Pierre Marie Alonzo, PharmD⁴, Bernadette M Darné, MD⁵, Solene Languille, PHD⁵, Tal Anahory, M.D., Ph.D.¹ and Isabelle Cedrin-Durnerin, M.D.⁶, ¹CHU and University of Montpellier, Montpellier, France, ²University hospital of Nimes, Nimes, France, ³Clinique La Croix du Sud, Quint-Fonsegrives, France, ⁴Gedeon Richter France, Paris, France, ⁵Monitoring Force, Maisons Laffitte, France, ⁶Jean Verdier Hospital, bondy, France
- P-558 THE EFFECT OF GROWTH HORMONE ON CLINICAL OUTCOMES OF POOR OVARIAN RESPONDER UNDERGOING IN VITRO FERTILIZATION/INTRACYTOPLASMIC SPERM INJECTION TREATMENT: A RETROSPECTIVE STUDY BASED ON POSEIDON CRITERIA.** Xing Yang, Ph.D.¹ and Mei-hong Cai, Master², ¹The Sixth Affiliated Hospital of Sun Yat-sen University, Guangzhou, China, ²Guangzhou First People's Hospital, School of Medicine, South China University of Technology, Guangzhou, China
- P-559 IMPROVEMENT OF PREGNANCY OUTCOME BY TARGETING A CUSTOMIZED TIMING OF FROZEN EMBRYO TRANSFER IN PATIENTS FOR DONOR EGG RECIPIENTS.** Delphine Haouzi, PhD¹, Frida Entezami, MD², Charlotte Mauries, MD¹, Alice Ferrieres-Hoa, MD¹, Anna Gala, MD³, Emmanuelle Vintejou, MD³, Cecile Brunet, MD³, Claire Vincens, MD⁴, Sophie Bringer-Deutsch, MD³, Sophie Brouillet, PharmD, PhD³ and Samir Hamamah, MD, PhD³, ¹Inserm U1203, CHU Montpellier, St-Eloi Hospital, Montpellier, France, ²American Hospital of Paris, Neuilly sur Seine, France, ³Arnaud de Villeneuve Hospital, CHU Montpellier, Montpellier, France, ⁴ART-PGD department, Arnaud de Villeneuve Hospital, CHU Montpellier, Montpellier, France
- P-560 ESTABLISHING THE FOLLITROPIN DELTA DOSE PROVIDING COMPARABLE OVARIAN RESPONSE AS 150 IU/DAY FOLLITROPIN ALFA FOR CONTROLLED OVARIAN STIMULATION.** Joan-Carles Arce, MD, PhD and Per Larsson, PhD, Ferring Pharmaceuticals, Copenhagen, Denmark
- PD3-02 POSTER SESSION: REPRODUCTIVE BIOLOGY: BASIC**
- P-561 IN-UTERO ANDROGEN EXPOSURE CHANGES NEONATAL OVARIAN GENE EXPRESSION IN A LEAN PCOS MOUSE MODEL.** Jamie Merkison, MD and Chellakkan Selvanesan Blesson, PhD, Baylor College of Medicine, Houston, TX
- P-562 CUMULUS CELL TRANSCRIPTOMIC PROFILES OF OOCYTES THAT RESULT IN WHOLE CHROMOSOME 21 MONOSOMY AND TRISOMY ARE SIGNIFICANTLY DIFFERENT.** Ashley W Tiegs, MD¹, Shiny Titus, PhD², Sameet Mehta, PhD³, Rolando Garcia-Milian, MLS, AHIP³, Emre Seli, M.D.² and Richard Thomas Scott Jr., MD², ¹IVI-RMA New Jersey, Basking Ridge, NJ, ²IVI RMA New Jersey, Basking Ridge, NJ, ³Yale School of Medicine, New Haven, CT
- P-563 REASSIGNED**
- P-564 NATURAL COMPOUND METHYL JASMONATE SHOWS PROMISING ANTI-FIBROID EFFECTS IN HUMAN UTERINE FIBROIDS VIA INHIBITION OF**

POSTER PRESENTATIONS

- EZH2 MEDIATED WNT/B-CATENIN SIGNALING PATHWAY ACTIVATION.** Mohamed Ali, B.Pharm, MSc¹, Ayman Al-Hendy, MD, PhD² and Qiwei Yang, PhD¹, ¹University of Illinois at Chicago, Chicago, IL, ²University of Illinois at Chicago, Chicago, IL
- P-565 PLASMINOGEN DOES NOT IMPROVE BLASTOCYST HATCHING IN VITRO, BUT MAY IMPROVE BLASTOCYST QUALITY.** Heidi J Engelhorn, MS¹, William B Schoolcraft, MD² and Rebecca L. Krisher, PhD¹, ¹CCRM Colorado, Lone Tree, CO, ²CCRM Fertility Network, Lone Tree, CO
- P-566 A REDUCED NUTRIENT CULTURE ENVIRONMENT IMPROVES BOVINE BLASTOCYST DEVELOPMENT AND ALTERS MITOCHONDRIAL METABOLISM AS ELUCIDATED BY SINGLE CELL RNA SEQUENCING.** Benjamin B Goheen, BS¹, Sandeep K Rajput, PhD¹, Deirdre M Logsdon, MS¹, Ye Yuan, PhD¹, Zongliang Jiang, Ph.D², William B Schoolcraft, MD¹ and Rebecca L. Krisher, PhD³, ¹Colorado Center for Reproductive Medicine, Lone Tree, CO, ²Louisiana State University, Baton Rouge, LA, ³CCRM Colorado, Lone Tree, CO
- P-567 THE ROLE OF TRYPTOPHAN 2,3-DIOXYGENASE IN HUMAN UTERINE LEIOMYOMA HARBORING MED12 MUTATION.** Anne P. Hutchinson, M.D.¹, Ping Yin, M.D., PhD², John S Coon V, M.S.², Ilona Neale, BA (expected 2020)² and Serdar E Bulun, MD³, ¹Northwestern University Feinberg School of Medicine, Department of Obstetrics and Gynecology, Division of Reproductive Endocrinology and Infertility, Chicago, IL, ²Northwestern University Feinberg School of Medicine, Chicago, IL, ³250 E Superior, Chicago, IL
- P-568 USING MIRROR COPIES OF PARENTAL GENOMES TO GENERATE DEVELOPMENTALLY COMPETENT EMBRYOS.** Philip Xie, B.S., Aysha Trout, B.A., Zev Rosenwaks, M.D. and Gianpiero D. Palermo, M.D., Ph.D., The Ronald O. Perleman and Claudia Cohen Center for Reproductive Medicine, Weill Cornell Medicine, New York, NY
- P-569 HYPOXIA INDUCES TROPHOBLAST MIGRATION AND INVASION GENE PATHWAYS A SUBSET OF WHICH ARE**
- REDUCED IN PREECLAMPSIA CVS.** Barry E Perlman, DO¹, Audrey Merriam, MD, MS², Alexander Lemenze, PhD¹, Salma Begum, PhD³, Qingshi Zhao, PhD¹, Carrie J Shawber, PhD⁴ and Nataki C. Douglas, MD, PhD¹, ¹Rutgers New Jersey Medical School, Newark, NJ, ²Yale University, New Haven, NJ, ³Rutgers-New Jersey Medical School, Newark, NJ, ⁴Columbia University College of Physicians and Surgeons, New York, NY
- P-570 IN VITRO MATURED OOCYTES DERIVED FROM THREE DIMENSIONAL CULTURE (3-D) OF PRE-ANTRAL FOLLICLES IN A HYALURONAN BIOMATRIX ARE FUNCTIONALLY COMPETENT.** Maribeth Spangler, MS¹, Arsela Gishto, MS¹, Alyssa Brown, MS¹ and Nina Desai, Ph.D., HCLD², ¹Cleveland Clinic, Beachwood, OH, ²Cleveland Clinic, Beachwood, OH
- P-572 CORONAVIRUS DISEASE (COVID-19): TRANSCRIPTOMIC AND PROTEOMIC INVESTIGATION OF CELLS OF THE MALE AND FEMALE REPRODUCTIVE SYSTEMS TO EVALUATE SARS-COV-2 INFECTION RISK.** Kate E Stanley, B.A.¹, Elizabeth Thomas, B.A.¹, Megan Leaver, M.Sc.¹ and Dagan Wells, Ph.D.², ¹Nuffield Department of Women's and Reproductive Health, Oxford, United Kingdom, ²Juno Genetics, Oxford, United Kingdom
- P-573 SEPT12 EXPRESSION IN HUMAN TROPHECTODERM CELLS: INSIGHT INTO EMBRYONIC ARREST.** Christine Briton-Jones, PhD, HCLD¹, Lucky Sekhon, MD¹, Kimaada Allette, BS², Ethan Ellis, BS², Ying-Chih Wang, MS², Joseph A. Lee, BA¹, Melissa L. Smith, PhD², Eric Schadt, PhD², Robert P. Sebra, PhD² and Alan B Copperman, MD², ¹Reproductive Medicine Associates of New York, New York, NY, ²Icahn School of Medicine at Mount Sinai, New York, NY
- P-574 DIFFERENCES IN METABOLIC SIGNATURES BETWEEN THE INNER CELL MASS AND THE TROPHECTODERM IN DISCARDED HUMAN BLASTOCYSTS.** Marta Venturas, M.Sc.¹, Jaimin S Shah, M.D.², Tim H Sanchez, Ph.D.³, Will Conway, Bs in Physics and Biology¹, Denny Sakkas, PhD⁴ and Dan Needleman, Ph.D.¹, ¹Harvard University, Cambridge, MA, ²Beth Israel Deaconess Medical Center/ Harvard Medical School, Boston, MA,

POSTER PRESENTATIONS

³None, ⁴Boston IVF, Waltham, MA

- P-575** **CIRCULATING MIRNAS AS A NON-INVASIVE DIAGNOSTIC TOOL TO PREDICT IMPLANTATION FAILURE.** Chloé Baron, PhD student¹, Delphine Haouzi, PhD¹, Frida Entezami, MD¹, Sophie Brouillet, PharmD, PhD¹ and Samir Hamamah, MD, PhD², ¹Inserm U1203, CHU Montpellier, St-Eloi Hospital, Montpellier, France, ²Arnaud de Villeneuve Hospital, CHU Montpellier, Montpellier, France
- P-576** **DISRUPTION OF NRF2- MEDIATED STRESS RESPONSE AND DNA REPAIR PATHWAYS ARE ASSOCIATED WITH LIMITED DEVELOPMENTAL POTENTIAL OF TRISOMY EMBRYOS.** Jason C Parks, BS, Mary E Haywood, PhD, Blair R McCallie, BS, Sue McCormick, BS, William B Schoolcraft, MD and Mandy G Katz-Jaffe, PhD, Colorado Center for Reproductive Medicine, Lone Tree, CO
- P-577** **AGE-EFFECT ON THE FATTY ACID AND LIPIDOMIC PROFILE OF THE FOLLICULAR FLUID DURING IN-VITRO FERTILIZATION CYCLES.** Gustavo N Cecchino, M.D.¹, Mariona Jové, Ph.D.², Reinald Pamplona, Ph.D.², Juan A Garcia-Velasco, MD, PhD³ and Eduardo Rial, PhD⁴, ¹VIRMA Madrid, Madrid, Spain, ²Universitat de Lleida, Lleida, Spain, ³IVI Madrid, Rey Juan Carlos University, Madrid, Spain, ⁴Centro de Investigaciones Biológicas Margarita Salas - CSIC, Madrid, Spain
- P-578** **MITOCHONDRIAL STRESS RESPONSE GENE CLPP IS NOT REQUIRED FOR GRANULOSA CELL FUNCTION.** Ecem Esencan, M.D.¹, Gizem Imamoglu, MD¹, Mauro Cozzolino, MD² and Emre Seli, M.D.¹, ¹Yale School of Medicine, New Haven, CT, ²VIRMA Foundation, Valencia, Spain
- P-579** **SUPPLEMENTATION OF CULTURE MEDIUM WITH MELATONIN IMPROVES BLASTOCYST DEVELOPMENT AND REVERSES GLUCOSE INTOLERANCE IN IVF MICE.** Yanping Jia, student, Wenqiang Liu, Research associate, Dandan Bai, student, Kunming Li, professor and Miaoxin Chen, PhD, Center for Reproductive Medicine, Shanghai First Maternity and Infant Hospital, Tongji University, Shanghai, China
- P-580** **BREAKDOWN OF FOLLICLE-OOCYTE COMMUNICATION CONTRIBUTES TO AGE-RELATED INFERTILITY: DISRUPTED *Tgfb1* SIGNALING IMPAIRS ACQUISITION OF OOCYTE COMPETENCE.** Jennifer E Russ, BS, Mary E Haywood, PhD, Blair R McCallie, BS, William B Schoolcraft, MD and Mandy G Katz-Jaffe, PhD, Colorado Center for Reproductive Medicine, Lone Tree, CO
- P-581** **OVARIAN TISSUE FROM DECEASED DONORS MAINTAINS NORMAL FOLLICLE VIABILITY DESPITE PROLONGED COLD ISCHEMIA.** Yuting Fan, MD, PhD¹, Colleen L Flanagan, MSE¹, Margaret Brunette, MS¹, Andrea Jones, PhD¹, Sherman Silber, MD² and Ariella Shikanov, PhD¹, ¹University of Michigan, Ann Arbor, MI, ²Infertility Center of St. Louis, St. Louis, MO
- P-582** **UNIQUE SUBCELLULAR CO-LOCALIZATION OF FMR1 WITH FIBRILLARIN AND AMH IN GRANULOSA CELLS SUGGESTS NOVEL ROLES IN LOCALIZED REGULATION OF CELL CYCLE PROGRESSION.** Jianjun Hu, MD¹, Min Yang, PHD², Lin Zhang, MD¹, David F Albertini, PhD, MS¹, Emanuela Molinari, PhD¹, David H Barad, MD, MS¹ and Norbert Gleicher, MD³, ¹Center for Human Reproduction, New York, NY, ²Rockefeller University, New York, NY, ³Center for Human Reproduction, Foundation for Reproductive Medicine, Rockefeller University, Medical University Vienna, New York, NY
- P-583** **ASSOCIATION BETWEEN THE PERCENTAGE OF p16-POSITIVE SENESCENT CELLS AND THE EXPRESSION OF ESTROGEN AND PROGESTERONE RECEPTORS IN HUMAN ENDOMETRIUM DURING THE MID-LUTEAL PHASE.** Dimitar Parvanov, PhD, Rumiana Ganeva, MSc, Nina Vidolova, MSc and Georgi Stamenov, MD/PhD, Nadezhda Women's Health Hospital, Sofia, Bulgaria
- P-584** **EARLY EMBRYO INITIATED UTERINE RECEPTIVITY REGULATED BY LOCAL APOPTOTIC CASPASE-3 MEDIATED PROSTAGLANDIN ACTION.** Sicily E Garvin, MD, MSBS¹, Chandrashekhara Kyathanahalli, PhD², Jeyasuria Pancharatnam, PhD² and Jennifer Condon, PhD², ¹Wayne State University, Detroit, MI, ²Wayne State University School of Medicine,

POSTER PRESENTATIONS

Detroit, MI

- P-585 INTERFERON-STIMULATED GENE 15 ENHANCEMENT OF TROPHOBLAST INVASION IS REGULATED BY INCREASED FILAMENTOUS-ACTIN FORMATION AND $\beta 1$ INTEGRIN EXPRESSION AND DECREASED $\beta 4$ INTEGRIN LEVELS.** Ali E Wells, MD, ASLI Ozmen, PhD, Xiaofang Guo, MD, Ozlem Guzeloglu-Kayisli, PhD, Charles J Lockwood, MD, MHCM and Umit A Kayisli, PhD, Department of Obstetrics and Gynecology, Morsani College of Medicine, University of South Florida, Tampa, FL
- P-586 PHTHALATES AND HYPEROSMOTIC STRESS FORCE LOSS OF GROWTH AND PROGRESSION PAST G1 PHASE IN FUCCI EMBRYONIC STEM CELLS.** Elizabeth E Puscheck, MD, MS, MBA¹, Mohammed Abdulkareem Abdulhasan, Ph.D.², Steven J Korzeniewski, Ph.D.³, Katherine Gurdziel, Ph.D.⁴, Douglas Ruden, Ph.D.⁴ and Daniel Rappolee, Ph.D.³, ¹InVia Fertility, Hoffman Estates, IL, ²Reproductive Stress 3M, Inc., Grosse Pointe Farms, MI, ³Wayne State University School of Medicine, Detroit, MI, ⁴Wayne State University, Detroit, MI
- P-587 TRANSFER OF DIPLOID SOMATIC CELLS INTO ENUCLEATED OOCYTES TO INDUCE MEIOSIS-LIKE HAPLOIDIZATION.** Aysha Trout, B.A., Philip Xie, B.S., Robert Setton, M.D., Zev Rosenwaks, M.D. and Gianpiero D. Palermo, M.D., Ph.D., The Ronald O. Perelman and Claudia Cohen Center for Reproductive Medicine, Weill Cornell Medicine, New York, NY
- P-588 DEFECTIVE MITOPHAGY IN EGGS FROM WOMEN OF ADVANCED MATERNAL AGE.** Shaihla A Khan, PhD¹, Deirdre M Logsdon, MS¹, Heidi J Engelhorn, MS¹, Sue McCormick, BS², William B Schoolcraft, MD² and Rebecca L. Krisher, PhD¹, ¹CCRM Colorado, Lone Tree, CO, ²Colorado Center for Reproductive Medicine, Lone Tree, CO
- P-589 TRANSCRIPTOMIC EVIDENCE OF SEXUAL DIMORPHISM IN EARLY HUMAN BLASTOCYSTS.** Christine Briton-Jones, PhD, HCLD¹, Erkan Buyuk, MD², Sydney Chang, MD², Joseph A. Lee, BA¹, Sam Steffan, BA Sc.³, Amit U Sinha, PhD³ and Alan B Copperman, MD², ¹Reproductive Medicine Associates of New York, New York, NY, ²Icahn School of Medicine at Mount Sinai, New York, NY, ³Basepair Inc, New York, NY
- P-590 X INACTIVE SPECIFIC TRANSCRIPT (XIST) AND ANTISENSE TSIX EXPRESSION IN SIBLING EUPLOID HUMAN BLASTOCYSTS: INSIGHTS INTO HUMAN X CHROMOSOME INACTIVATION.** Christine Briton-Jones, PhD, HCLD¹, Alan B Copperman, MD², Sydney Chang, MD², Joseph A. Lee, BA¹, Sam Steffan, BA Sc.³, Amit U Sinha, PhD³ and Erkan Buyuk, MD², ¹Reproductive Medicine Associates of New York, New York, NY, ²Icahn School of Medicine at Mount Sinai, New York, NY, ³Basepair Inc, New York, NY
- P-591 ATOSIBAN AND BARUSIBAN IMPROVED IMPAIRED ENDOMETRIAL BLOOD FLOW IN PREGNANT RABBITS.** Joan-Carles Arce, MD, PhD¹, Luciano Cunego, MS², Paolo Perfetti, Dr², Stéphane P Milano, PhD³ and Torsten M Reinheimer, PhD, Prof¹, ¹Ferring Pharmaceuticals A/S, Copenhagen, Denmark, ²Aptuit An Evotec Company, Verona, Italy, ³Double Strand Consulting Company, Saint Nizier d'Azergues, France
- P-592 LOSS OF MIR-29a IMPAIRS PROLIFERATION AND DECIDUALIZATION OF ENDOMETRIAL STROMAL CELLS VIA ENHANCING THE INTERACTION OF TET3 AND Col1A1 DURING PATHOPHYSIOLOGY OF EARLY PREGNANCY LOSS.** Aixia Liu, PH.D., Dimin Wang, M.D., Mengmeng Jin, M.D., Ying Zhou, B.S. and Laidi Xie, B.S., School of Medicine, Zhejiang University, Hangzhou, China
- P-593 HYPERBARIC OXYGEN PRECONDITIONING OF OVARIAN TISSUE BEFORE CRYOPRESERVATION MODULATE GENES INVOLVED IN FOLLICLE ACTIVATION AND ANTI-APOPTOTIC PATHWAYS.** Anders Kjellberg, MD, DESA, EDIC, PhD student¹, Christina Diakaki, Master student², Xia Hao, PhD student², Amandine Anastácio, PhD, PostDoc² and Kenny A. Rodriguez-Wallberg, MD, PhD, Associate Professor³, ¹Karolinska Institutet, Stockholm, Sweden, ²Laboratory of Translational Fertility Preservation, Karolinska Institutet, Stockholm, Sweden, ³Karolinska Institutet and Karolinska University Hospital, Stockholm, Sweden
- P-594 ASSESSMENT OF MITOCHONDRIAL DNA**

POSTER PRESENTATIONS

- METHYLATION IN HUMAN BLASTOCYSTS.** Xin Tao, Ph.D.¹, Yiping Zhan, Ph.D.², Richard Thomas Scott Jr., MD³ and Emre Seli, M.D.⁴, ¹Foundation for Embryonic Competence, Basking Ridge, NJ, ²The Foundation for Embryonic Competence, Basking Ridge, NJ, ³IVI RMA Global, Basking Ridge, NJ, ⁴IVI RMA New Jersey, Basking Ridge, NJ
- P-595 miRNA-92a SUPPRESSES ANDROGEN-PRODUCING STEROIDOGENIC GENES EXPRESSION IN H295R, A HUMAN PCOS IN-VITRO THECA-LIKE CELL MODEL.** Sahar Esfandyari, DVM, The University of Illinois College of Medicine, Chicago, IL
- P-596 ENHANCEMENT OF HUMAN GRANULOSA CELLS SELF-RESCUE BY MITOCHONDRIAL TRANSFER VIA TUNNELING NANOTUBES.** Chia-Jung Li, Ph.D and Kuan-Hao Tsui, M.D; Ph.D, Department of Obstetrics and Gynecology, Kaohsiung Veterans General Hospital, Kaohsiung, Taiwan
- P-597 EXPOSURE OF HUMAN BLASTOCYSTS TO SPECIFIC GROWTH FACTORS BASED ON RECEPTOR PRESENCE IMPROVES EPIBLAST FORMATION IN EXTENDED EMBRYO CULTURE.** Deirdre M Logsdon, MS¹, Sandeep K Rajput, PhD¹, Courtney K Grimm, MS², William B Schoolcraft, MD¹, Ye Yuan, PhD¹ and Rebecca L. Krisher, PhD¹, ¹Colorado Center for Reproductive Medicine, Lone Tree, CO, ²CCRM Colorado, Lone Tree, CO
- P-598 SIMULATED LONG-TERM EFFECTS OF RELUGOLIX COMBINATION THERAPY ON BONE MINERAL DENSITY AT THE LUMBAR SPINE AS PREDICTED BY A VALIDATED SEMI-MECHANISTIC EXPOSURE-RESPONSE MODEL.** Anthe S Zandvliet, PhD, PharmD¹, Aziz Ouerdani, PharmD, PhD¹, Tien-Yi Lee, PhD², Elizabeth M Migoya, Pharm D², Juan Camilo Arjona Ferreira, MD² and Rik de Greef, MSc¹, ¹Certara, Oss, Netherlands, ²Myovant Sciences Inc., Brisbane, CA
- P-599 THE REPRODUCTIVE SUBJECTS REGISTRY AND SAMPLE REPOSITORY (RSRSR): ESTABLISHING A BIOREPOSITORY FOR THE STUDY OF REPRODUCTIVE HEALTH.** Nicholas S Raja, MD¹, Samantha B Schon, MD, MTR², Min Xu, Ph.D¹, Kun Yang, MD², Jayne Reynolds, BA², Heather G Cameron, MPH² and Erica E. Marsh, MD, MSCI, FACOG¹, ¹University of Michigan, Ann Arbor, MI, ²Reproductive Endocrinology and Infertility, University of Michigan, Ann Arbor, MI
- P-600 NITRIC OXIDE SYNTHASE AND AGE RELATED INFERTILITY: THE ROLE OF ARGINASE II.** Charalampos Chatzicharalampous, MD, PhD, David Bai, BS, Sana Khan, MD, Robert Morris, MD and Husam M. Abu-Soud, PhD, Wayne State University, C.S. Mott Center for Human Growth and Development, Detroit, MI
- P-601 INFLAMMATORY MACROPHAGES DERIVED EXOSOMAL MIR-222 PROMOTED THECA CELL STEROIDOGENESIS BY MODULATING MYLIP EXPRESSION.** Xing Yang, Ph.D., Linzhi Gao, Master degree and Lina Wei, Ph.D., The Sixth Affiliated Hospital of Sun Yat-sen University, Guangzhou, China
- P-602 SIMILAR TO RETINOIC ACID, HYPEROSMOTIC STRESS INDUCES EXPRESSION OF A 2-CELL LIKE SUBSET OF PLURIPOTENT STEM CELLS WHILE ALSO INDUCING A SUBSET OF DIFFERENTIATED 1ST LINEAGE CELLS.** Elizabeth E Puscheck, MD, MS, MBA¹, Sudipta Dutta, Ph.D.², Mohammed Abdulkareem Abdulhasan, Ph.D.³, Katherine Gurdziel, Ph.D.², Steven J Korzeniewski, Ph.D.⁴, Douglas Ruden, Ph.D.² and Daniel Rappolee, Ph.D.⁴, ¹InVia Fertility, Hoffman Estates, IL, ²Wayne State University, Detroit, MI, ³Reproductive Stress 3M, Inc., Grosse Pointe Farms, MI, ⁴Wayne State University School of Medicine, Detroit, MI
- P-603 THE HUMAN ENDOGENOUS RETROVIRUS ERVW-1 REGULATES TROPHOBLAST STEM CELL PROLIFERATION.** Rachel C West, PhD¹, William B Schoolcraft, MD², Rebecca L. Krisher, PhD² and Ye Yuan, PhD², ¹CCRM Colorado, Lone Tree, CO, ²Colorado Center for Reproductive Medicine, Lone Tree, CO
- P-604 HYALURONIDASE INHIBITS MIDKINE IN CUMULUS CELLS DURING OOCYTE DENUDATION.** Mine Ergüven, Assoc.Prof. Dr.¹ and Tülay İrez, Prof. Dr.², ¹Istanbul Aydın University, Faculty of Medicine, İstanbul, Turkey, ²Istanbul Yeniyüzyıl University, Faculty of Medicine, İstanbul, Turkey
- P-605 SINGLE CELL RNA-SEQ ANALYSIS OF THE HUMAN FALLOPIAN TUBE.** Nicole D Ulrich, MD¹, Yu-chi Shen, Ph.D.², Qianyi Ma,

POSTER PRESENTATIONS

PhD², Kun Yang, MD¹, Erica E. Marsh, MD, MSCI, FACOG², Jun Z Li, Ph.D.² and Sue Hammoud, Ph.D.², ¹Reproductive Endocrinology and Infertility, University of Michigan, Ann Arbor, MI, ²University of Michigan, Ann Arbor, MI

P-606 NOVEL CAPA-IVM USING DIBUTYRYL-cAMP (DBCAMP) AND C-TYPE NATRIURETIC PEPTIDE (CNP): BOVINE MODEL STUDY FOR HUMAN IVM OF OOCYTES. Nami Morishita, Ph.D., Kana Shibata, B.A., Rie Matsunaga, M.A., Masanori Ochi, Ph.D. and Toshitaka Horiuchi, Ph.D., OCHI YUME CLINIC NAGOYA, Nagoya, Japan

P-607 LIVE MORPHOLOGY IMAGING IS A BETTER APPROACH FOR OBSERVING SPERM HEAD OSMOLALITY-INDUCED MORPHOLOGICAL CHANGES COMPARED WITH DIFF-QUIK STAINING METHOD. George C. Hsu, MSc¹, Ming-Hsun Wu, MSc, MBA², Miao O Chien, MBA², Han-Ching Tsai, MSc¹ and Cheng-Teng Hsu, PhD¹, ¹Bonraybio Co., Ltd., Taichung City, Taiwan, ²Min-Sheng General Hospital, Taoyuan City, Taiwan

P-608 IN YOUNG WOMEN WITH POOR OVARIAN RESPONSE (POR), MICRORNA EXPRESSION IN PERIPHERAL BLOOD MONONUCLEAR (PBMN) CELLS IS ALTERED COMPARED TO NORMO-RESPONDER CONTROLS. Mauro Cozzolino, MD¹, Shiny Titus, PhD², Sonia Herraiz, Ph.D.³, Antonio Pellicer, MD³, Richard Thomas Scott Jr., MD⁴ and Emre Seli, M.D.¹, ¹Yale School of Medicine, New Haven, CT, ²Foundation for Embryonic Competence, Basking Ridge, NJ, ³IVIRMA Foundation, Valencia, Spain, ⁴IVI RMA New Jersey, Basking Ridge, NJ

P-609 MATERNAL-TO-ZYGOTIC TRANSITION-RELATED MICRO RNAs ARE INCREASED IN BLASTOCYST CULTURE MEDIUM. Amber M Klimczak, MD¹, Shiny Titus, PhD², Nola S Herlihy, MD³, Brent M Hanson, MD³, Julia G Kim, MD, MPH³, Emily K Osman, MD³, Ashley W Tiegs, MD³, Richard Thomas Scott Jr., MD³ and Emre Seli, M.D.³, ¹IVI-RMA New Jersey, Basking Ridge, NJ, ²Foundation for Embryonic Competence, Basking Ridge, NJ, ³IVI RMA New Jersey, Basking Ridge, NJ

P-610 APPLICATION OF OMNI-ATAC TO PROFILE CHROMATIN ACCESSIBILITY BEFORE AND

AFTER OVARIAN TISSUE CRYOPRESERVATION. Jennifer Shannon, MD, Orhan Bukulmez, MD, Zexu Jiao, MD/PhD, Aishwarya Sundaresan, MS, Sarah M Capelouto, MD, Kaitlin Doody, MD, Bruce R Carr, MD and Laura Banaszynski, PhD, UT Southwestern Medical Center, Dallas, TX

P-611 PROGRAMMED MITOPHAGY IS ESSENTIAL FOR THE GLYCOLYSIS SWITCHING DURING SENEESCENCE IN HUMAN CUMULUS CELLS. Kuan-Hao Tsui, M.D; Ph.D and Chia-Jung Li, Ph.D, Department of Obstetrics and Gynecology, Kaohsiung Veterans General Hospital, Kaohsiung, Taiwan

P-612 CASE REPORT: RNASEQ ANALYSIS OF BLASTOCOEL FLUID FROM EUPLOID EMBRYOS ORIGINATING FROM THE SAME PATIENT RESULTING IN DIFFERENT IMPLANTATION OUTCOMES REVEAL ALTERED EXPRESSION OF GENES ASSOCIATED WITH DEUBIQUITINATION PATHWAY. Laura Grace Wolfe, B.S.¹, Arnav Lal, -², Trevor Shull, B.S.¹, Addison Paige Brandt, B.A.¹, Carson M Collins, na¹, Sammy K Khalil, n/a¹, Shawn Zimmerman, PhD, HCLD³, T. Arthur Chang, PhD, HCLD, ELD⁴, Randal D Robinson, MD⁵, J. David Winger, PhD, HCLD⁶, William E. Roudebush, PhD, HCLD¹ and Renee J. Chosed, PhD¹, ¹University of South Carolina School of Medicine Greenville, Greenville, SC, ²University of Pennsylvania, Philadelphia, SC, ³Vios Fertility Institute, Swansea, SC, ⁴University of Texas Health Science Center, San Antonio, TX, ⁵University of Texas Health Science Center San Antonio, San Antonio, SC, ⁶Atlantic Reproductive Medicine Specialists, Raleigh, SC

P-613 IS IMMUNOGLOBULIN IgE RELEVANT FOR PREGNANCY LOSS? David H Barad, MD, MS¹, Sarah K Darmon, PhD¹, David F Albertini, PhD, MS¹, Emanuela Molinari, PhD¹ and Norbert Gleicher, MD², ¹Center for Human Reproduction, New York, NY, ²Center for Human Reproduction, Foundation for Reproductive Medicine, Rockefeller University, Medical University Vienna, New York, NY

P-614 ALTERED EXPRESSION OF GENES INVOLVED IN JAK-STAT, ADIPOCYTOKINE AND TOLL-LIKE RECEPTOR SIGNALING PATHWAYS ARE DETECTED IN BLASTOCOEL FLUID

POSTER PRESENTATIONS

CONDITIONED MEDIA FROM EUPLOID EMBRYOS WITH POSITIVE IMPLANTATION OUTCOMES.

Amnav Lal, ⁻¹, Laura Grace Wolfe, B.S.², Trevor Shull, B.S.², Addison Paige Brandt, B.A.², Carson M Collins, na², Sammy K Khalil, n/a², Shawn Zimmerman, PhD, HCLD³, T. Arthur Chang, PhD, HCLD, ELD⁴, Randal D Robinson, MD⁵, J. David Winger, PhD, HCLD⁶, William E. Roudebush, PhD, HCLD², Alyssa Clay-Gilmour, PhD⁷ and Renee J. Chosed, PhD², ¹University of Pennsylvania, Philadelphia, SC, ²University of South Carolina School of Medicine Greenville, Greenville, SC, ³Vios Fertility Institute, Swansea, SC, ⁴University of Texas Health Science Center, San Antonio, TX, ⁵University of Texas Health Science Center San Antonio, San Antonio, SC, ⁶Atlantic Reproductive Medicine Specialists, Raleigh, SC, ⁷University of South Carolina Arnold School of Public Health, Greenville, SC

P-615 KIDNEY TRANSPLANT AND FERTILITY: A RETROSPECTIVE STUDY ON RECIPIENT WOMEN AND LIVING DONORS.

Rocío Soledad Iazzo, BSc¹, Alejandro Gustavo Martinez, PhD², Marcela Claudia Irigoyen, MD², Graciano Tessari, MD² and Carlos H Díaz, MD³, ¹Procreate, Buenos Aires, Argentina, ²Fertilis, Buenos Aires, Argentina, ³CEMIC, Buenos Aires, Argentina

P-616 EFFECT OF IL-6 AND TNF ALPHA ON INVASION OF EPITHELIAL AND STROMAL ENDOMETRIAL CELLS IN AN *IN VITRO* MODEL OF HUMAN PERITONEUM.

Katherine E Kostroun, MD, Jennifer F Knudtson, MD, Jennifer Teague, BS, Mubeen Sultana, BS, Rajeshwar Rao Tekmal, PhD and Robert S Schenken, MD, University of Texas Health Science Center San Antonio, San Antonio, TX

P-617 MITOQ SHIFTS ENERGY METABOLISM TO INCREASE BIOGENESIS IN HUMAN GRANULOSA CELLS.

Li-Te Lin, PhD¹, Chia-Jung Li, Ph.D² and Kuan-Hao Tsui, M.D; Ph.D², ¹Kaohsiung Veterans General Hospital, Kaohsiung City, Taiwan, ²Department of Obstetrics and Gynecology, Kaohsiung Veterans General Hospital, Kaohsiung, Taiwan

GENETICS

P-618 MITOCHONDRIAL DNA QUANTITY AND SEQUENCE VARIATION IN HUMAN CUMULUS CELLS ARE ASSOCIATED WITH PATIENT BMI BUT NOT AGE OR ASSISTED REPRODUCTION OUTCOMES.

Kishlay Kumar, PhD¹, Marta Venturas, MSc², Dan Needleman, Ph.D.², Catherine Racowsky, PhD³ and Dagan Wells, Ph.D.⁴, ¹University of Oxford, Oxford, United Kingdom, ²Harvard University, Cambridge, MA, ³Brigham and Women's Hospital, Boston, MA, ⁴Juno Genetics, Oxford, United Kingdom

P-619 PATERNAL SEGMENTAL CHROMOSOME CONFUSION.

Susanna McReynolds, PhD, Lauren Henry, BS, Nathan McCubbin, BS, Rachel S Mann, BS, MS, Rachel Tucci, BS, Sue McCormick, BS, William B Schoolcraft, MD and Mandy G Katz-Jaffe, PhD, Colorado Center for Reproductive Medicine, Lone Tree, CO

P-620 INCREASED CONCORDANCE RATES BETWEEN EMBRYO CELL-FREE DNA AND TROPHECTODERM BIOPSIES ARE RELATED TO FEMALE AGE INDEPENDENTLY OF CULTURE CONDITIONS.

Carmen Rubio, PhD¹, Luis Navarro-Sánchez, PhD¹, Carmen Maria García-Pascual, PhD¹, Olcay Ocali, BS², Danilo Cimadomo, PhD³, William Venier, MSc, ELD (ABB)⁴, Gerardo Barroso, MD⁵, Laura J Kopcow, MD⁶, Mustafa Bahçeci, MD⁷, Lourdes López-Yañez, MD, PhD⁸, Marcos Kulmann, MSc⁹, Emilio De La Fuente, MSc¹, Roser Navarro, MSc¹, Diana Valbuena, MD, PhD¹, Denny Sakkas, PhD², Laura Francesca Rienzi, MSc³ and Carlos Simón, MD, PhD¹⁰, ¹Igenomix, Paterna (Valencia), Spain, ²Boston IVF, Waltham, MA, ³GENERA, Center for Reproductive Medicine, Rome, Italy, ⁴San Diego Fertility Center, San Diego, CA, ⁵Nascere, Mexico City, DF, Mexico, ⁶Pregna Medicina Reproductiva, Buenos Aires, Argentina, ⁷Bahçeci Health Group-Fulya IVF Centre, Istanbul, Turkey, ⁸ProcreaTec, Madrid, Spain, ⁹Nilo Frantz Reproductive Medicine, Porto Alegre, Brazil, ¹⁰Professor University of Valencia, INCLIVA, Founder and Head of the Scientific Advisory Board, Igenomix, Paterna (Valencia), Spain

POSTER PRESENTATIONS

- INCREASE WITH ADVANCING PATERNAL AGE?** Katrina Merrion, MS, Dusan Kijacic, MS and Michelle Kiehl, MS, Natera, Inc., CA
- P-622 INCREASED USE OF EXPANDED CARRIER SCREENING (ECS) GENETIC PANELS IDENTIFY MANY TYPES OF FACTOR XI VARIANTS: WHAT DO WE DO WITH THIS INFORMATION FOR INFERTILITY PATIENTS?** Jacquelyn Shaw, MD¹, Andria G Besser, MS, CGC², Orah Yvonne Salamah, BSN, RN² and James A Grifo, MD, PhD³, ¹NYU Lagnone Fertility Center, New York, NY, ²New York University Langone Fertility Center, New York, NY, ³NYU Langone Prelude Fertility Center, New York, NY
- P-623 AN EVIDENCE-BASED EVALUATION OF GUIDELINES CRITERIA FOR CONDITION INCLUSION ON ECS PANELS: IDENTIFYING A GUIDELINES-COMPLIANT PANEL.** Katie Johansen Taber, PhD, Raul Torres, PhD, Rotem Ben-Shachar, PhD, Aishwarya Arjunan, MS, MPH, CGC and Jim Goldberg, MD, Myriad Women's Health, South San Francisco, CA
- P-624 HOW EFFECTIVE IS UNIVERSAL CARRIER SCREENING TO ENCOMPASS TURKISH POPULATION MUTATION PROFILE?** Suleyman Aktuna, PhD¹, Volkan Baltaci, MD, PhD², Evrim Unsal, Assoc Prof³, Leyla Ozer, MD, PhD¹ and Merve Polat, PhD¹, ¹Yuksekt Ihtisas University, Ankara, Turkey, ²Yozgat Bozok University, Yozgat, Turkey, ³cinnah caddesi 47/1, ankara, Turkey
- P-625 STRUCTURAL AND GENOMIC CHARACTERIZATION OF GLOBOZOOSPERMIC MEN.** Alessandra Parrella, M.Sc., Philip Xie, B.S., Stephanie Cheung, B.S., Danielle Rebecca Tavares, B.A., Brianne Barker, B.S., Zev Rosenwaks, M.D. and Gianpiero D. Palermo, M.D., Ph.D., The Ronald O. Perelman and Claudia Cohen Center for Reproductive Medicine, Weill Cornell Medicine, New York, NY
- P-626 HUMAN GROWTH HORMONE (GH) AND EMBRYONIC CHROMOSOMAL CHANGES: WHAT WE CAN EXPECT.** Michelle Nagai, MD¹, Larissa Matsumoto, MD¹, Mariana Moraes Piccolomini, MS², Orcar Duarte, MD³, Edson G Lo Turco, PhD⁴, Carolina Rebello Costa, MD¹, Ekaterini koutsantonis Pires, MD¹, Fernanda Imperial Granjo, MD¹, Lucas Yamakami, MD⁵ and Eduardo Hideki Miyadahira, MD¹, ¹MD, São Paulo, Brazil, ²Senior Embryologist, São Paulo, Brazil, ³Clinical Chief in Lab For Life Laboratory, São Paulo, Brazil, ⁴IonMedicine - Precision Medicine, Sao Paulo, Brazil, ⁵Clinical Chief, São Paulo, Brazil
- P-627 PRENATAL GENETIC DIAGNOSTICS FOR FAMILIES WITH MITOCHONDRIAL DNA DISEASE.** Amy Koski, BA¹, Nuria Marti-Gutierrez, PhD¹, Eunju Kang, PhD², Hayley Darby, MS¹, Ying Li, MS¹, Crystal Van Dyken, BS¹, Aleksei Mikhailchenko, PhD¹, Dan Liang, PhD¹, Hong Ma, PhD¹, Sally Shields, BSN³, Paula Amato, MD¹ and Shoukhrat Mitalipov, PhD¹, ¹Oregon Health & Science University, Portland, OR, ²ASAN Medical Center, Seoul, Korea, Republic of (South), ³Medical University of South Carolina, Charleston, SC

POSTER PRESENTATIONS

Tuesday, October 20, 2020

POSTER SESSIONS

PD4-01 POSTER SESSION: MALE REPRODUCTION

- P-628 CLARIFYING THE RELATIONSHIP BETWEEN TOTAL MOTILE SPERM COUNTS (TMSC) AND INTRAUTERINE INSEMINATION (IUI) PREGNANCY RATES.** Akhil Muthigi, MD¹, Samad Jahandideh, PhD², Lauren A Bishop, MD³, Firoozeh K Naeemi, Bs², Sharon K Shipley, MS⁴, Jeanne E O'Brien, MD, MSc², Paul Shin, MD², Kate Devine, MD² and Cigdem Tanrikut, MD², ¹MedStar Georgetown University Hospital, Washington, DC, ²Shady Grove Fertility Center, Rockville, MD, ³NIH, Bethesda, MD, ⁴Shady Grove Fertility Center, Rockville, MD
- P-629 FOXO4-DRI ALLEVIATES AGE-RELATED TESTOSTERONE SECRETION INSUFFICIENCY VIA TARGETING SENESCENT LEYDIG CELLS IN AGED MICE.** Guihua Liu, Ph.D.¹, Xing Yang, Ph.D.¹ and Tingting Li, Doctor², ¹The Sixth Affiliated Hospital of Sun Yat-sen University, Guangzhou, China, ²Reproductive Medicine Research Center, Sixth Affiliated Hospital of Sun Yat-sen University, Guangzhou, China
- P-630 THE PUBLICATION FATE OF MALE FERTILITY ABSTRACTS PRESENTED AT THE ANNUAL MEETINGS OF THE AMERICAN SOCIETY FOR REPRODUCTIVE MEDICINE.** Kevin Xie, BA¹, Sarah M Brink, MD² and David Shin, MD³, ¹Sidney Kimmel Medical College at Thomas Jefferson University, Philadelphia, PA, ²Hackensack University Medical Center, Hackensack, NJ, ³Hackensack Meridian School of Medicine at Seton Hall University, Nutley, NJ
- P-631 TRANSPLANTATION OF HUMAN URINE-DERIVED STEM CELLS AMELIORATES ERECTILE FUNCTION AND CAVERNOSAL ENDOTHELIAL FUNCTION BY PROMOTING AUTOPHAGY OF CORPUS CAVERNOSAL ENDOTHELIAL CELLS IN DIABETIC ERECTILE DYSFUNCTION RATS.** Guihua Liu, Ph.D.¹, Xing Yang, Ph.D.¹ and Tingting Li, Doctor², ¹The Sixth Affiliated Hospital of Sun Yat-sen University, Guangzhou, China, ²Reproductive Medicine Research Center, Sixth Affiliated Hospital of Sun Yat-sen University, Guangzhou, China
- P-632 TRENDS IN TESTOSTERONE THERAPY.** Jesse Ory, MD¹, Josh Theodore White, MD¹, Jonathan Moore, MD, FRCSC² and John Grantmyre, MD, FRCSC¹, ¹Dalhousie University, Halifax, NS, Canada, ²Mayo Clinic Arizona, Phoenix, AZ
- P-633 TARGETED ICSI TREATMENT IN GLOBOZOOSPERMIC MEN ACCORDING TO SPERM PLCZ CONTENT.** Alessandra Parrella, M.Sc., Danielle Rebecca Tavares, B.A., Philip Xie, B.S., Stephanie Cheung, B.S., Zev Rosenwaks, M.D. and Gianpiero D. Palermo, M.D., Ph.D., The Ronald O. Perelman and Claudia Cohen Center for Reproductive Medicine, Weill Cornell Medicine, New York, NY
- P-634 IMPACT OF METABOLIC AGE ON SEXUAL AND ANDROGENIC FUNCTION IN YOUNG PATIENTS.** Ahmad Majzoub, MD, Haitham Elbardisi, MD, Kareim Khalafalla, MD, Sami Alsaid, MD and Mohamed Arafa, MD, Hamad Medical Corporation, Doha, Qatar
- P-635 DOES SPERM TOTAL NORMAL MOTILE COUNT IMPACT PGT-A AND IVF OUTCOMES?** Christopher P. Moutos, MD¹, William G. Kearns, PhD², Sarah E. Farmer, MS³, Jon P. Richards, MS³, Antonio F. Saad, MD¹ and John R. Crochet Jr., MD³, ¹University of Texas Medical Branch, Galveston, TX, ²AdvaGenix, Johns Hopkins University School of Medicine, Rockville, MD, ³Center of Reproductive Medicine, Houston, TX
- P-636 NOVEL TREATMENT FOR SPERM CAPACITATION IMPROVES EMBRYO DEVELOPMENT IN MOUSE INTRACYTOPLASMIC SPERM INJECTION (ICSI).** Melissa Paziuk, AS, Felipe Navarrete, PhD and Kathleen Seyb, PhD, Ohana Biosciences, Cambridge, MA

POSTER PRESENTATIONS

- P-637** **INSIGHTS IN THE MECHANISMS OF DEFECTIVE SPERM MATURATION IN INFERTILE MEN USING A COMPARATIVE PROTEOMICS APPROACH.** Manesh Kumar Panner Selvam, PhD¹, Luna Samanta, PhD² and Ashok Agarwal, PhD¹, ¹American Center for Reproductive Medicine, Cleveland Clinic, Cleveland, OH, ²Redox Biology Laboratory, Department of Zoology, Ravenshaw University, Cuttack, Odisha, India
- P-638** **COMPARING EUPLOIDY IN TESE, MESA, AND EJACULATE FROM PATIENTS WITH AND WITHOUT MALE FACTOR INFERTILITY.** Isaac J. Chamani, M.D.¹, David H. McCulloh, Ph.D.², Bobby B Najari, MD MSc³ and Frederick L. Licciardi, M.D.⁴, ¹NYU School of Medicine, New York, NY, ²NYU Langone Fertility Center, New York, NY, ³New York University School of Medicine, New York, NY, ⁴NYU Langone Health, New York, NY
- P-639** **USING GENE EXPRESSION PROFILES OF EJACULATES OF NOA MEN TO HELP PREDICT SUCCESSFUL TESTICULAR SPERM RETRIEVAL.** Brianne Barker, B.S., Alessandra Parrella, M.Sc., Zev Rosenwaks, M.D. and Gianpiero D. Palermo, M.D., Ph.D., The Ronald O. Perelman and Claudia Cohen Center for Reproductive Medicine, Weill Cornell Medicine, New York, NY
- P-640** **A NOVEL ONLINE SYSTEM LINKING AT-HOME SMARTPHONE SEMEN TESTS WITH EMBRYOLOGISTS.** Yoshitomo Kobori, MD, PhD, Akiyoshi Osaka, MD, Toshiyuki Iwahata, MD, PhD, Kei-ichiro Uemura, MD, PhD and Hiroshi Okada, MD, PhD, Dokkyo Medical University Saitama Medical Center, Koshigaya, Japan
- P-641** **EPIGENETIC EFFECT OF ABSTINENCE TIME ON THE REPRODUCTIVE POTENTIAL OF INFERTILE MEN.** Brianne Barker, B.S., Alessandra Parrella, M.Sc., Sherina Lawrence, B.S., Zev Rosenwaks, M.D. and Gianpiero D. Palermo, M.D., Ph.D., The Ronald O. Perelman and Claudia Cohen Center for Reproductive Medicine, Weill Cornell Medicine, New York, NY
- P-642** **MALE INFERTILITY DIAGNOSES AMONG PATIENTS WHO USED ASSISTED REPRODUCTIVE TECHNOLOGY IN THE UNITED STATES, 2016-2018.** Amy Jewett, MPH¹, Lee Warner, PhD², James M Dupree, M.D., M.P.H.³, Stan Honig, MD⁴, AJ Nangia, MBBS⁵, Michael L Eisenberg, M.D.⁶, Jennifer F Kawwass, MD⁷, James Hotaling, MD⁸, Akanksha Mehta, M.D., M.S.⁹ and Dmitry M Kissin, MD, MPH¹, ¹Centers for Disease Control and Prevention, Chamblee, GA, ²Centers for Disease Control and Prevention, Atlanta, GA, ³University of Michigan, Ann Arbor, MI, ⁴Yale University, New Haven, CT, ⁵University of Kansas Medical Center, Kansas City, NY, ⁶Stanford University, Stanford, CA, ⁷Emory University (Emory GYN / OB, Emory Reproductive Center), Atlanta, GA, ⁸University of Utah School of Medicine Andrology and IVF Laboratories, Salt Lake City, UT, ⁹1365 Clifton Road NE, Building B, Atlanta, GA
- P-643** **UTILIZATION OF PREIMPLANTATION GENETIC DIAGNOSIS IN MEN WITH Y-CHROMOSOME MICRODELETION.** Danielle Velez, MD, William T Berg, MD, Rachel Morgan Greenberg, MD, Tsikata Yaovi Apenyo, BS, Mark Sigman, MD and Gabriella Avellino, MD, Brown University, Providence, RI
- P-644** **PREDICTORS OF CHANGES IN SEMEN PARAMETERS IN MEN WHO RECEIVED NATESTO IN AN OPEN-LABEL SINGLE CENTER CLINICAL TRIAL.** Ruben Blachman-Braun, M.D., M.Sc.¹, Thomas A Masterson III, MD¹ and Ranjith Ramasamy, MD², ¹University of Miami Miller School of Medicine, Miami, FL, ²University of Miami, Miami, FL
- P-645** **SPERM DNA FRAGMENTATION INDEX AND HIGH DNA STAINABILITY DO NOT INFLUENCE PREGNANCY ACHIEVEMENT FOLLOWING ICSI.** Ruben Blachman-Braun, M.D., M.Sc.¹, Jordan C Best, B.S.¹, Victor Sandoval, M.D.², Soum D Lokeshwar, BS, MD, MBA¹, Premal Patel, M.D.³, Taylor P Kohn, MD, MPhil⁴, Elaine de Quadros, DHSc⁵, Michael H Jacobs, M.D.⁵ and Ranjith Ramasamy, M.D.¹, ¹University of Miami Miller School of Medicine, Miami, FL, ²Hospital Valentin Gomez Farias, Universidad de Guadalajara, Zapopan, JA, Mexico, ³University of Manitoba, Winnipeg, Mexico, ⁴Johns Hopkins University School of Medicine, Baltimore, Mexico, ⁵Fertility and IVF Center of Miami, Miami, FL
- P-646** **CAN REACTIVE OXYGEN SPECIES (ROS) ESTIMATION PREDICT FERTILISATION RATES AND LIVE BIRTH RATES IN OBSTRUCTIVE AZOOSPERMIC MEN WITH SPERMATOCELE**

POSTER PRESENTATIONS

? Ratnaboli Bhattacharya, MD, DNB, FNB, MRCOG¹, Ratna Chattopadhyay, MBBS, PhD², Kanad Dev Nayar, M.D., DGO., FICOG¹, Sanghamitra Ghosh, MBBS², Gunja Bose, MSc² and Shovandeb Kalapahar, MS, DNB, FNB², ¹Akanksha IVF Centre, Delhi, India, ²Institute of Reproductive Medicine, Kolkata, India

P-647 RAISED SPERM DNA FRAGMENTATION –RANDOMISED CONTROLLED TRIAL OF MACS VS TESA TO OPTIMISE REPRODUCTIVE OUTCOMES. Krishna Mantravadi Sr., MBBS, PGDHOM, Masters in clinical embryology¹, Durga Rao Gedela, MBBS, DGO, MRCOG, fellowship in infertility and reproductive endocrinology² and Sandeep Karunakaran Sr., MBBS, MS², ¹Oasis fertility, Hyderabad, India, ²oasis fertility, Hyderabad, India

P-648 SPERM RETRIEVAL RATES AND PREGNANCY OUTCOMES IN MEN WITH KLINEFELTER SYNDROME. Nahid Punjani, MD MPH¹, Ryan Flannigan, MD², Kathleen Hart, BSN RN MA¹ and Peter N Schlegel, M.D.¹, ¹Weill Cornell Medicine, New York Presbyterian Hospital, New York, NY, ²University of British Columbia, Vancouver, BC, Canada

P-649 UNDERSTANDING MOLECULAR MECHANISMS ASSOCIATED WITH INFERTILITY IN MEN WITH LOW LEVELS OF SEMINAL REACTIVE OXYGEN SPECIES THROUGH COMPARATIVE PROTEOMICS. Manesh Kumar Panner Selvam, PhD¹, Luna Samanta, PhD² and Ashok Agarwal, PhD¹, ¹American Center for Reproductive Medicine, Cleveland Clinic, Cleveland, OH, ²Redox Biology Laboratory, Department of Zoology, Ravenshaw University, Cuttack, Odisha, India

P-652 OOCYTE ABILITY TO REPAIR SPERM DNA FRAGMENTATION: THE EFFECT OF MATERNAL AGE ON ICSI OUTCOMES. Assumpto laconelli Jr., MD¹, Daniela Paes de Almeida Ferreira Braga, PhD¹, Amanda Souza Setti, MSc¹, Rodrigo Rosa Provenza Sr., BSc², Joana Nogueires Simas, MSc³ and Edson Borges Jr., PhD¹, ¹Fertility Medical Group / Sapientiae Institute, Sao Paulo, Brazil, ²Fertility Medical Group, São Paulo, Brazil, ³Sapientiae Institute, São Paulo, Brazil

P-653 VALIDATION OF LensHooke™ X1 PRO AND COMPUTER-ASSISTED SEMEN ANALYZER COMPARED WITH LABORATORY-BASED

MANUAL SEMEN ANALYSIS. Ashok Agarwal, PhD¹, Manesh Kumar Panner Selvam, PhD¹, Li-Sheng Chang, PhD², Fang-Zong Wang, MSc² and Cheng-Teng Hsu, PhD², ¹American Center for Reproductive Medicine, Cleveland Clinic, Cleveland, OH, ²Bonraybio Co., Ltd, Taichung City, Taiwan

P-654 THE INFLUENCE OF VARICOCELE AND MICROSURGICAL VARICOCELECTOMY ON SEMEN QUALITY: A UHPLC-QE-MS UNTARGETED METABOLIC ANALYSIS. Xinzong Zhang, MD¹, Cuncan Deng, MD¹, Wujiang Liu, MD², Xiaohua Liu, MD², Huang Liu, MD³, Yu Zhou, MD², Tao Pang, dr⁴, Qingguo Zhao, MD² and Yunge Tang, Master degree³, ¹Family Planning Special Hospital of Guangdong Province, Guangzhou, China, ²Family Planning Research Institute of Guangdong Province, Guangdong, China, ³Family Planning Research Institute of Guangdong Province, Guangzhou, China, ⁴Family Planning Research Institute of Guangdong Province, Guangzhou, China

P-655 INFERTILITY INSURANCE: WHAT COVERAGE EXISTS FOR RESIDENTS AND FELLOWS? Wade Muncey, MD, Erin Jesse, MD, Aram Loeb, MD and Nannan Thirumavalavan, MD, Case Western Reserve University - University Hospitals Cleveland Medical Center, Cleveland, OH

P-656 SPERM RETRIEVAL RATES AND PREGNANCY OUTCOMES IN MEN WITH AZF DELETIONS. Nahid Punjani, MD MPH¹, Ryan Flannigan, MD², Kathleen Hart, BSN RN MA¹ and Peter N Schlegel, M.D.¹, ¹Weill Cornell Medicine, New York Presbyterian Hospital, New York, NY, ²University of British Columbia, Vancouver, BC, Canada

P-657 FRESH MICRODISSECTION TESTICULAR SPERM EXTRACTION RESULTS IN A HIGHER RETRIEVAL RATE OF SPERM ACCEPTABLE FOR ICSI COMPARED TO FROZEN-THAWED MICRODISSECTION TESTICULAR SPERM EXTRACTION. Darren J Bryk, MD¹, Scott Lundy, MD PhD², Nicholas J. Farber, MD³, Neel Parekh, MD¹, Nina Desai, Ph.D., HCLD⁴, Edmund Sabanegh Jr., MD² and Sarah C. Vij, MD¹, ¹Cleveland Clinic, Cleveland, OH, ²Cleveland Clinic Foundation, Cleveland,

POSTER PRESENTATIONS

- OH, ³Glickman Urological and Kidney Institute, Cleveland Clinic, Cleveland, OH, ⁴Cleveland Clinic, Beachwood, OH
- P-658** **PATIENT DESIRE FOR DISPOSITION OF CRYOPRESERVED SPERM UPON DEATH AS A SURROGATE MARKER FOR LIKELIHOOD OF CONSENT FOR POSTHUMOUS SPERM RETRIEVAL.** Brooke A Harnisch, MD¹, Dylan M Buller, MD¹, Vikram Lyall, BS¹, Michael E Goltzman, MD¹ and Stan Honig, MD², ¹University of Connecticut, Farmington, CT, ²Yale University, New Haven, CT
- P-659** **THE RELATIONSHIP BETWEEN MEDICAL TREATMENT MODALITIES FOR MALE HYPOGONADISM AND ICSI OUTCOMES.** Brent M Hanson, MD¹, Philip J Cheng, MD¹, Julia G Kim, MD, MPH¹, Emily K Osman, MD¹, Ashley W Tiegs, MD¹, Nola S Herlihy, MD¹, Amber M Klimczak, MD¹, Richard Thomas Scott Jr., MD² and James Hotaling, MD³, ¹IVI-RMA New Jersey, Basking Ridge, NJ, ²IVI RMA New Jersey, Basking Ridge, NJ, ³University of Utah School of Medicine Andrology and IVF Laboratories, Salt Lake City, UT
- P-660** **DOES CONSULTATION BY A REPRODUCTIVE UROLOGIST (RU) VERSUS REPRODUCTIVE ENDOCRINOLOGIST (RE) IMPACT MALE PARTNER FERTILITY QUALITY OF LIFE (QOL)?** Rachel Blair Danis, MD¹, Jesse L Stone, MS², Infira Sriprasert, MD¹, Richard J Paulson, MD, MS³, Kristen Bendikson, MD¹, Jacqueline Ho, MD MS¹ and Mary Katherine Samplaski, MD¹, ¹University of Southern California, Los Angeles, CA, ²USC Fertility, Los Angeles, CA, ³Keck School of Medicine of the University of Southern California, Los Angeles, CA
- P-661** **ACCESS TO CARE FOR INFERTILE MEN: WEBSITE EDUCATIONAL CONTENT AMONG ASSISTED REPRODUCTIVE TECHNOLOGY (ART) CLINICS IN THE UNITED STATES.** Julie M Shabto, BA¹, Katherine Poulouse, BA¹, Mackenzie P Bennett, BS¹, Angel X Xiao, BSE, MSE¹, Heather S Hipp, MD¹, Akanksha Mehta, M.D., M.S.² and Jennifer F Kawwass, MD³, ¹Emory University School of Medicine, Atlanta, GA, ²1365 Clifton Road NE, Building B, Atlanta, GA, ³Emory University School of Medicine, Division of Reproductive Endocrinology and Infertility, Atlanta, GA
- P-662** **SPERM WITH VERY LOW MOTILE DENSITY (MD) MAY BE A CAUSE OF REDUCED CHANCE OF LIVE DELIVERY DESPITE TRANSFER OF NORMAL MORPHOLOGIC EMBRYOS.** Jerome H Check, M.D., Ph.D.¹, Carrie K Wilson, B.A.², Jung Choe, M.D.¹, Donna Summers, M.S.², Aniela Bollendorf, M.T.² and Diane L Check, BS, MT², ¹Cooper Medical School of Rowan University, Camden, NJ, ²Cooper Institute for Reproductive Hormonal Disorders, P.C., Mt. Laurel, NJ
- P-663** **IDENTIFYING THE BEST METHOD OF RETRIEVING SPERMATOZOA WITH THE HIGHEST GENOMIC INTEGRITY.** Danielle Rebecca Tavares, B.A., Alessandra Parrella, M.Sc., Philip Xie, B.S., Zev Rosenwaks, M.D. and Gianpiero D. Palermo, M.D., Ph.D., The Ronald O. Perelman and Claudia Cohen Center for Reproductive Medicine, Weill Cornell Medicine, New York, NY
- P-664** **ASSESSING SPERM RETRIEVAL AND PREGNANCY OUTCOMES IN RE-DO MTESE PROCEDURES AMONG MEN WITH NOA.** Nahid Punjani, MD MPH¹, Ryan Flannigan, MD², Kathleen Hart, BSN RN MA¹ and Peter N Schlegel, M.D.¹, ¹Weill Cornell Medicine, New York Presbyterian Hospital, New York, NY, ²University of British Columbia, Vancouver, BC, Canada
- P-665** **REPRODUCTIVE OUTCOMES OF COUPLES WITH SEVERE MALE FACTOR AND ADVANCED PATERNAL AGE.** Krishna Mantravadi Sr., MBBS, PGDHOM, Masters in clinical embryology¹, Gayathri Gedela, Master in Clinical Embryology¹, Vijay Kumar Sharanappa Sr., MBBS, MD, MCE², Shankhadeep Debnath, MSc Molecular Biology and Biotechnology¹, Rajesh Mani Raghupathy, MBBS, PGDCE¹, Durga Gedela Rao Sr., MRCOG¹ and Sandeep Karunakaran Sr., MS, PGDHM, PGDMLE¹, ¹Oasis fertility, Hyderabad, India, ²OASIS FERTILITY, Hyderabad, TELANGANA, India
- P-666** **OLDER AGE AND LOWER SPERM MOTILITY ARE ASSOCIATED WITH ELEVATED SPERM DNA FRAGMENTATION INDEX.** Jordan C Best, B.S.¹, Ruben Blachman-Braun, M.D., M.Sc.¹, Daniel Gonzalez, B.S.¹, Premal Patel, M.D.², Taylor P Kohn, MD, MPhil³ and Ranjith Ramasamy, MD⁴, ¹University of Miami Miller School of Medicine, Miami, FL, ²University of Manitoba,

POSTER PRESENTATIONS

- Winnipeg, Mexico, ³Johns Hopkins University School of Medicine, Baltimore, Mexico, ⁴University of Miami, Miami, FL
- P-667** **SPERM RETRIEVAL RATES BY MICRO-TESE VERSUS CONVENTIONAL TESE IN MEN WITH HISTOPATHOLOGY CONFIRMED NON-OBSTRUCTIVE AZOOSPERMIA: A SYSTEMATIC REVIEW.** Sandro C Esteves, M.D., Ph.D.¹ and Thairo Alves Pereira, MD.², ¹ANDROFERT & University of Campinas (UNICAMP), Campinas, Brazil, ²University of Campinas (UNICAMP), Campinas, Brazil
- P-668** **REPRODUCTIVE EFFECTS OF DIABETES, DYSLIPIDEMIA AND HYPERTENSION IN TESTICULAR SPERM EXTRACTION (TESE) WITH INTRACYTOPLASMIC SPERM INJECTION (ICSI) FROM VASECTOMIZED MALES.** Lorena Valls, M.D.¹, Irene Hervas, MSc², Jose Maria Martinez-Jabaloyas, M.D.³, Rocio Rivera-Egea, PhD³, Maria Gil Julia, MSc, MRes² and Nicolas Garrido, PhD⁴, ¹Hospital Clínico de Valencia, Valencia, Spain, ²IVI Foundation - IIS La Fe Biomedical Research Institute, Valencia, Spain, ³IVIRMA Valencia, Valencia, Spain, ⁴IVI Foundation - IIS La Fe Biomedical Research Institut, Valencia, Spain
- P-669** **A NEW METHOD FOR ACCURATE PREDICTION OF SPERMATOGENESIS: FSH/T AND T IN SEMINAL PLASMA.** Huang Liu, MD¹, Xinzong Zhang, Medical doctor², Houbin Zheng, dr³, Tao Pang, dr³, Yu Zhou, dr³, Cuncan Deng, MD¹ and Wujiang Liu, MD⁴, ¹Family Planning Research Institute of Guangdong Province, Guangzhou, China, ²National Health Council Key Laboratory of Male Reproduction and Genetics, Guangzhou, China, ³Family Planning Research Institute of Guangdong Province, Guangzhou, China, ⁴Family Planning Research Institute of Guangdong Province, Guangdong, China
- P-670** **TRPV1 AS A MODULATOR OF ROS-INDUCED SPERM FUNCTION AND ITS CORRELATION WITH PREGNANCY OUTCOME (NATURAL CONCEPTION AND ART).** Nirlipta Swain, M.Phil¹, Luna Samanta, Ph.D¹, Sujata Kar, MBBS MD DNB², Chandan Goswami, Ph.D³, Rakesh Kumar Majhi, Ph.D³ and Smriti Sanchita, B.S.⁴, ¹Redox Biology Laboratory, Department of Zoology, Ravenshaw University, Cuttack, Odisha, India, ²A-32, Unit-4, Kharvel Nagar, Bhubaneswar, India, ³School of Biological Sciences, National Institute of Science Education and Research, Jatni, Odisha, India, ⁴UCLA, Los Angeles, CA, India
- P-671** **AN EVALUATION OF SEMEN PARAMETERS IN MEN WITH CONFIRMED COVID-19 INFECTION.** Jordan C Best, B.S.¹, Manish Kuchakulla, B.S.¹, Thiago Fernandes Negris Lima, MD², Belén Mora, B.S.¹, Fabio Frech, B.S.¹, Justin K Achua, MS¹, Himanshu Arora, PhD¹, Emad Ibrahim, MD, HCLD(ABB)¹ and Ranjith Ramasamy, MD², ¹University of Miami Miller School of Medicine, Miami, FL, ²University of Miami, Miami, FL
- P-672** **IMPACT OF TESTICULAR DELIVERY AND VASAL VEIN LIGATION ON CLINICAL OUTCOMES IN MEN UNDERGOING MICROSURGICAL VARICOCELECTOMY.** Gal Wald, BA¹, Nahid Punjani, MD MPH¹, Christopher Gaffney, MD², Marc Goldstein, M.D.³ and James A Kashanian, MD⁴, ¹Weill Cornell Medicine, New York Presbyterian Hospital, New York, NY, ²Weill Cornell Medical College- New York Presbyterian Hospital, New York, NY, ³Center for Male Reproductive Medicine and Microsurgery, Weill Cornell Medicine, New York Presbyterian Hospital, New York, NY, ⁴Weill Cornell Medicine - New York Presbyterian Hospital, New York, NY
- P-673** **PREDICTORS OF DETERIORATION OF SEMEN PARAMETERS IN MEN TREATED WITH CLOMIPHENE CITRATE FOR INFERTILITY.** Christopher M Deibert, MD, MPH¹, Jacob T Pfeifer, BS² and Thomas Schroeder, BA², ¹University of Nebraska, Omaha, NE, ²University of Nebraska Medical Center, Omaha, NE
- P-674** **ANTIRETROVIRAL THERAPY IN HIV-POSITIVE MEN AND IVF OUTCOMES IN EGG DONATION PLUS SURROGACY PROGRAMS.** Diana Obidniak, Dr.¹, Alexander Gzgzan, Prof.², Dariko Niauri, Prof.² and Igor Kogan, Prof.³, ¹AVA-Peter, Saint-Petersburg, Russian Federation, ²Saint Petersburg State University, Saint-Petersburg, Russian Federation, ³FSBSI "The Research Institute of Obstetrics, Gynecology and Reproductology named after D.O. Ott", Saint-Petersburg, Russian Federation

POSTER PRESENTATIONS

- P-675 ASSOCIATION OF AGING AND OBESITY WITH DECREASED INTRATESTICULAR TESTOSTERONE.** Thiago Fernandes Negrís Lima, MD¹, Fabio Stefano Frech, BS², Ruben Blachman-Braun, M.D., M.Sc.², Evgeniya Rakitina, MS², Premal Patel, M.D.³, Ranjith Ramasamy, MD¹ and 17ohp, ¹University of Miami, Miami, FL, ²University of Miami Miller School of Medicine, Miami, FL, ³University of Manitoba, Winnipeg, MB, Canada
- P-676 TESTICULAR ULTRASOUND AS A PROGNOSTIC FACTOR FOR IMPROVEMENT IN SEMEN PARAMETERS AFTER VARICOCELECTOMY.** Vanessa Peña, BS¹, Taylor P Kohn, MD, MPhil², Yasin Bhanji, MD¹, Ridwan Alam, MD, MPH¹, James Liu, MD¹, Andrew T Gabrielson, MD¹, Matthew J Rabinowitz, BS¹ and Amin S Herati, MD³, ¹Johns Hopkins University School of Medicine, Baltimore, MD, ²Johns Hopkins University School of Medicine, Baltimore, Mexico, ³Johns Hopkins University School of Medicine, Baltimore, MD
- P-677 INTRACYTOPLASMIC SPERM INJECTION OUTCOME OF EJACULATED VERSUS TESTICULAR SPERM IN CRYPTOZOOSPERMIC MEN.** Sonia Mnallah, Dr, Mohamed Khrouf, Dr, Mariem ben Khelifa, PhD, Hanen Elloumi, Dr, Walid Kerkeni, Dr, Fethi Zhioua, Dr, Moncef Benkhalifa, PhD and Khaled Mahmoud, Dr, FERTILLIA center, Tunis, QC, Tunisia
- P-678 THE IMPACT OF TESTICULAR DELIVERY AND VASAL VEIN LIGATION ON SERUM TESTOSTERONE IN MEN UNDERGOING MICROSURGICAL VARICOCELECTOMY.** Nahid Punjani, MD MPH¹, Gal Wald, BA¹, Christopher Gaffney, MD², James A Kashanian, MD³ and Marc Goldstein, M.D.⁴, ¹Weill Cornell Medicine, New York Presbyterian Hospital, New York, NY, ²Weill Cornell Medical College- New York Presbyterian Hospital, New York, NY, ³Weill Cornell Medicine - New York Presbyterian Hospital, New York, NY, ⁴Center for Male Reproductive Medicine and Microsurgery, Weill Cornell Medicine, New York Presbyterian Hospital, New York, NY
- P-679 IS TESTICULAR SIZE DISCREPANCY ASSOCIATED WITH SEMEN PARAMETERS IN BOYS WITH VARICOCELES?** Justin M Dubin, MD¹, Belen Mora, BA¹, Nehizena S Aihie, MD¹, Laura Angulo-Llanos, MD¹, Thomas A Masterson III, MD¹ and Alireza Alam, MD², ¹University of Miami Miller School of Medicine, Miami, FL, ²Nicklaus Children's Hospital, Miami, FL
- P-680 PRESENCE OF VARICOCELE-ASSOCIATED PAIN DOES NOT PREDICT SEMEN ANALYSIS OUTCOMES FOLLOWING MICROSURGICAL REPAIR.** Nahid Punjani, MD MPH¹, Gal Wald, BA¹, Christopher Gaffney, MD², Marc Goldstein, M.D.³ and James A Kashanian, MD⁴, ¹Weill Cornell Medicine, New York Presbyterian Hospital, New York, NY, ²Weill Cornell Medical College- New York Presbyterian Hospital, New York, NY, ³Center for Male Reproductive Medicine and Microsurgery, Weill Cornell Medicine, New York Presbyterian Hospital, New York, NY, ⁴Weill Cornell Medicine - New York Presbyterian Hospital, New York, NY
- P-681 POSTWASH TOTAL MOTILE SPERM COUNT EFFECT ON PREGNANCY OUTCOMES IN INTRAUTERINE INSEMINATION.** Melissa A Mathes, MD, Elizabeth A Kastrick, MD and Stephanie Gustin, MD, The University of Nebraska Medical Center, Omaha, NE
- P-682 DOES MICROSURGICAL VARICOCELECTOMY IMPROVE CLINICAL OUTCOMES IN ALL VARICOCELE GRADES.** Gal Wald, BA¹, Nahid Punjani, MD MPH¹, Omar Al Hussein Alawamlh, MD¹, Vanessa L Dudley, MSHS² and Marc Goldstein, M.D.², ¹Weill Cornell Medicine, New York Presbyterian Hospital, New York, NY, ²Center for Male Reproductive Medicine and Microsurgery, Weill Cornell Medicine, New York Presbyterian Hospital, New York, NY
- P-683 URINE-DERIVED STEM CELLS DERIVED EXOSOMES FACILITATE ENDOGENOUS SPERMATOGENESIS RESTORATION OF BUSULFAN-INDUCED NON-OBSTRUCTIVE AZOOSPERMIA MICE.** Guihua Liu, Ph.D.¹, Xing Yang, Ph.D.¹ and Tingting Li, Doctor², ¹The Sixth Affiliated Hospital of Sun Yat-sen University, Guangzhou, China, ²Reproductive Medicine Research Center, Sixth Affiliated Hospital of Sun Yat-sen University, Guangzhou, China
- P-684 THE IMPACT OF ADVANCED MALE AGE ON ASSISTED REPRODUCTION PROCEDURES' OUTCOMES.** Bibiana Cunegatto, Msc¹,

POSTER PRESENTATIONS

- Marta Ribeiro Hentschke, MD, PhD¹, Claudio Teloken, MD, PhD¹, Alvaro Petracco, MD, PhD¹, Mariangela Badalotti, MD, MSc, PhD¹, Charles Francisco Ferreira, MSc, PhD², Ricardo Azambuja, DVM, PhD¹, Maria Teresa V Sanseverino, MD, PhD³ and Mirela Foresti Jimenez, MD, MSc⁴, ¹Fertilitat-Centro de Medicina Reprodutiva, Porto Alegre, Brazil, ²Federal University of Rio Grande do Sul, Porto Alegre, Brazil, ³Fertilitat, porto alegre, Brazil, ⁴UFRGS, PORTO ALEGRE, Brazil
- P-685 THE USE OF SERUM INHIBIN B TO ASSESS RECOVERY OF SPERMATOGENESIS IN MALES WITH HISTORY OF RECENT EXOGENOUS ANDROGEN EXPOSURE.** Kurt R Peterson, DO¹, Shane Russell, MD² and Julie Sroga Rios, MD³, ¹University of Cincinnati, Cincinnati, OH, ²The Urology Group/Male Reproductive Medicine, Cincinnati, OH, ³University of Cincinnati and Cincinnati Children's Hospital Medical Center, Cincinnati, OH
- P-686 IMPACT OF SPERM DNA FRAGMENTATION ON PRE- AND POST-WASH SEMEN SAMPLES AND PREGNANCY OUTCOME WITH INTRACYTOPLASMIC SPERM INJECTION.** Kareim Khalafalla, MD, Mohamed Arafa, MD, Haitham Elbardisi, MD, Hasan Burjaq, MSc, Moza Al Badr, MSc, Sami Alsaid, MD and Ahmad Majzoub, MD, Hamad Medical Corporation, Doha, Qatar
- P-687 TIME SINCE VASECTOMY, BUT NEITHER SMOKING NOR BODY MASS INDEX (BMI) INFLUENCE IN VASECTOMIZED MEN REPRODUCTIVE OUTCOMES UNDERGOING TESTICULAR SPERM EXTRACTION WITH INTRACYTOPLASMIC SPERM INJECTION (TESE-ICSI).** Nicolas Garrido, PhD¹, Lorena Valls, M.D², Irene Hervas, MSc³, Rocio Rivera-Egea, PhD⁴, Maria Gil Julia, MSc, MRes³ and Jose Maria Martinez-Jabaloyas, M.D⁴, ¹IVI Foundation - IIS La Fe Biomedical Research Institut, Valencia, Spain, ²Hospital Clínico de Valencia, Valencia, Spain, ³IVI Foundation - IIS La Fe Biomedical Research Institute, Valencia, Spain, ⁴IVIRMA Valencia, Valencia, Spain
- P-688 THE IMPACT OF HIGH SPERM CHROMATIN FRAGMENTATION ON INTRAUTERINE INSEMINATION OUTCOME.** Mounia Haddad, M.D., Derek Keating, B.A., Alessandra Parrella, M.Sc., Zev Rosenwaks, M.D. and Gianpiero D. Palermo, M.D., Ph.D., The Ronald O. Perelman and Claudia Cohen Center for Reproductive Medicine, Weill Cornell Medicine, New York, NY
- P-689 THE IMPACT OF SPERMATOZOA RETRIEVED FROM DIFFERENT REGIONS OF THE EPIDIDYMIS ON REPRODUCTIVE OUTCOMES.** Alessandra Parrella, M.Sc., June Wang, B.A., Danielle Rebecca Tavares, B.A., Mounia Haddad, M.D., Zev Rosenwaks, M.D. and Gianpiero D. Palermo, M.D., Ph.D., The Ronald O. Perelman and Claudia Cohen Center for Reproductive Medicine, Weill Cornell Medicine, New York, NY
- P-690 THE ROLE AND MECHANISM OF SPERMATOGONIAL STEM CELLS NECRPTOSIS IN MOUSE MODEL OF HYOSPERMATOGENESIS.** Guihua Liu, Ph.D.¹, Xing Yang, Ph.D.¹ and Tingting Li, Doctor², ¹The Sixth Affiliated Hospital of Sun Yat-sen University, Guangzhou, China, ²Reproductive Medicine Research Center, Sixth Affiliated Hospital of Sun Yat-sen University, Guangzhou, China
- P-691 REPRODUCTIVE OUTCOMES OF ADVANCED PATERNAL AGE MEN USING TESTICULAR SPERMS IN ASSISTED REPRODUCTIVE CYCLES?** Ramya Sai Rayapati, MSc Bio Medical Genetics¹, Krishna Mantravadi Sr., MBBS, PGDHOM, Masters in clinical embryology¹, Rajesh Mani Raghupathy, MBBS, PGDCE², Yedluri Rupasree, M.Sc Biotechnology, PhD Biotechnology, PGDCE¹, Afsha Firdouse, M.Sc Biochemistry, PGDCE¹, Durga Rao Gedela, MBBS, DGO, MRCOG, fellowship in infertility and reproductive endocrinology² and Sandeep Karunakaran Sr., M.B.B.S, MS, PGDHM, PGDMLE², ¹Oasis fertility, Hyderabad, India, ²oasis fertility, Hyderabad, India
- P-692 A MORE EFFICIENT METHOD FOR RECIPIENT PREPARATION IN SPERMATOGONIAL STEM CELL TRANSPLANTATION IN MICE INDUCING BY INTRAPERITONEAL INJECTION OF BUSULFAN.** Guihua Liu, Ph.D.¹, Xing Yang, Ph.D.¹ and Tingting Li, Doctor², ¹The Sixth Affiliated Hospital of Sun Yat-sen University, Guangzhou, China, ²Reproductive Medicine Research Center, Sixth Affiliated Hospital of Sun Yat-sen University, Guangzhou, China

POSTER PRESENTATIONS

- P-693 PCA3 AND TMPRSS:ERG ASSESSMENT IN SEMEN: RESULTS OF A PHASE I STUDY.** Nahid Punjani, MD MPH¹, Russell P Hayden, M.D.², Peter Y Cai, MD¹, John T. Wei, MD³, Javed Siddiqui, MS³, Vanessa L Dudley, MSHS², Miriam Feliciano, BSc² and Marc Goldstein, M.D.², ¹Weill Cornell Medicine, New York Presbyterian Hospital, New York, NY, ²Center for Male Reproductive Medicine and Microsurgery, Weill Cornell Medicine, New York Presbyterian Hospital, New York, NY, ³University of Michigan, Ann Arbor, MI
- P-694 NEWBORN RATE IS NOT IMPAIRED BY TIME FROM VASECTOMY, SMOKING AND BODY MASS INDEX (BMI) IN COUPLES WITH VASECTOMIZED MALE REQUIRING AN ASSISTED REPRODUCTIVE TECHNIQUE USING OOCYTE DONATION (OD).** Irene Hervas, MSc¹, Lorena Valls, M.D.², Nicolas Garrido, PhD³, Rocio Rivera-Egea, PhD⁴, Maria Gil Julia, MSc, MRes¹ and Jose Maria Martinez-Jabaloyas, M.D.⁴, ¹IVI Foundation - IIS La Fe Biomedical Research Institute, Valencia, Spain, ²Hospital Clínico de Valencia, Valencia, Spain, ³IVI Foundation - IIS La Fe Biomedical Research Institut, Valencia, Spain, ⁴IVIRMA Valencia, Valencia, Spain
- P-695 EVALUATION OF A NEWLY ENGINEERED DEVICE FOR PENILE VIBRATORY STIMULATION IN MEN WITH SPINAL CORD INJURY.** Emad Ibrahim, MD, HCLD(ABB)¹, Christian F.S. Jensen, MD², Ivan Sunara, MD³, Kajal Khodamoradi, MS¹, Teodoro C Aballa, MS¹, Stacy Elliott, MD⁴, Jens Sonksen, MD, PhD⁵, Dana A Ohl, MD⁶, Claes Hultling, MD, PhD³, Charles M Lynne, MD¹, Stephen W. J. Seager, DVM⁷ and Nancy L Brackett, PhD, HCLD¹, ¹University of Miami Miller School of Medicine, Miami, FL, ²University of Copenhagen, Herlev, Denmark, ³Karolinska Institute, Stockholm, Sweden, ⁴University of British Columbia, Vancouver, BC, Canada, ⁵Herlev & Gentofte Hospital, University of Copenhagen, Herlev, Denmark, ⁶University of Michigan, Ann Arbor, MI, ⁷National Rehabilitation Hospital, The Plains, VA
- P-696 ASSOCIATION OF THE SERUM METABOLOMIC PROFILE BY NUCLEAR MAGNETIC RESONANCE SPECTROSCOPY WITH SPERM PARAMETERS: A CROSS SECTIONAL STUDY OF 325 MEN.** Karema Alrashid, MD¹, Scott M Nelson, MD, PhD¹, Deborah A Lawlor, PhD², Mary Ann Lumsden, MD¹ and Neil Goulding, PhD², ¹University of Glasgow, Glasgow, United Kingdom, ²MRC Integrative Epidemiology Unit at the University of Bristol, Bristol, United Kingdom
- P-697 LEPTIN SECRETED FROM HUMAN LEYDIG STEM CELLS TARGETS HEDGEHOG SIGNALING TO AUGMENT ENDOGENOUS FUNCTION.** Himanshu Arora, PhD¹, Kajal Khodamoradi, MS¹, Madhumita Parmar, BS¹, Rehana Qureshi, PHD² and Ranjith Ramasamy, M.D.¹, ¹University of Miami Miller School of Medicine, Miami, FL, ²University of Miami Miller School of Medicine, MIAMI, FL
- P-699 TREATING HYPERPROLACTINEMIA DOESN'T IMPROVE SEXUAL FUNCTION IN END STAGE RENAL DISEASE PATIENTS.** Haitham Elbardisi, MD, Kareim Khalafalla, MD, Mohamed Arafa, MD, Sami Alsaid, MD and Ahmad Majzoub, MD, Hamad Medical Corporation, Doha, Qatar
- P-700 A NORTH AMERICAN PROSPECTIVE COHORT STUDY OF ANTHROPOMETRIC FACTORS AND SEMEN QUALITY.** Marlon D Joseph, MPH¹, Elizabeth E Hatch, Ph.D.¹, Michael L Eisenberg, M.D.², Kenneth J Rothman, Dr.P.H.¹, Tanran R Wang, MPH¹ and Lauren A Wise, Sc.D.¹, ¹Boston University School of Public Health, Boston, MA, ²Stanford University, Stanford, CA
- P-701 A RE-EVALUATION OF THE EFFICACY OF TREATING SPERM WITH LOW HYPO-OSMOTIC SWELLING (HOS) TESTS WITH THE PROTEIN DIGESTIVE ENZYME CHYMOTRYPSIN-GALACTOSE (CG).** Jerome H Check, M.D., Ph.D.¹, Carrie K Wilson, B.A.², Aniela Bollendorf, M.T.², Donna Summers, M.S.² and Diane L Check, BS, MT², ¹Cooper Medical School of Rowan University, Camden, NJ, ²Cooper Institute for Reproductive Hormonal Disorders, P.C., Mt. Laurel, NJ
- P-702 FUTURE FERTILITY AND PRESERVATION BELIEFS: PRACTICES AMONG A COHORT OF KLINEFELTER SYNDROME MEN.** Douglas Timmons, MD, MPH¹, Steven Gay, MD² and Alan H DeCherney, MD³, ¹University of

POSTER PRESENTATIONS

- Miami Miller School of Medicine/Jackson Memorial Hospital, ²Program in Reproductive Endocrinology and Gynecology, NICHHD, NIH, Bethesda, MD, ³Eunice Kennedy Shriver National Institute of Child Health and Human Development, Bethesda, MD
- P-703** **DOES TESTICULAR SPERM ALTER REPRODUCTIVE AND PERI-NATAL OUTCOMES IN ART CYCLES? 10 YEARS' EXPERIENCE OF AN INDIAN CLINIC** Krishna Mantravadi Sr., MBBS, PGDHOM, Masters in clinical embryology¹, Yedluri Rupasree, M.Sc Biotechnology, PhD Biotechnology, PGDCE¹, Afsha Firdouse, M.Sc Biochemistry, PGDCE¹, Rajesh Mani Raghupathy, MBBS, PGDCE¹, Durga Rao Gedela, MBBS, DGO, MRCOG, fellowship in infertility and reproductive endocrinology² and Sandeep Karunakaran Sr., M.B.B.S, MS, PGDHM, PGDMLE³, ¹Oasis fertility, Hyderabad, India, ²oasis fertility, Hyderabad, India, ³OASIS FERTILITY, Hyderabad, TELANGANA, India
- P-704** **CLINICAL OUTCOMES IN PATIENTS WITH CONGENITAL BILATERAL ABSENCE OF THE VAS DEFERENS (CBAVD) UNDERGOING TESTICULAR SPERM EXTRACTION-INTRACYTOPLASMIC SPERM INJECTION (TESE-ICSI).** Tomomoto Ishikawa, M.D. and Kotaro Kitaya, M.D., Reproduction Clinic Osaka, Osaka, Japan
- P-705** **VARICOCELECTOMY IS ASSOCIATED WITH IMPROVEMENT IN SPERM CAPACITATION AND THE PROBABILITY OF GETTING PREGNANT IN INFERTILE MEN.** Christopher Gaffney, MD¹, Philip Xie, B.S.², Nahid Punjani, MD MPH³, Jonathan Fainberg, MD³, Aaron Brant, MD³, Alessandra Parrella, M.Sc.², Gianpiero D. Palermo, M.D., Ph.D.² and James A Kashanian, MD⁴, ¹Weill Cornell Medicine, New York, NY, ²The Ronald O. Perelman and Claudia Cohen Center for Reproductive Medicine, Weill Cornell Medicine, New York, NY, ³Weill Cornell Medicine, New York Presbyterian Hospital, New York, NY, ⁴Weill Cornell Medicine - New York Presbyterian Hospital, New York, NY
- P-706** **RELATION BETWEEN SPERM MORPHOLOGY AND PREGNANCY RATE AFTER AN INTRAUTERINE INSEMINATION.** Mario Alfonso Patron Vazquez Sr., ObGyn¹, Julio C. Rosales, M.D.², Genaro Garcia Villafaña Sr., MD¹, Karla Mariel Alcalde, MD², Karla Alejandra Cantú, M. Sc.² and Marianna Perez Vargas, MD¹, ¹IECH Fertility Center, Monterrey, NL, Mexico, ²IECH, Monterrey, NL, Mexico
- P-707** **REPRODUCTIVE PARAMETERS IN MEN WITH SOLITARY TESTIS.** Andrew Hany Rezk, BA¹, Michael B Tradewell, MD, MS¹, Jesse Ory, MD², Emad Ibrahim, MD, HCLD(ABB)¹ and Ranjith Ramasamy, M.D¹, ¹University of Miami Miller School of Medicine, Miami, FL, ²University of Miami, Miami, FL
- P-708** **EXPRESSION AND SIGNIFICANCE OF c1orf100 IN TESTIS OF PATIENTS WITH NON-OBSTRUCTIVE AZOOSPERMIA.** Wujiang Liu, MD¹, Xinzong Zhang, MD¹, Huang Liu, MD², Yu Zhou, MD³, Cuncan Deng, MD³, Qingguo Zhao, MD³ and Yunge Tang, Master degree³, ¹Family Planning Special Hospital of Guangdong Province, Guangzhou, China, ²Family Planning Research Institute of Guangdong Province, Guangzhou, China, ³Family Planning Research Institute of Guangdong Province, Guangdong, China
- P-709** **VARICOCELE INDUCE OXIDATIVE STRESS AND SPERM DNA DAMAGES IN INFERTILE PATIENTS.** Mariem ben Khelifa, PhD, Hanen Elloumi, Dr, Sonia Mnallah, Dr, med Habib BEN Aribia, Dr, Mohamed Khrouf, Dr, Fethi Zhioua, Dr, Khaled Terras, Dr, Moncef Benkhalifa, PhD and Khaled Mahmoud, Dr, FERTILLIA center, Tunis, QC, Tunisia
- P-710** **EFFECT OF MICROSURGICAL VARICOCELECTOMY ON NONOBSTRUCTIVE AZOOSPERMIA (NOA) AND SEVERELY OLIGOZOOSPERMIA.** Tomomoto Ishikawa, M.D. and Kotaro Kitaya, M.D., Reproduction Clinic Osaka, Osaka, Japan
- P-711** **THE CONFOUNDING EFFECT OF ADDITIONAL ABNORMAL SEMEN PARAMETERS ON PREGNANCY OUTCOME FOLLOWING IN VITRO FERTILIZATION-EMBRYO TRANSFER (IVF-ET) USING SPERM FROM MEN WITH ABNORMAL HYPO-OSMOTIC SWELLING (HOS) TESTS.** Jerome H Check, M.D., Ph.D.¹, Carrie K Wilson, B.A.², Donna Summers, M.S.², Diane L Check, BS, MT² and Jung Choe, M.D.¹, ¹Cooper Medical School of Rowan University, Camden, NJ, ²Cooper Institute for Reproductive Hormonal Disorders, P.C., Mt. Laurel, NJ

POSTER PRESENTATIONS

- P-712 THE EFFECT OF PATERNAL AGE ON ICSI OUTCOME IN UNEXPLAINED INFERTILITY.** Mohamed Arafa, MD, Kareim Khalafalla, MD, Ahmad Majzoub, MD, Hasan Burjaq, MSc, Moza Al Badr, MSc, Sami Alsaïd, MD and Haitham Elbardisi, MD, Hamad Medical Corporation, Doha, Qatar
- P-713 PERINATAL OUTCOMES OF SURGICALLY RETRIEVED SPERMS IN NON OBSTRUCTIVE AZOOSPERMIA, 10 YEARS EXPERIENCE OF AN INDIAN CLINIC.** Amaz Areeb N Jr., Master in Bio Technology¹, Krishna Mantravadi Sr., MBBS, PGDHOM, Masters in clinical embryology², Durga Rao Gedela, MBBS, DGO, MRCOG, fellowship in infertility and reproductive endocrinology³, Sandeep Karunakaran Sr., M.B.B.S, MS, PGDHM, PGDMLE⁴, Rajesh Mani Raghupathy, MBBS, PGDCE⁵, Yedluri Rupasree, M.Sc Biotechnology, PhD Biotechnology, PGDCE⁵ and Afsha Firdouse, M.Sc Biochemistry, PGDCE⁵, ¹Oasis Fertility, Chennai, India, ²Oasis center for reproductive medicine, Hyderabad, India, ³oasis fertility, Hyderabad, India, ⁴OASIS FERTILITY, Hyderabad, TELANGANA, India, ⁵Oasis fertility, Hyderabad, India
- P-714 IDENTIFICATION OF A NOVEL SOMATIC STEM CELL POPULATION IN ADULT MOUSE TESTIS INVOLVED IN TISSUE HOMEOSTASIS AND REGENERATION.** Adrienne N Shami, B.S.¹, Yu-chi Shen, Ph.D.¹, Hailey Larose, Ph.D.¹, Lindsay Moritz, B.S.¹, Gabriel Manske, B.S.¹, Qianyi Ma, Ph.D.¹, Xianing Zheng, B.S.¹, Meena Sukhwani, Ph.D.², Kyle E Orwig, Ph.D.², Jun Z Li, Ph.D.¹ and Sue Hammoud, Ph.D.¹, ¹University of Michigan, Ann Arbor, MI, ²University of Pittsburgh School of Medicine, Pittsburgh, PA
- P-715 RAISED SPERM DNA FRAGMENTATION – WILL INTERVENTION WITH SURGICAL RETRIEVAL OF TESTICULAR SPERMS OPTIMIZE REPRODUCTIVE AND PERI-NATAL OUTCOMES ? A DECADE'S OBSERVATIONAL STUDY FROM AN INDIAN CLINIC** Krishna Mantravadi Sr., MBBS, PGDHOM, Masters in clinical embryology¹, Afsha Firdouse, M.Sc BioChemistry, PGDCE¹, Rajesh Mani Raghupathy, MBBS, PGDCE², Yedluri Rupasree, M.Sc Biotechnology, PhD Biotechnology, PGDCE¹, Durga Rao Gedela, MBBS, DGO, MRCOG, fellowship in infertility and reproductive endocrinology² and Sandeep Karunakaran Sr., M.B.B.S, MS, PGDHM, PGDMLE³, ¹Oasis fertility, Hyderabad, India, ²oasis fertility, Hyderabad, India, ³OASIS FERTILITY, Hyderabad, TELANGANA, India
- PD4-02 POSTER SESSION: PCOS**
- P-716 POLYMORPHISMS AND HAPLOTYPE OF MITOCHONDRIAL DNA CONTROL REGION ARE ASSOCIATED WITH POLYCYSTIC OVARY SYNDROME IN A CHINESE POPULATION.** Dongmei Ji, master¹, Xiaohong Deng, bachelor², Kai Zong, master³, Xinyuan Li, bachelor², Yu Cao, bachelor² and Yunxia Cao, Doctor², ¹reproductive genetics, mitochondrial disease, Hefei, China, ²The First Affiliated Hospital of Anhui Medical University, Hefei, China, ³molecular biology, Hefei, China
- P-717 THE IMPACT OF POLYCYSTIC OVARY SYNDROME ON PLACENTAL HISTOPATHOLOGY PATTERNS IN IVF SINGLETON LIVE BIRTHS.** Ginevra Mills, MD, FRCSC¹, Alexander Volodarsky-Perel, M.D.¹ and Michael H. Dahan, M.D.², ¹Division of Reproductive Endocrinology and Infertility, McGill University Health Care Centre, Montreal, QC, Canada, ²Division of Reproductive Endocrinology and Infertility, McGill University Health Care Center, Montreal, QC, Canada
- P-718 CYTOKINE CONTENT OF FOLLICULAR FLUID IN WOMEN WITH POLYCYSTIC OVARIAN SYNDROME (PCOS).** Lauren Rouleau, MD, PhD¹, Anna K Knight, PhD¹, Sabrina A. Gerkowicz, MD², Shang Weirong, PhD¹, Laurie J McKenzie, M.D.³, Alicia K Smith, PhD¹ and Heather S Hipp, MD¹, ¹Emory University School of Medicine, Atlanta, GA, ²IVFMD, South Florida Institute for Reproductive Medicine, Miami, FL, ³Baylor College of Medicine, Houston, TX
- P-719 DIFFERENCES IN PCOS PRESENTATION AMONG BLACK WOMEN IN CALIFORNIA AND ALABAMA.** Katherine VanHise, MD¹, Sahar Wertheimer, MD¹, Roy G Handelsman, MD¹, Rae A Buttle, BA¹, Jessica L Chan, MD, MSCE¹, Erica T Wang, MD, MAS¹, Ricardo Azziz, MD, MPH² and

POSTER PRESENTATIONS

- Margareta D. Pisarska, MD¹, ¹Cedars-Sinai Medical Center, Los Angeles, CA, ²University of Alabama at Birmingham, Birmingham, AL
- P-720 METABOLIC AND REPRODUCTIVE PCOS-LIKE TRAITS FOLLOWING ESRI KNOCKDOWN IN THE MADIOBASAL HYPOTHALAMUS OF ADULT FEMALE RHEBUS MONKEYS.** David H Abbott, Ph.D¹, Emily P Greinwald, BS², Jesi A Felton, BS², Matthew T Flowers, PhD², Molly M Willging, BS², Robert A Shapiro, PhD², Kim L Keen, BS², Ei Terasawa, PhD², Daniel J Uhrlich, PhD² and Jon E Levine, PhD², ¹University of Wisconsin, Madison, WI, ²University of Wisconsin, Madison, WI
- P-721 INSULIN RESISTANCE INCREASES OBSTRUCTIVE SLEEP APNEA RISK IN NON-OBESE WOMEN WITH POLYCYSTIC OVARY SYNDROME.** Xiaojie P Zhou, MD¹, Eleni Greenwood Jaswa, MD, MSc², Nikolaus J Lenhart, BS¹, Jamie Corley, BA¹, Marcelle I Cedars, MD¹ and Heather G. Huddleston, MD², ¹University of California San Francisco, San Francisco, CA, ²University of California, San Francisco School of Medicine, San Francisco, CA
- P-722 THE EFFECTS OF MELATONIN ON *IN VITRO* CULTURE OF MOUSE EMBRYOS FROM EXPERIMENTAL MODELS OF POLYCYSTIC OVARY SYNDROME.** Marcela de Oliveira Pinheiro, Bs¹, Doris Ferreira Moriyama, M.Med.Sci², Gabrielle Ferrante Alves de Moraes, Ms¹ and Edson G Lo Turco, PhD³, ¹São Paulo Federal University, São Paulo, Brazil, ²Sao Paulo Federal University, School of Medicine, Department of Surgery, Division of Urology, Human Reproduction Section, Sao Paulo, Brazil, ³IonMedicine - Precision Medicine, Sao Paulo, Brazil
- P-723 TRANSCRIPTOMIC LANDSCAPE OF GRANULOSA CELLS AND PERIPHERAL BLOOD MONONUCLEAR (PBMN) CELLS IN WOMEN WITH PCOS AND POOR OVARIAN RESPONSE (POR).** Mauro Cozzolino, MD¹, Shiny Titus, PhD², Sonia Herraiz, Ph.D.³, Antonio Pellicer, MD³, Richard Thomas Scott Jr., MD⁴ and Emre Seli, M.D.¹, ¹Yale School of Medicine, New Haven, CT, ²Foundation for Embryonic Competence, Basking Ridge, NJ, ³IVIRMA Foundation, Valencia, Spain, ⁴IVI RMA New Jersey, Basking Ridge, NJ
- P-724 THE ROLE OF GENETICS IN HYPERANDROGENIC PCOS: WHAT'S THE BIG, HAIRY DEAL?** Emma Radley, M.A.¹, Nepheli I Raptis, B.A., M.A.¹, Hanna Mandell, M.A.¹, Christy Oso, B.A.¹, Lauren Grimm, M.A.¹, Jessi Anderson, MPH¹, Zoran J Pavlovic, M.D.², Angeline Beltsos, MD¹ and Roohi Jeelani, MD¹, ¹Vios Fertility Institute, Chicago, IL, ²Rush University Medical Center, Chicago, IL
- P-725 IMPACT OF NEW 2018 INTERNATIONAL DIAGNOSTIC CRITERIA FOR THE DIAGNOSIS OF POLYCYSTIC OVARY SYNDROME.** Katherine E Kostroun, MD¹, Kathryn M Goldrick, MD¹, Jessica N Mondshine, BS¹, Randal D Robinson, MD², Cheria C Brown, RN¹ and Jennifer F Knudtson, MD¹, ¹University of Texas Health Science Center San Antonio, San Antonio, TX, ²University of Texas Health Science Center San Antonio, San Antonio, SC
- P-726 IS VITAMIN D SUPPLEMENTATION RELATED TO SEXUAL DYSFUNCTION (SDY) AND DEPRESSION IN WOMEN WITH PCOS?** Rachel Booth, DO¹, Rachel Blair Danis, MD², Rose Maxwell, PhD³, Marilyn Kindig, DO¹, Richard S. Legro, M.D.⁴, Frank Stanczyk, PhD² and Steven R. Lindheim, M.D.¹, ¹Wright State University, Dayton, OH, ²University of Southern California, Los Angeles, CA, ³Wright State University, OB/GYN, Dayton, OH, ⁴Penn State College of Medicine, Hershey, PA
- P-727 EVALUATING OVARIAN VOLUME AS A SINGLE MARKER FOR POLYCYSTIC OVARY SYNDROME (PCOS) AND METABOLIC DYSFUNCTION.** Roy G Handelsman, MD¹, Sahar Wertheimer, MD¹, Katherine VanHise, MD¹, Rae A Buttle, BA¹, Erica T Wang, MD, MAS¹, Ricardo Azziz, MD, MPH², Margareta D. Pisarska, MD¹ and Jessica L Chan, MD, MSCE¹, ¹Cedars-Sinai Medical Center, Los Angeles, CA, ²University of Alabama at Birmingham, Birmingham, AL
- P-728 DO POLYCYSTIC OVARIAN SYNDROME PATIENTS WITH LOWER HEMOGLOBIN A1C LEVELS HAVE BETTER IVF OUTCOMES?** Mary Rossillo, M.S.¹, Nicole D Yoder, MD¹, Jacquelyn Shaw, MD², Jennifer K Blakemore, MD², David H. McCulloh, Ph.D.³, James A Grifo, MD, PhD⁴ and Margaret Nachtigall,

POSTER PRESENTATIONS

- M.D.¹, ¹NYU School of Medicine, New York, NY, ²NYU Langone Prelude Fertility Center, New York, NY, ³NYU Langone Fertility Center, New York, NY, ⁴NYU Langone School of Medicine, New York, NY
- P-729 RACIAL AND ETHNIC DIFFERENCES IN THE PREVALENCE OF DIAGNOSED POLYCYSTIC OVARY SYNDROME IN WOMEN RECEIVING AMBULATORY CARE.** Olumayowa M Dayo, MD, MPH, Nancy P Gordon, ScD, Malini Chandra, MS, MBA, Miranda L Weintraub, PhD, MPH and Joan C Lo, MD, Kaiser Permanente, Oakland, CA
- P-730 DOES CONTROLLED OVARIAN HYPERSTIMULATION RESPONSE VARIES WITH PCOS PHENOTYPES: A PROSPECTIVE COHORT STUDY AT A TERTIARY INFERTILITY CENTRE IN INDIA.** Kanad Dev Nayar, M.D., DGO., FICOG, Shweta Gupta, MD, MRCOG, Minal Singh, DGO, DNB, Ratnaboli Bhattacharya, MD, DNB, FNB, MRCOG, Eshna Gupta, MS, Gaurav Kant, M.Sc, Rahul Gahlot, M.D., Dip. Clinical Embryology and Kapil Dev Nayar, MBBS, Akanksha IVF Centre, Delhi, India
- P-731 MESENCHYMAL STEM CELLS SECRETOME REGULATES STEROIDOGENESIS AND DECREASES ANDROGEN PRODUCTION IN PCOS CELL MODEL VIA SECRETING BMP-2.** Rishi Man Chugh, PhD, Hang-Soo Park, PhD, Sahar Esfandyari, DVM, Amro Elsharoud, MD, Mara Ulin, MD and Ayman Al-Hendy, MD, PhD, The University of Illinois College of Medicine, Chicago, IL
- P-732 COMPARISONS OF GLUCOSE INTOLERANCE TESTING FOR THE DETECTION AND DIAGNOSIS OF PREDIABETES AND TYPE II DIABETES MELLITUS IN REPRODUCTIVE AGE WOMEN WITH POLYCYSTIC OVARY SYNDROME.** J. Ricardo Loret de Mola, MD, Pamela Bremer, MD, Teresa S Wilson, BA, Emma V James, MD, MPH, Kristin Delfino, PhD, Jace Battrell, BS, Kathleen A Groesch, MS, Paula Diaz-Sylvester, PhD, Katherine Lincoln, BS and Riley Kraus, MD, Southern Illinois University School of Medicine, Springfield, IL
- P-733 METFORMIN SHOULD BE RECOMMENDED FOR MORE PATIENTS WITH PCOS BASED ON UPDATED GUIDELINES.** Kathryn M Goldrick, MD, Katherine E Kostroun, MD, Jessica N Mondshine, BS, Randal D Robinson, MD, Erin B Mankus, MD and Jennifer F Knudtson, MD, University of Texas Health Science Center, San Antonio, TX
- P-734 THE IMPACT OF POLYCYSTIC OVARIAN SYNDROME ON EVALUATION OF REPRODUCTIVE POTENTIAL MEASURED BY ANTI-MUELLERIAN AND FOLLICLE STIMULATING HORMONES.** Evelina Manvelyan, MD¹, Baruch Abittan, M.D.² and Gabriel San Roman, MD³, ¹Northwell Health at Southside Hospital, Bay Shore, NY, ²Northwell Health Fertility, North Shore University Hospital/Donald and Barbara Zucker School of Medicine at Hofstra/Northwell, Manhasset, NY, ³North Shore University Hospital, Manhasset, NY
- P-735 INCREASED CERVICAL INSUFFICIENCY RISK IN PCOS WOMEN UNDERGONE ART TREATMENT: A RETROSPECTIVE COHORT STUDY.** Xing Yang, Ph.D. and Yao-qiu Wu, M.M., The Sixth Affiliated Hospital of Sun Yat-sen University, Guangzhou, China
- P-736 EFFECTS OF VITAMIN D ADMINISTRATION IN THE MOUSE MODEL OF POLYCYSTIC OVARIAN SYNDROME.** Huiling Xu, master, Shumin Qiu, bachelor, Peiyang Lin, master, Xiuhua Liao, doctor and Beihong Zheng, bachelor, Fujian Maternity and Child Health Hospital, Affiliated Hospital of Fujian Medical University, FuZhou, China
- P-737 THE CLINICAL CORRELATION BETWEEN POLYCYSTIC OVARY SYNDROME (PCOS) AND PITUITARY ADENOMA.** Sang il Kim, MD, St. Vincent's Hospital, The Catholic University of Korea, Suwon, Korea, Republic of (South)
- P-738 PCOS AND UTERINE ABNORMALITY; POSSIBLE CONNECTION AND RELATIONSHIP WITH MATERNAL SERUM AMH LEVELS.** Gürkan Uncu, Prof.¹, Kiper Aslan, M.D.¹, Ozge Albayrak, M.D.², Aylin Dayan, M.D.² and Isil Kasapoglu, M.D.², ¹Bursa Uludag University Faculty of Medicine, Bursa, Turkey, ²Uludag University School of Medicine, Gynecology and Obstetric ART Center, Bursa, CT, Turkey
- P-739 INTELLIGENT ALGORITHM COMBINED WITH DEVICE THAT DETECTS LUTEINIZING HORMONE LEVELS CAN IMPROVE THE PREDICTION ACCURACY OF OVULATION DAY.** Zheng Yang, PhD, Ning Li, MS and Sylvia M Kang, MS, MBA, Quanovate Tech Inc., Pleasanton, CA

POSTER PRESENTATIONS

- P-740 AMH LEVELS MAY PREDICT FOR MULLERIAN ANOMALIES AND PREGNANCY OUTCOMES PATIENTS WITH PCOS.** Kiper Aslan, M.D.¹, Ozge Albayrak, M.D.², Kubra Ozlem Bilgic, M.D.², Isil Kasapoglu, M.D.², Berrin Avci, M.D., PhD³ and Gürkan Uncu, Prof.¹, ¹Bursa Uludag University Faculty of Medicine, Bursa, Turkey, ²Uludag University School of Medicine, Gynecology and Obstetric ART Center, Bursa, CT, Turkey, ³Uludag University School of Medicine, Bursa, Turkey
- P-741 POLYCYSTIC OVARY SYNDROME KNOWLEDGE AMONGST PRIMARY CARE PROVIDERS AND GENERALIST OBSTETRICIAN GYNECOLOGISTS.** Micaela J Stevenson, BS¹, Yolanda R. Smith, MD² and Molly B Moravek, MD, MPH², ¹University of Michigan Medical School, Ann Arbor, MI, ²University of Michigan, Ann Arbor, MI
- P-742 CHARACTERISTICS OF WOMEN WITH PCOS WHO UNDERGO ENDOMETRIAL BIOPSIES.** Kathryn M Goldrick, MD, Katherine E Kostroun, MD, Jessica N Mondshine, BS, Randal D Robinson, MD, Erin B Mankus, MD and Jennifer F Knudtson, MD, University of Texas Health Science Center, San Antonio, TX
- PD4-03 POSTER SESSION: PRACTICE MANAGEMENT**
- P-743 CLINICAL IMPACT OF THE 2017 ASRM EMBRYO TRANSFER GUIDELINES.** Anthony DeAngelis, MD, PhD¹, Allison A Eubanks, MD¹, Mae W Healy, DO¹, Rhiana D. Saunders, MD¹, Saioa Torrealday, MD¹, Alan H DeCherney, MD², John M Csokmay, MD¹ and Micah J Hill, DO¹, ¹Walter Reed National Military Medical Center, Bethesda, MD, ²Eunice Kennedy Shriver National Institute of Child Health and Human Development, Bethesda, MD
- P-744 USE OF MEDROXYPROGESTERONE ACETATE (MPA) IN DONOR CYCLES DECREASES MEDICATION COSTS.** Amber M Klimczak, MD¹, Nola S Herlihy, MD¹, Julia G Kim, MD, MPH², Brent M Hanson, MD², Emily K Osman, MD², Ashley W Tiegs, MD², Marie D Werner, MD², Daniel J. Kaser, MD², Antonio Requena, MD³ and Richard Thomas Scott Jr., MD², ¹IVI-RMA New Jersey, Basking Ridge, NJ, ²IVI RMA New Jersey, Basking Ridge, NJ, ³IVI RMA Spain, Madrid, NJ, Spain
- P-745 SEPTAL RESECTION IN WOMEN WITH UTERINE SEPTUM SCHEDULED FOR IN-VITRO-FERTILIZATION (IVF); A DECISION ANALYTIC MODEL.** Ahmed M. Abdelmagied, MD¹, Mohammed Khairy Ali, MD¹, Ali Hassan Hamed, MD, FRANZCOG², Mostafa N Ibrahim, MD¹, Amal Y Zaman, MD³, Magdeldin Gaafar Taha, MD³ and Fawzia Ahmed Habib, MD³, ¹Department of Obstetrics and Gynecology, Faculty of Medicine, Assiut University, Assiut, Egypt, ²Department Of Obstetrics and Gynaecology, Ballarat Health Services, Ballarat, Victoria, VIC, Australia, ³Department of Obstetrics and Gynecology, Faculty of Medicine, Taibah University, Saudi Arabia
- P-746 EFFICIENCY MARKERS FOR ART CENTERS TO EVALUATE QUALITY AND DELIVERY OF CARE.** Bhuchitra Singh, MD, MPH, MS¹, Mingyu Yan, BBA², Mingqian Wang, MS³, Estefania Jordan, BBA², Mindy S Christianson, MD⁴, Valerie L Baker, MD⁴ and James Segars, MD¹, ¹Johns Hopkins University School of Medicine, Baltimore, MD, ²Johns Hopkins Carey Business School, Baltimore, MD, ³Carey Business School, Baltimore, MD, ⁴Johns Hopkins Fertility Center, Lutherville, MD
- P-747 COST EFFECTIVENESS ANALYSIS OF UNIVERSAL SCREENING FOR SICKLE-CELL TRAIT PRIOR TO IVF IN STATES WITH AND WITHOUT AN IVF INSURANCE MANDATE.** Benjamin S Harris, MD, MPH¹, Benjamin J Peipert, MD², Laura J Havrilesky, MD, MHSc³ and Kelly S Acharya, MD¹, ¹Division of Reproductive Endocrinology and Infertility, Duke University Medical Center, Durham, NC, ²Duke University Medical Center, Durham, NC, ³Division of Gynecologic Oncology, Duke University Medical Center, Durham, NC
- P-748 TOO LITTLE, TOO MUCH, OR JUST RIGHT? HOW PATIENTS FEEL ABOUT THEIR SPENDING ON FAMILY BUILDING** Colin Johnson, MD, Rachel Cusatis, PhD, Kathryn E Flynn, PhD, Jay I Sandlow, MD, Judith Myers, MS and Kate D Schoyer, MD, Medical College of Wisconsin, Milwaukee, WI
- P-749 AN ARTIFICIAL INTELLIGENCE PLATFORM TO OPTIMIZE IVF MANAGEMENT DURING OVARIAN STIMULATION: WORKFLOW IMPROVEMENT AND OUTCOME-BASED**

POSTER PRESENTATIONS

PREDICTIONS. Gerard Letterie, MD¹, Andrew MacDonald, MS² and Zhan Shi, PhD³,
¹Seattle Reproductive Medicine, Seattle, WA, ²Quick Step Analytics, Seattle, WA, ³University of Washington, Seattle, WA

P-750 FINANCIAL DECISION ANALYSIS FOR SURGICAL SPERM RETRIEVAL APPROACHES.

Tracy X Han, MD, MBA, Ramy Abou Ghayda, MD, MHA, MPH, Brittany D Berk, MD, John Joseph Hernandez Jr., BA and Martin Kathrins, MD, Brigham and Women's Hospital and Harvard University, Boston, MA

P-751 FROM PEN TO KEYBOARD: TRANSITION TO A SPECIALTY ELECTRONIC MEDICAL RECORD.

Baruch Abittan, M.D., Stephanie R. Brownridge, M.D., Randi H. Goldman, M.D. and Christine Mullin, M.D., Northwell Health Fertility, North Shore University Hospital/Donald and Barbara Zucker School of Medicine at Hofstra/Northwell, Manhasset, NY

P-752 PRINCIPLES OF ONLINE DEFAMATION FOR PHYSICIANS.

Christopher P. Moutos, MD¹, Kajal Verma, MD² and John Y Phelps, MD, JD, LL.M., MHA³, ¹University of Texas Medical Branch, Galveston, TX, ²University of Nevada, Las Vegas, Las Vegas, NV, ³University of Nevada Las Vegas, Las Vegas, NV

P-753 IMPACT OF IMPLEMENTATION OF A NEW EMBRYO CULTURE SYSTEM ON EFFICIENCIES OF CLINICAL OPERATIONS IN A MODERN IVF CLINIC.

Natalie Hesketh, MSc, Teija Peura, PhD, Andrew Murray, MSc, Sarah Dalati, PhD, Mark Bowman, MB BS PhD and Steven J McArthur, BSc, Genea, Sydney, NSW, Australia

PD4-03 POSTER SESSION: PREIMPLANTATION GENETIC TESTING

P-754 PREIMPLANTATION GENETIC TESTING (PGT) SUCCESS IN THE UNITED STATES (2014-2017): MULTIPLE OUTCOME MEASURES INDICATE SUPERIORITY OF PGT OVER NO PGT.

David H. McCulloh, Ph.D.¹ and James A Grifo, MD, PhD², ¹NYU Langone Fertility Center, New York, NY, ²NYU Langone Prelude Fertility Center, New York, NY

P-755 MULTICENTER PROSPECTIVE NON-SELECTION STUDY OF BLASTOCYST TRANSFER WITH LOW-MEDIUM-GRADE MOSAICISM.

Antonio

Capalbo, PhD¹, Maurizio Poli, MSc, D.Phil¹, Danilo Cimadomo, PhD², Francesca Benini, PhD³, Cristina Patassini, MSc¹, Laura Girardi, PhD¹, Marco Fabiani, PhD¹, Silvia Caroselli, MSc¹, Carmen Rubio, PhD⁴, Elena Albani, MSc⁵, Laura Sacchi, MD⁵, Laura Francesca Rienzi, MSc², Claudia Livi, MD³, Paolo Emanuele Levi Setti, MD⁵, Filippo Maria Ubaldi, MD, PhD² and Carlos Simón, MD, PhD⁶, ¹Igenomix Italy, Marostica, Italy, ²GENERA, Center for Reproductive Medicine, Rome, Italy, ³ART Center DEMETRA, Florence, Italy, ⁴Igenomix Foundation, INCLIVA, Valencia, Spain, ⁵Humanitas Clinical and Research Center-IRCCS, Milan, Italy, ⁶Igenomix Foundation, INCLIVA, Valencia, Spain; Department of Obstetrics and Gynecology, Valencia University, Valencia, Spain; Department of Obstetrics and Gynecology, BIDMC, Harvard University, Boston, MA- USA Boston, U.S.A., Valencia, Spain

P-756 CONFIRMATION RATE OF WHOLE CHROMOSOME CALLS ON A TARGETED NEXT-GENERATION SEQUENCING PLATFORM ARE HIGHLY CONSISTENT WITH INITIAL TROPHECTODERM BIOPSY.

Julia G Kim, MD, MPH¹, Xin Tao, Ph.D², Yiping Zhan, Ph.D³, Michael Cheng, MS¹, Tianhua Zhao, BS⁴, Vanessa Guo, BSc¹, Brent M Hanson, MD¹, Richard Thomas Scott Jr., MD¹ and Chaim Jalas, N/A², ¹IVI RMA New Jersey, Basking Ridge, NJ, ²Foundation for Embryonic Competence, Basking Ridge, NJ, ³The Foundation for Embryonic Competence, Basking Ridge, NJ, ⁴IVIRMA, Basking Ridge, NJ

P-757 EFFECTS OF SPERM AGE ON EMBRYO PLOIDY IN PGT-A.

Sally A. Rodríguez, ScM, CGC, Sophia Tormasi, BSc, TS(ABB), Catherine Welch, MBA, TS(ABB), Jason Nefalar, BSc, Laura Shin, BSc and Mike M. Moradian, PhD, HCLD, Sequence46, Los Angeles, CA

P-758 UNDERLYING RISK FOR A PARENTAL BALANCED CHROMOSOME REARRANGEMENT IDENTIFIED THROUGH PREIMPLANTATION GENETIC TESTING FOR ANEUPLOIDY USING SNP MICROARRAY ANALYSIS WITH INFORMATICS.

Jessica Adsit, MS, Katherine L Howard, MS, Carrie Chou, MS, Dalar Ratousi, MS, Nina Wemmer, MS and Katrina Merrion, MS, Natera, Inc., San Carlos, CA

POSTER PRESENTATIONS

- P-759 GENDER SELECTION, IS IT TIME TO ABANDON THE ALBUMIN SPERM SEPARATION METHOD?** Irene Woo, MD¹, Roman James Danielzadeh, BA pnd², Intira Sriprasert, MD², Yulan Zhang, MD, PHD³, Peyman Saadat, MD⁴ and Eliran Mor, MD¹, ¹California Center for Reproductive Health, Encino, CA, ²University of Southern California, Los Angeles, CA, ³California Center for Reproductive Health, West Hollywood, CA, ⁴Reproductive Fertility Center, W. Hollywood, CA
- P-760 THE UTILITY OF PGT VS NON-PGT FROZEN EMBRYO TRANSFER BY PATIENT AGE GROUP.** Christopher Hibray, BS, Nicole George, BS, Lynn B Davis, MD, MS, Gerard Letterie, MD and G David Ball, PhD, Seattle Reproductive Medicine, Seattle, WA
- P-761 RELATIONSHIP BETWEEN PGT-A & CUMULATIVE LIVE BIRTH RATE IN AUTOLOGOUS & DONOR CYCLES: AN ANALYSIS OF 178,511 PATIENTS REPORTED TO SART CORS.** Alexander Kucherov, MD¹, Melissa Fazzari, PhD², Harry Lieman, MD¹, G David Ball, PhD³, Kevin J. Doody, M.D.⁴ and Sangita K Jindal, Ph.D.¹, ¹Albert Einstein College of Medicine / Montefiore Medical Center, Hartsdale, NY, ²Albert Einstein College of Medicine/ Montefiore Medical Center, Bronx, NY, ³Seattle Reproductive Medicine Center, Seattle, WA, ⁴CARE Fertility, Bedford, TX
- P-762 USING UNBALANCED EMBRYOS AS REFERENCES IN DISTINGUISHING CARRIER AND NORMAL EMBRYOS BY SNP ARRAY FOR RECIPROCAL TRANSLOCATIONS.** Rong Li, M.Sc.¹, Ai-Ling Gu, B.S.² and Jing Wang, M.D.³, ¹Medical Genetic, Guangzhou, China, ²Nursing, Guangzhou, China, ³medical genetic, guangzhou, China
- P-763 CUMULATIVE LIVE BIRTH RATE IN WOMEN 37 YEARS OF AGE OR LESS WHO UTILIZE PREIMPLANTATION GENETIC TESTING- ANEUPLOIDY (PGT-A) VERSUS UNTESTED EMBRYOS.** Rachel B Mejia, D.O.¹, Karen M Summers, MPH CHES¹, Abigail C Mancuso, MD², Emily A Capper, B.A.¹, Patrick Ten Eyck, MS PhD¹, Amy E Sparks, PhD³ and Bradley J Van Voorhis, MD¹, ¹University of Iowa, Iowa City, IA, ²University of Iowa Hospitals and Clinics, Iowa City, IA, ³University of Iowa Center for Advanced Reproductive Care, Iowa City, IA
- P-764 IMPACT OF SLIGHT VARIATIONS OF EXTRACELLULAR CULTURE MEDIA pH (PHE) ON EMBRYO QUALITY, EUPLOIDY RATES AND MITOCHONDRIAL DNA (mtDNA).** Andrea Abdala, M.Sc., Ibrahim Elkhatib, M.Sc., Aşina Bayram, M.Sc., Ana Aranz, M.Sc., Ahmed El-Damen, M.Sc., Barbara Lawrenz, M.D., Ph.D., Human M.Fatemi, M.D., Ph.D. and Neelke De Munck, M.Sc., Ph.D., IVIRMA Middle East Fertility Clinic, Abu Dhabi, United Arab Emirates
- P-765 DOES BODY MASS INDEX INFLUENCE EMBRYO EUPLOIDY RATES?** Mohamad Irani, MD¹ and Zev Rosenwaks, M.D.², ¹Advanced Fertility Center of Chicago, Chicago, IL, ²The Ronald O. Perelman and Claudia Cohen Center for Reproductive Medicine, Weill Cornell Medicine, New York, NY
- P-766 A COMPARISON OF NON-INVASIVE AND TROPHECTODERM BIOPSY PGT-A. FIRST EXPERIENCE IN ARGENTINA.** Francisco Antonio Leocata Nieto, PhD¹, Jeremías Zubrzycki, PhD², Hernán Dopazo, PhD² and Ariel Octavio Ahumada, PhD¹, ¹PROCREARTE, Buenos Aires, Argentina, ²BIOCÓDICES, San Martín, Argentina
- P-767 LIVE BIRTH RATE FOLLOWING PGT RESULTS IN LOWER LIVE BIRTH RATE COMPARED TO UNTESTED EMBRYOS TRANSFERRED AT DAY 5/6.** Kevin J. Doody, M.D. and Kathleen M Doody, MD, CARE Fertility, Bedford, TX
- P-768 THE EFFECT OF MATERNAL AGE ON CHROMOSOMAL MOSAICISM: AN ANALYSIS BY CHROMOSOME TYPE AND MOSAIC RESULT.** Jenna Reich, BS¹, Jennifer K Blakemore, MD², Andria G Besser, MS, CGC³, Brooke Hodes-Wertz, MD, MPH⁴ and James A Grifo, MD, PhD³, ¹NYU School of Medicine, New York, NY, ²NYU Langone Prelude Fertility Center, New York, NY, ³New York University Langone Fertility Center, New York, NY, ⁴NYU Langone Prelude Fertility Center, New York, NY
- P-769 PRENATAL AND POSTNATAL GENETIC TESTING AFTER PREIMPLANTATION GENETIC TESTING FOR ANEUPLOIDY (PGT-A) FOR A NON-SELECTION CLINICAL TRIAL.** Xin Tao, Ph.D¹, Li Ma, BS¹, Yiping Zhan, Ph.D², Ashley W Tiegs, MD³, Christine V Whitehead, BSN, RN⁴, Richard Thomas Scott Jr., MD³

POSTER PRESENTATIONS

and Chaim Jalas, N/A¹, ¹Foundation for Embryonic Competence, Basking Ridge, NJ, ²The Foundation for Embryonic Competence, Basking Ridge, NJ, ³IVI RMA New Jersey, Basking Ridge, NJ, ⁴IVI-RMA New Jersey, Basking Ridge, NJ

Victor, MSc², Isabel Gonzalez, Ph.D³, Christo Zouves, MD³, Patrick Martin, PhD¹ and Andrew Farmer, Ph.D¹, ¹Takara Bio USA, Mountain View, CA, ²Zouves Foundation for Reproductive Medicine, Foster City, CA, ³Zouves Fertility Center, Foster City, CA

P-770 RELIABILITY OF THE NEXT-GENERATION SEQUENCING (NGS) DIAGNOSIS OF MOSAICISM TO PREDICT THE CHROMOSOMAL CONSTITUTION OF THE INNER CELL MASS. Hui He, Msc, Bo Huang, PHD and Li Wu, Msc, Huazhong University of Science and Technology, WUHAN, China

P-775 PRE-IMPLANTATION TESTING WITH COMPREHENSIVE CHROMOSOME SCREENING: WHAT VALUE DOES IT ADD TO IVF SUCCESS? A SYSTEMATIC REVIEW AND META-ANALYSIS OF RANDOMIZED CONTROLLED STUDIES Omur Taskin, MD¹, Justin Tan, MD, MPH¹, Lauren Adye-White, BSc¹, Arianne Y K Albert, PhD², Timothy C Rowe, MD¹, Michael H. Dahan, M.D.³ and Mohamed Ali Bedaiwy, M.D., Ph.D.¹, ¹University of British Columbia, Vancouver, BC, Canada, ²Women's Health Research Institute, Vancouver, BC, Canada, ³Division of Reproductive Endocrinology and Infertility, McGill University Health Care Center, Montreal, QC, Canada

P-771 VALIDATION OF PREIMPLANTATION GENETIC TESTS FOR ANEUPLOIDY WITH CELL-FREE DNA FROM SPENT CULTURE MEDIA (SCM): CONCORDANCE ASSESSMENT AND IMPLICATION. Li Meng, Ph.D; HCLD, Baoli Yin, PHD and Cuilian Zhang, MD; Ph.D, Henan Provincial People's Hospital, Zhengzhou, CA, China

P-772 PREIMPLANTATION GENETIC TESTING FOR ANEUPLOIDY (PGT-A) AND TIME TO PREGNANCY. Marissa Palmor, MD, MBE¹, Dan W Duvall Jr., BA², Alan S Penzias, M.D.³, Denny Sakkas, PhD² and Denis A. Vaughan, MD¹, ¹Beth Israel Deaconess Medical Center, Boston, MA, ²Boston IVF, Waltham, MA, ³Beth Israel Deaconess Medical Center/Harvard Medical School, Boston, MA

P-776 PREIMPLANTATION GENETIC TESTING FOR ANEUPLOIDY CONFERS GREATER BENEFIT TO YOUNG PATIENTS WITH POLYCYSTIC OVARIAN SYNDROME. Hillary Pearson, M.D.¹, Baruch Abittan, M.D.², Randi H. Goldman, M.D.² and Christine Mullin, M.D.², ¹Department of OBGYN, North Shore University Hospital/Donald and Barbara Zucker School of Medicine at Hofstra/Northwell, Manhasset, NY, ²Northwell Health Fertility, North Shore University Hospital/Donald and Barbara Zucker School of Medicine at Hofstra/Northwell, Manhasset, NY

P-773 RNA FOR PGT-A AND IDENTIFICATION OF NEW BIOMARKERS OF CLINICAL OUTCOME IN IVF. Julie Laliberte, PhD¹, Manuel Viotti, PhD², Andrea Victor, MS³, Alan Brake, MS³, Isabel Gonzalez, Ph.D³, Christo Zouves, MD³, Frank Barnes, PhD³ and Andrew Farmer, Ph.D¹, ¹Takara Bio USA, Mountain View, CA, ²Zouves Foundation for Reproductive Medicine, Foster City, CA, ³Zouves Fertility Center, Foster City, CA

P-777 EFFECTS OF DIFFERENT BIOPSY PROTOCOL ON RATE OF MOSAICISM AFTER NEXT-GENERATION SEQUENCING (NGS) IN PREIMPLANTATION GENETIC TESTING FOR ANEUPLOIDY (PGT-A) CYCLES. Shun Xiong, Master¹, Jiang Wang, Master², Jun Xia Liu, Master², Wei Han, Master², Jing Yu Li, PhD³ and Guoning Huang, M.D.², ¹Chongqing, China, ²ChongQing Health Center for Women and Children, ³Chongqing Key Laboratory of Human Embryo Engineering, Chongqing Reproductive and Genetics Institute, Chong Qing, China

P-774 ASSESSMENT OF CELL-FREE DNA FROM EMBRYO SPENT MEDIA AND ITS EFFECT ON NON-INVASIVE PGT-A CONCORDANCE TO CONVENTIONAL PGT-A AND CALCULATED COPY NUMBER NOISE. Jacob Meyers, PhD¹, Julie Laliberte, PhD¹, Kajal Choudhary, PhD¹, Nao Yasuyama, MS¹, Christopher J Sifuentes, PhD¹, Wenwen Xiang, Master¹, Karthikeyan Swaminathan, PhD¹, Manuel Viotti, PhD², Frank Barnes, PhD², Andrea

P-778 INCREASED INCIDENCE OF ECTOPIC PREGNANCY IN IN VITRO (IVF) PREIMPLANTATION GENETIC SCREENED EUPLOID EMBRYOS. Evelina Tuers, CNM,

POSTER PRESENTATIONS

- WHNP-BC, Thomas Molinaro, MD, MSCE, Paul A Bergh, MD, Meghan K Pierce, MSN and McKenna Wilson, BA, PA-S, IVI RMA New Jersey, Basking Ridge, NJ
- P-779** **EVALUATION OF THE INHERITANCE OF COPY NUMBER VARIATIONS (CNVs) IN THE EMBRYOS WHEN THE SAME CNV PRESENTS IN MORE THAN ONE EMBRYO AFTER PGT-A FROM IVF CYCLES.** Heather Garnsey, BS, MPS¹, Yiping Zhan, Ph.D², Chaim Jalas, N/A¹, Vaidehi Jobanputra, PhD¹, Richard Thomas Scott Jr., MD³ and Xin Tao, Ph.D¹, ¹Foundation for Embryonic Competence, Basking Ridge, NJ, ²The Foundation for Embryonic Competence, Basking Ridge, NJ, ³IVI RMA New Jersey, Basking Ridge, NJ
- P-780** **ENDOMETRIAL RECEPTIVITY ANALYSIS (ERA) FOR PATIENTS WITH PGT-A NORMAL FROZEN EMBRYO TRANSFERS (FET): A RETROSPECTIVE ANALYSIS.** Joshua C Combs, MD¹, Jeanne E O'Brien, MD, MSc², Kate Devine, MD², Mae W Healy, DO¹, Samad Jahandideh, PhD², Alan H DeCherney, MD³, Micah J Hill, DO¹ and Nicole Doyle, MD, PhD², ¹Walter Reed National Military Medical Center, Bethesda, MD, ²Shady Grove Fertility Center, Rockville, MD, ³Eunice Kennedy Shriver National Institute of Child Health and Human Development, Bethesda, MD
- P-781** **A NOVEL METHOD TO ATTENUATE EMBRYO ANEUPLOIDY DUE TO PATERNAL INHERITANCE.** Alessandra Parrella, M.Sc., Danielle Rebecca Tavares, B.A., Mounia Haddad, M.D., June Wang, B.A., Derek Keating, B.A., Zev Rosenwaks, M.D. and Gianpiero D. Palermo, M.D., Ph.D., The Ronald O. Perelman and Claudia Cohen Center for Reproductive Medicine, Weill Cornell Medicine, New York, NY
- P-782** **THE VALUE OF NONINVASIVE PREIMPLANTATION GENETIC TESTING FOR ANEUPLOIDY ON HUMAN CELL-FREE DNA FROM BLASTOCOELE FLUID WITH GENOME SEQUENCING: A PROSPECTIVE COHORT STUDY.** Dao W Wang, MD, PhD, Lingbo Cai, PHD, Qiao Zeng, MD, PhD, Chao Gao, BSc, Wei Wu, MD, PhD, Jiandong Shen, MD, PhD, Yugui Cui, MD, PhD and Jiayin Liu, MD PhD, The First Affiliated Hospital of Nanjing Medical University, Nanjing, China
- P-783** **ANALYSIS OF 3,967 EMBRYOS USING A USING A NOVEL NON-INVASIVE PREIMPLANTATION GENETIC TESTING FOR ANEUPLOIDY (NIPGT-A) PLATFORM.** Meir Olcha, MD¹, Manar Elzaky, BS, MS¹, Malgorzata Jaremko, PhD¹, Zaher Merhi, MD, HCLD² and John J Zhang, MD, PhD³, ¹New Hope Fertility Center, New York, NY, ²SUNY Downstate University and New Hope Fertility Center, New York, NY, ³Darwin Life INC, New York City, NY
- P-784** **CLINICAL OUTCOME COMPARISON BETWEEN TRANSFER OF EUPLOID AND MOSAIC BLASTOCYSTS IDENTIFIED USING A NOVEL NON-INVASIVE PREIMPLANTATION GENETIC TESTING FOR ANEUPLOIDY (NIPGT-A) PLATFORM.** Meir Olcha, MD¹, Manar Elzaky, BS, MS¹, Malgorzata Jaremko, PhD¹, Zaher Merhi, MD, HCLD² and John J Zhang, MD, PhD³, ¹New Hope Fertility Center, New York, NY, ²SUNY Downstate University and New Hope Fertility Center, New York, NY, ³New Hope Fertility Center, New York City, NY
- P-785** **CREB1 INTEGRATES THE METABOLIC AND GROWTH NETWORKS ASSOCIATED WITH THE AGING OF HUMAN GRANULAR CELLS.** Kuan-Hao Tsui, M.D; Ph.D and Chia-Jung Li, Ph.D, Department of Obstetrics and Gynecology, Kaohsiung Veterans General Hospital, Kaohsiung, Taiwan
- P-786** **IMPACT OF BLASTOCYST RE-BIOPSY AND RE-FREEZE ON PREGNANCY OUTCOMES: A SYSTEMATIC REVIEW AND META-ANALYSIS.** Chelsea N Fortin, MD, Molly B Moravek, MD, MPH, Min Xu, Ph.D and Nicholas Henderson, PhD, MA, University of Michigan, Ann Arbor, MI
- P-787** **PREIMPLANTATION GENETIC TESTING (PGT) WAS NOT ASSOCIATED TO ADVERSE MATERNAL AND NEONATAL OUTCOMES.** Mauro Cozzolino, MD¹, Juan A Garcia-Velasco, MD, PhD² and Antonio Pellicer, MD¹, ¹IVIRMA Foundation, Valencia, Spain, ²IVI-RMA Madrid, Universidad Rey Juan Carlos, Madrid, Spain
- P-788** **IMPACT OF BLASTOCYST BIOPSY TECHNIQUE ON DNA QUALITY AND PGT-A RESULTS.** Michael J Abeyta, BS¹, ChaoChun Lin, BS¹, David M Pardo, PhD¹, William B Schoolcraft, MD² and Jason E Swain, PhD, HCLD³,

POSTER PRESENTATIONS

¹CCRM San Francisco, San Francisco, CA,
²CCRM Colorado, Lone Tree, CO, ³CCRM
 Fertility Network, Lone Tree, CO

of Texas, Southwestern Medical Center,
 Dallas, TX, ³University of Texas Health
 Science Center at Houston, Dallas, TX

- P-789 COMPARISON OF THE STRUCTURE OF CHROMOSOMAL ABNORMALITIES IN THE EMBRYOS OBTAINED AFTER REPRODUCTIVE NUCLEAR TRANSFER VERSUS IVF-ICSI-PGT-A.** Dmytro O. Mykytenko, MD, DSc, Kateryna Lavrova, PhD, Tetiana Cherneha, MSc, Pavlo Mazur, MSc, Lada Diachenko, MSc. and Valery Zukin, MD, PhD, Clinic of Reproductive Medicine "Nadiya", Kyiv, Ukraine
- P-790 THE EFFECT OF GERMLINE MUTATIONS ON THE ABILITY OF SURGICALLY RETRIEVED SPERMATOZOA FROM AZOOSPERMIC MEN TO SUPPORT EMBRYONIC DEVELOPMENT.** Stephanie Cheung, B.S., Zev Rosenwaks, M.D. and Gianpiero D. Palermo, M.D., Ph.D., The Ronald O. Perelman and Claudia Cohen Center for Reproductive Medicine, Weill Cornell Medicine, New York, NY
- P-791 ANOTHER CHANCE FOR SUCCESS: THE LIKELIHOOD OF OBTAINING A EUPLOID EMBRYO FOR TRANSFER AFTER AN IVF CYCLE WITH NO EUPLOID EMBRYOS.** Nola S Herlihy, MD¹, Amber M Klimczak, MD², Brent M Hanson, MD², Julia G Kim, MD, MPH², Ashley W Tiegs, MD², Emily K Osman, MD², Emre Seli, MD² and Richard Thomas Scott Jr., MD², ¹IVI-RMA New Jersey, Basking Ridge, NJ, ²IVI RMA New Jersey, Basking Ridge, NJ
- P-792 AGE-RELATED PREGNANCY LOSS IS LARGELY OVERCOME WITH SINGLE EUPLOID EMBRYO TRANSFER.** Mandy G Katz-Jaffe, PhD, Susanna McReynolds, PhD, Lauren Henry, BS, Nathan McCubbin, BS, Rachel S Mann, BS, MS, Rachel Tucci, BS, Sue McCormick, BS and William B Schoolcraft, MD, Colorado Center for Reproductive Medicine, Lone Tree, CO
- P-793 GENERALIST PHYSICIANS' REFERRAL BEHAVIOR ON PRE-IMPLANTATION GENETIC TESTING (PGT) FOR SINGLE GENE DISORDERS: DO WE NEED TO PLAY CATCH UP?** Sarah M Capelouto, MD¹, Melanie Evans, MS, MD², Jennifer Shannon, MD¹, Katelyn Jetelina, PhD, MPH³, Orhan Bukulmez, MD¹ and Bruce R Carr, MD¹, ¹UT Southwestern Medical Center, Dallas, TX, ²The University
- P-794 ADVANCED PATERNAL AGE DOES NOT INFLUENCE BLASTOCYST EUPLOIDY RATES IN DONOR EGG CYCLES.** Daniel Skora, M.D., Jennifer A Rodriguez, B.Sc., Rebecca A Chilvers, M.D., Satin S Patel, M.D., Jerald S Goldstein, M.D. and Carlos A Guerrero, Ph.D., Fertility Specialists of Texas, Frisco, TX
- P-795 OUTCOMES FOLLOWING TRANSFER OF EMBRYOS WHOSE PGT-A RESULTS WERE INDETERMINATE AND THAT WERE NOT RE-BIOPSED.** Tamar Alkon-Meadows, MD¹, Carlos Hernandez-Nieto, MD¹, Joseph A. Lee, BA¹, Rose Marie Roth, MSc, TS(ABB), CLT (NYS)¹, Richard Slifkin, BA, TS(ABB), CLT(NYS)¹, Deborah Cassis-Bendeck, MD¹, Martha Luna-Rojas, MD¹, Alan B Copperman, MD² and Benjamin Sandler, MD², ¹Reproductive Medicine Associates of New York, New York, NY, ²Icahn School of Medicine at Mount Sinai, New York, NY
- P-796 OBSTETRIC AND NEONATAL OUTCOMES OF PREGNANCIES RESULTING FROM PREIMPLANTATION GENETIC TESTING: A SYSTEMATIC REVIEW AND META-ANALYSIS.** Wei Zheng, MD, Yichun Guan, MD, PhD, Chen Yang, MD, Shuheng Yang, MD, Simin Sun, MD, Mingkun Mu, MD, Ruowen Zu, MD, Junfang Yan, MD and Bingnan Ren, MD, The Third Affiliated Hospital of Zhengzhou University, Zhengzhou, China
- P-797 OBESITY AND MITOSCORE: DETERMINANT OF ART SUCCESS?** Maria Bustillo, M.D¹, Ineabelle Collazo, BS², Katherine L Palmerola, BS, MD², Sabrina A. Gerkowicz, MD², Juergen Eisermann, M.D¹, Nicholas Hendon, BS² and Himanshu Arora, PhD³, ¹IVFMD, South Florida Institute for Reproductive Medicine, MIAMI, FL, ²IVFMD, South Florida Institute for Reproductive Medicine, Miami, FL, ³University of Miami Miller School of Medicine, Miami, FL
- P-798 EFFICACY OF PGT-A WITH A SINGLE BLASTOCYST.** Alexis Gadson, MD¹, Wendy Kuohung, MD¹ and Denny Sakkas, PhD², ¹Boston University School of Medicine, Boston, MA, ²Boston IVF, Waltham, MA

POSTER PRESENTATIONS

- P-799 THE IMPACT OF USING ARTIFICIAL INTELLIGENCE IN REPORTING HIGH RESOLUTION NGS RESULTS UPON PRIORITIZATION OF EMBRYOS SELECTED FOR TRANSFER.** Nawal Mohamed Saad Sr., BSc and Nada Elmegharbel, Ashrakat Abdeltawab, Mona Ashraf, Hanaa Alkhader, Hosam Zaki, Elfostat new city, Cairo, Egypt
- P-800 BATCHING OF BLASTOCYSTS TOGETHER WITH PREIMPLANTATION GENETIC TESTING FOR ANEUPLOIDY (PGT-A) IS A HIGHLY SUCCESSFUL STRATEGY FOR ADVANCED MATERNAL AGE AND YOUNGER WOMEN WITH DIMINISHED OVARIAN RESERVE.** Lilach Marom Haham, MD¹, Michal Dviri, MD², Adi Kuperman, M.D, MHA¹, Anjila Roumia, MD³, Svetlana Madjunkova, MD, PhD¹ and Clifford Lawrence Librach, MD¹, ¹CReATe Fertility Centre, Toronto, ON, Canada, ²University of Toronto, Toronto, ON, Canada, ³CReATe fertility centre, Toronto, ON, Canada
- P-801 THE ASSOCIATION BETWEEN THE GENDER OF PATIENTS WITH ROBERTSONIAN TRANSLOCATION AND EUPLOID RATE.** Jing Wang, M.D¹ and Baomin Lu, bachelard², ¹medical genetic, guangzhou, China, ²medical examination, guangzhou, China
- P-802 ASSOCIATION BETWEEN STANDARD MORPHOLOGY ASSESSMENT AND CHROMOSOME CONSTITUTION AFTER NGS ANALYSIS.** Pamela Villanueva, MD, PhD¹, Huayhua Julio, BSc², Luis Noriega-Hoces, MD¹, Javier Noriega, MD¹ and Luis Guzman, PhD¹, ¹Laboratorios de Reproduccion Asistida PRANOR, Lima, Peru, ²ADN Diagnostico, Lima, Peru
- P-803 BIPARENTAL INHERITANCE OF MITOCHONDRIAL DNA IN RHESUS MACAQUES.** Hong Ma, PhD¹, Hayley Darby, MS¹, Crystal Van Dyken, BS¹, Aleksei Mikhailchenko, PhD¹, Nuria Marti-Gutierrez, PhD¹, Amy Koski, BA¹, Dan Liang, PhD¹, Ying Li, MS¹, Yeonmi Lee, PhD², Eunju Kang, PhD², Paula Amato, MD¹ and Shoukhrat Mitalipov, PhD¹, ¹Oregon Health & Science University, Portland, OR, ²ASAN Medical Center, Seoul, Korea, Republic of (South)
- P-804 TROPHECTODERM BIOPSY PRIOR TO AUTOLOGOUS FROZEN BLASTOCYST TRANSFER IS NOT ASSOCIATED WITH ADVERSE OBSTETRICAL OUTCOMES.** Michael S Awadalla, MD, Kristen E Park, BA, Kyle R Latack, BA, Lynda K McGinnis, PhD, Ali Ahmady, PhD and Richard J Paulson, MD, MS, Keck School of Medicine, University of Southern California, Los Angeles, CA
- P-805 MUTATION ANALYSIS AND CHARACTERIZATION OF COL7A1 C.4531_4564-42DEL FROM TROPHECTODERM (TE) BIOPSIES USING NEXT GENERATION SEQUENCING (NGS) SIMULTANEOUSLY WITH PRE-IMPLANTATION GENETIC TESTING FOR ANEUPLOIDY (PGT-A)** Xin Tao, Ph.D¹, Li Ma, BS¹, Yiping Zhan, Ph.D², Heather Garnsey, BS, MPS¹, Richard Thomas Scott Jr., MD³ and Chaim Jalas, N/A¹, ¹Foundation for Embryonic Competence, Basking Ridge, NJ, ²The Foundation for Embryonic Competence, Basking Ridge, NJ, ³IVI RMA New Jersey, Basking Ridge, NJ
- P-806 HOW EFFECTIVE IS TARGET SEQUENCE ENRICHMENT DURING WHOLE GENOME AMPLIFICATION ON THE IMPROVEMENT OF PGT-M RESULTS?** Evrim Unsal, Assoc Prof¹, Leyla Ozer, MD, PhD², Merve Polat, PhD², Suleyman Aktuna, PhD² and Volkan Baltaci, MD, PhD³, ¹cinnah caddesi 47/1, ankara, Turkey, ²Yuksekk Ihtisas University, Ankara, Turkey, ³Yozgat Bozok University, Yozgat, Turkey
- P-807 COMPARISON OF ETHICAL PERSPECTIVES OF INDIVIDUALS CONSIDERING PREIMPLANTATION EMBRYO GENETIC TESTING FOR ANEUPLOIDY (PGT-A) VS. MONOGENIC DISORDERS (PGT-M)** Jiahui Zhang, BA¹, Lisa M Pastore, PhD² and Lisa R Rubin, PhD³, ¹Renaissance School of Medicine at Stony Brook University, Stony Brook, NY, ²Stony Brook Medicine, Stony Brook, NY, ³The New School, New York, NY
- P-808 PREIMPLANTATION GENETIC TESTING FOR ANEUPLOIDIES (PGT-A) IS NOT ASSOCIATED WITH IMPROVED LIVE BIRTH RATES IN PATIENTS UNDER 35 YEARS OLD.** Elnur Babayev, MD, MSc¹, John X Zhang, PhD² and MaryEllen Pavone, MD¹, ¹Northwestern University, Chicago, IL, ²Northwestern Medicine, Chicago, IL

POSTER PRESENTATIONS

- P-809 PREIMPLANTATION GENETIC TESTING FOR ANEUPLOIDY: IS IT REALLY COST EFFECTIVE?**
Michael Saad-Naguib, MD, Douglas Timmons, MD, MPH and George R Attia, MD, MBA, University of Miami Miller School of Medicine, Miami, FL
- P-810 THE INCIDENCE AND PARENTAL ORIGIN OF WHOLE AND SEGMENTAL ANEUPLOIDIES IN HUMAN IMPLANTATION EMBRYOS.** Jing Wang, M.D¹ and Baomin Lu, bachelard², ¹Medical genetic, Guangzhou, China, ²medical examination, guangzhou, China
- P-811 PGT-A DOESN'T SEEM TO BENEFIT RECURRENT IMPLANTATION FAILURE COUPLES TO OPTIMIZE LIVE BIRTHS.** Krishna Mantravadi Sr., MBBS, PGDHOM, Masters in clinical embryology, Shankhadeep Debnath, MSC Molecular Biology and Biotechnology, Nandita Relekar Sanjay Relekar, Master in Clinical embryology and Durga Gedela Rao Sr., MRCOG, Oasis fertility, Hyderabad, India
- P-812 DOES POOR BLASTOCYST MORPHOLOGY IMPLY LOWER EUPLOIDY RATE IN PATIENTS UNDERGOING PGT-A?** Shujing He, Master¹, Lei Jia, Master², Wenlong Su, MS³ and Cong Fang, PHD, MD⁴, ¹The Sixth Affiliated hospital of Sun Yat-Sen University, Guangzhou, China, ²Reproductive Medicine Research Center, Sixth Affiliated Hospital of Sun Yat-sen University, Guangzhou, China, ³Sixth Affiliated hospital of Sun Yat-Sen University, Guangzhou, China, ⁴The Sixth Affiliated Hospital of Sun Yat-sen University, Guangzhou, China
- P-813 NON-INVASIVE CHROMOSOME SCREENING AND ITS CORRELATION AGAINST RANKING PREDICTION MADE BY ERICA, A DEEP-LEARNING EMBRYO RANKING ALGORITHM.** Alejandro Chavez-Badiola, MD¹, John J Zhang, MD, PhD², Adolfo Flores-Saiffe Farias Sr., MSc, PhD¹, Gerardo mendizabal-Ruiz, PhD³, Meir Olcha, MD⁴, Andrew J Drakeley, MD FRCOG⁵ and IVF 2.0, ¹IVF 2.0 LTD, Maghull, United Kingdom, ²New Hope Fertility Center, New York City, NY, ³Universidad de Guadalajara, Guadalajara, Mexico, ⁴New Hope Fertility Center, New York, NY, ⁵Liverpool Women's Hospital, Liverpool, United Kingdom
- P-814 DOES PRE-IMPLANTATION GENETIC TESTING FOR ANEUPLOIDY OPTIMISE THE REPRODUCTIVE OUTCOMES IN WOMEN WITH IDIOPATHIC RECURRENT PREGNANCY LOSS?** Krishna Mantravadi Sr., MBBS, PGDHOM, Masters in clinical embryology¹, Sherin Mathew, MSc¹, Shivanand Soorve Sr., BSc¹, Durga Gedela Rao Sr., MRCOG¹ and Sandeep Karunakaran Sr., M.B.B.S, MS, PGDHM, PGDMLE², ¹Oasis fertility, Hyderabad, India, ²oasis fertility, Hyderabad, India
- P-815 IS IT POSSIBLE TO DETECT ALL SEGMENTAL CHROMOSOMAL IMBALANCES WITH NGS USING CUSTOM ANALYSIS ALGORITHMS?** Merve Polat, PhD¹, Volkan Baltaci, MD, PhD², Leyla Ozer, MD, PhD¹, Evrim Unsal, Assoc Prof³ and Suleyman Aktuna, PhD¹, ¹Yuksekt Ihtisas University, Ankara, Turkey, ²Yozgat Bozok University, Yozgat, Turkey, ³cinnah caddesi 47/1, ankara, Turkey
- PD4-05 POSTER SESSION: REGENERATIVE MEDICINE AND STEM CELLS**
- P-816 EXOSOMES DERIVED FROM MENSTRUAL BLOOD-DERIVED STROMAL CELLS RESTORED OVARIAN FUNCTION IN RAT MODEL OF PREMATURE OVARIAN INSUFFICIENCY.** Siwen Zhang, Master, Jichun Tan, PhD and Pingping Li, PhD, Shengjing Hospital of China Medical University, shenyang, China
- P-817 LONG-TERM ENGRAFTMENT AND SAFETY OF HUMAN BONE MARROW DERIVED CD133+ CELLS IN A RAT MODEL OF ASHERMAN'S SYNDROME.** Xavier Santamaria, MD, PhD¹, Nanda Kumar, PhD² and Carlos Simón, MD, PhD³, ¹Asherman Therapy, Paterna, Spain, ²Universitat de Valencia, Paterna, Spain, ³Igenomix Foundation, INCLIVA, Valencia, Spain; Department of Obstetrics and Gynecology, Valencia University, valencia, Spain; Department of Obstetrics and Gynecology, BIDMC, Harvard University, Boston, MA- USA Boston, U.S.A., Valencia, Spain
- P-818 miRNA-144 INCREASES ESTROGEN-PRODUCING GENES EXPRESSION AND SUPPRESS APOPTOSIS IN HUMAN GRANULOSA CELL LINE.** Sahar Esfandyari, DVM, The University of Illinois College of Medicine, Chicago, IL
- P-819 THE USE OF SEMIPERMEABLE SPHERES ENGULFED WITH MOUSE EMBRYONIC STEM CELLS TO GENERATE MALE GERM CELLS.**

POSTER PRESENTATIONS

Sherina Lawrence, B.S., Mounia Haddad, M.D., Philip Xie, B.S., Zev Rosenwaks, M.D. and Gianpiero D. Palermo, M.D., Ph.D., The Ronald O. Perelman and Claudia Cohen Center for Reproductive Medicine, Weill Cornell Medicine, New York, NY

P-820 SENSITIVE TOXICITY TESTING OF ART DISPOSABLES USING HUMAN PLURIPOTENT STEM CELLS. Ye Yuan, PhD¹, Courtney Grimm, MS¹, Rachel C West, PhD², William B Schoolcraft, MD¹ and Rebecca L. Krisher, PhD², ¹Colorado Center for Reproductive Medicine, Lone Tree, CO, ²CCRM Colorado, Lone Tree, CO

PD4-06 POSTER SESSION: REPRODUCTIVE ENDOCRINOLOGY

P-821 INSULIN RESISTANCE & INFERTILITY: ASSESSING THE SIGNIFICANCE OF INSULIN RESISTANCE AMONG WOMEN SEEKING FERTILITY CARE. Rachel Ruderman, MD, MPH, Lydia Hughes, MD, Sedona Speedy, MD and Christina E Boots, MD, MSCI, Northwestern University, Chicago, IL

P-822 OOCYTE SECRETED FACTORS REGULATE FSHR AND AMH mRNA LEVELS IN CUMULUS CELLS. Jose Buratini, DVM, PHD¹, Thaisy Tino Dellaqua, Ms.², Mariabeatrice Dal Canto, BSci, PHD¹ and Mario Mignini Renzini, MD¹, ¹Biogenesi Reproductive Medicine Centre, Monza, Italy, ²Sao Paulo State University, Botucatu, Brazil

P-823 CONTRASTING TOXICITY OF D-GALACTOSE ON OOCYTES AND EMBRYOS. Mili Thakur, MD, David Bai, BS, Neha Nayak, student and Husam M. Abu-Soud, PhD, Wayne State University, C.S. Mott Center for Human Growth and Development, Detroit, MI

P-824 NOVEL ANTI-MÜLLERIAN HORMONE RECEPTOR 2 BINDING PEPTIDE (AMHR2BP) STALLS GRANULOSA CELLS PROLIFERATION. Laura Detti, MD¹ and Ghassan M Saed, PhD², ¹Cleveland Clinic, Cleveland, OH, ²Wayne State University School of Medicine, Detroit, MI

P-825 THE INCIDENCE OF UNDETECTABLE AMH LEVELS IN WOMEN SEEKING PROACTIVE FERTILITY HORMONE TESTING. Sharon Briggs, PhD and Avner Hershlag, MD, Modern Fertility, San Francisco, CA

P-826 SLEEP DURATION AND TIMING ARE NOT ASSOCIATED WITH ANTIMULLERIAN HORMONE LEVELS. Caitlin Elizabeth Martin, MD, MS¹, Allison P Schelble, MD², Ashley Eskew, MD, MSCI³, Joan Riley, PhD, HCLD² and Emily S Jungheim, MD, MSCI⁴, ¹Washington University School of Medicine, St. Louis, MO, ²Washinton University School of Medicine, St. Louis, MO, ³Atrium Health, Charlotte, NC, ⁴Northwestern Feinberg School of Medicine, Chicago, IL

P-827 COMPARISON OF CONTROLLED OVARY STIMULATION PROTOCOLS FOR *IN VITRO* FERTILISATION: A META-ANALYSIS. Rong Li, MD, PhD¹, Yichun Guan, MD, PhD², Rui Yang, MD, PhD¹, Valerie Perrot, Master³ and Juan MA, Master⁴, ¹Peking University Third Hospital, Beijing, China, ²The Third Affiliated Hospital of Zhengzhou University, Zhengzhou, MN, China, ³Ipsen Pharma, Boulogne-Billancourt, France, ⁴Ipsen Pharma (Beijing), Beijing, China

P-828 HIF1-ALPHA INDUCED ADRENOMEDULLIN EXPRESSION SUPPORTS ANGIOGENESIS IN 3D LEIOMYOMA XENOGRAFTS. Joy L. Britten, MD¹, Minnie Malik, Ph.D.², Anthony DeAngelis, MD, PhD² and William Catherino, M.D., Ph.D.¹, ¹Uniformed Services University for the Health Sciences, Bethesda, MD, ²Uniformed Services University of the Health Sciences, Bethesda, MD

P-829 DETERIORATION IN BASELINE REPRODUCTIVE HORMONE PROFILE IS ASSOCIATED WITH INCREASE IN REPRODUCTIVE ENDOCRINE DISORDERS: DATA EVALUATION IN INDIAN WOMEN OVER A 15-YEAR DURATION. Bindu N. Chimote, M.Sc., M.Phil, Ph.D.(Biochemistry); M.Sc. Clinical Embryology (Leeds-UK)¹ and Natchandra Manoharrao Chimote, M.Sc., Ph.D.², ¹Consultant Clinical Embryologist, Nagpur, India, ²Scientific Director, Vaunshdhara Fertility Centre, Nagpur, India

P-830 NOMOGRAM TO PREDICT CERVICAL INSUFFICIENCY INCIDENCE IN PATIENTS UNDERGOING IVF/ICSI TREATMENT. Xing Yang, Ph.D. and Yao-qiu Wu, M.M., The Sixth Affiliated Hospital of Sun Yat-sen University, Guangzhou, China

POSTER PRESENTATIONS

- P-831 HMG DIMINISH THE AVAILABLE OOCYTES UTILIZATION IN FRESH CYCLES.** Peiyang Lin, master, Beihong Zheng, bachelor, Rongshan Li, bachelor, Huiling Xu, master and Suqin Zhu, master, Fujian Maternity and Child Health Hospital, Affiliated Hospital of Fujian Medical University, FuZhou, China
- P-832 SERUM FOLIC ACID, VITAMIN B12 AND VITAMIN D3 LEVELS ARE NOT ASSOCIATED WITH ANTIMULLERIAN HORMONE LEVELS.** Caitlin Elizabeth Martin, MD, MS¹, Joan Riley, PhD, HCLD² and Emily S Jungheim, MD, MSCI³, ¹Washington University School of Medicine, St. Louis, MO, ²Washinton University School of Medicine, St. Louis, MO, ³Northwestern Feinberg School of Medicine, Chicago, IL
- P-833 ATYPICAL CORE BODY TEMPERATURE PATTERNS AND THE WIDER IMPLICATIONS FOR CONDITIONS RELATED TO PREGNANCY, INFERTILITY, AND MISCARRIAGE RISK.** Bradley S Hurst, MD, Atrium Health Carolinas Medical Center, Charlotte, NC
- P-834 ERYTHROPOIETIN-PRODUCING HEPATOCELLULAR A7 RESTRAINS ESTROGEN-NEGATIVE FEEDBACK OF LUTEINIZING HORMONE VIA EPHRIN A5 IN THE HYPOTHALAMUS OF FEMALE RATS.** Shang Li, M.D.¹, Junyu Zhai, M.D. Ph.D.² and Yanzhi Du, M.D. Ph.D.¹, ¹Ren Ji Hospital, School of Medicine, Shanghai Jiao Tong University, Shanghai, China, ²University of California, San Francisco, San Francisco, CA
- P-835 EFFECT OF GROWTH HORMONE ON BLASTOCYST FORMATION AND IMPLANTATION RATES IN WOMEN UNDERGOING IN VITRO FERTILIZATION.** Larissa Matsumoto, MD¹, Ekaterini koutsantonis Pires, MD¹, Michelle Nagai, MD¹, Fernanda Imperial Granjo, MD¹, Carolina Rebello Costa, MD¹, Edson G Lo Turco, PhD², Lucas Yamakami, MD³, Renato Tomioka, MD³ and Orcar Duarte, MD⁴, ¹MD, São Paulo, Brazil, ²IonMedicine - Precision Medicine, Sao Paulo, Brazil, ³Clinical Chief, São Paulo, Brazil, ⁴Clinical Chief in Lab For Life Laboratory, São Paulo, Brazil

POSTER PRESENTATIONS

Wednesday, October 21, 2020

POSTER SESSIONS

PD5-01 POSTER SESSION: MENTAL HEALTH

- P-836 EXAMINING THE ASSOCIATION BETWEEN INFERTILITY, PREGNANCY INTENTION, AND POSTPARTUM DEPRESSION.** Gabriela A. Barber, M.S. and Julia R. Steinberg, Ph.D., University of Maryland, College Park, MD
- P-837 ASSOCIATION OF PSYCHOSOCIAL STRESS WITH OVARIAN FUNCTION IN YOUNG CANCER SURVIVORS.** Jayeon Kim, MD, MPH¹, Brian W Whitcomb, PhD², Brian Kwan, PhD³, Sally A. D. Romero, PhD, MPH³ and H. Irene Su, M.D., M.S.C.E.³, ¹CHA Fertility Center Seoul Station, Obstetrics and Gynecology, Seoul, Korea, Republic of (South), ²University of Massachusetts, Amherst, Amherst, MA, ³University of California San Diego, La Jolla, CA
- P-838 ASSOCIATIONS BETWEEN QUALITY OF LIFE, SOCIODEMOGRAPHICS AND MILITARY CHARACTERISTICS IN A US VETERAN POPULATION WITH INFERTILITY.** Mary K Skalitzky, BA¹, Michelle A Mengeling, MS, PhD², Andrea Holcombe, MS, PhD², Amy M.J. O'Shea, PhD², Karen M Summers, MPH CHES³ and Ginny L Ryan, MD, MA⁴, ¹University of Iowa Carver College of Medicine, Iowa City, IA, ²Iowa City VA Health Care System, Iowa City, IA, ³University of Iowa, Iowa City, IA, ⁴University of Iowa Hospitals and Clinics, Iowa City, IA
- P-839 HEALING ENVIRONMENT IN THE FERTILITY CLINIC.** Hoa T Nguyen, MD and Emily A Evans-Hoeker, MD, Carilion Clinic, Roanoke, VA
- P-840 EMOTIONAL WELL-BEING DURING FERTILITY TREATMENT: A RANDOMIZED CONTROLLED TRIAL TO EVALUATE THE USE OF AN ONLINE LEARNING PLATFORM AS A RESOURCE.** Abigail L Bernard, MD¹, Ashley K Barbour, MPhys², Jody L Madeira, Ph.D., J.D.³, Steven R. Lindheim, M.D.⁴ and Linnea R Goodman, MD¹, ¹University of North Carolina, Raleigh, NC, ²Brody School of Medicine at East Carolina University, Greenville, NC, ³Professor of Law, Bloomington, IN, ⁴Wright State University, Dayton, OH

PD5-02 POSTER SESSION: NUTRITION AND LIFESTYLE

- P-841 PERINATAL EXPOSURE TO HIGH DIETARY AGES DELAYS PUBERTY ONSET AND DISRUPTS FOLLICULOGENESIS IN FEMALE OFFSPRING.** Zaher Merhi, MD, HCLD¹, Xiu-Quan Du, N/A² and Maureen Charron, Ph.D.², ¹SUNY Downstate University and New Hope Fertility Center, New York, NY, ²Albert Einstein College of Medicine, Bronx, NY
- P-842 GETTING STRAIGHT TO THE POINT: DOES INDIVIDUALIZED PRE- AND POST-EMBRYO TRANSFER ACUPUNCTURE INCREASE PREGNANCY RATES?** Lauren Grimm, M.A., Kate Phillippi, L. Ac, Lamya Kamel, L.Ac, Dipl. OM, DAOM and Roohi Jeelani, MD, Vios Fertility Institute, Chicago, IL
- P-843 IMPACT OF ACUPUNCTURE AND TRADITIONAL CHINESE MEDICINE (TCM) ON FROZEN EMBRYO TRANSFERS (FET) OF AUTOLOGOUS EMBRYOS WITH COMPREHENSIVE CHROMOSOMAL SCREENING (CCS): A RETROSPECTIVE COHORT STUDY.** Lee Hullender Rubin, DAOM¹, Carmelo S Sgarlata, M.D.², Morgan Hogue, MAcOM², Lisa Pate, MAcOM², Elizabeth Richards, MAcOM², Lisa K Tongel, MAcOM² and Hong Jin, DAOM, MD(PRC)³, ¹Osher Center for Integrative Medicine University of California San Francisco, San Francisco, CA, ²ORM Fertility, Portland, OR, ³Oregon College of Oriental Medicine, Portland, OR
- P-844 SUNNY SIDE UP? THE ROLE OF VITAMIN D IN FOLLICULAR DEVELOPMENT IN WOMEN OF ADVANCED MATERNAL AGE UNDERGOING INTRAUTERINE INSEMINATION** Christy Oso, B.A.¹, Nepheli Raptis, B.A., M.A.¹, Emma Radley, M.A.¹, Hanna Mandell, M.A.¹, Lauren Grimm, M.A.¹, Jessi Anderson, MPH¹, Zoran J Pavlovic, M.D.², Angeline Beltsos, MD¹ and Roohi Jeelani, MD¹, ¹Vios Fertility Institute, Chicago, IL, ²Rush University Medical Center, Chicago, IL

POSTER PRESENTATIONS

- P-845 EFFECTS OF DAIRY INTAKE TO PREGNANCY OUTCOME AMONG WOMEN IN THE UNITED STATES.** Liang Yu, PhD¹ and Tina Duong Cunningham, PhD², ¹Eastern Virginia Medical School, ²Eastern Virginia Medical School, Norfolk, VA
- P-846 VITAMIN D SUPPLEMENTATION PROTOCOLS AND BASELINE CHARACTERISTICS IN WOMEN SEEKING FERTILITY CARE.** Alex Finlinson, MD, Oluwafunmilayo Ogunremi, MD², Andrea Goldstein, BS², Brittany N Carson, BS², Sadeq Quraishi, MD³ and Albert L Hsu, MD⁴, ¹University of Missouri, Columbia, MO, ²Tufts Medical Center, Boston, MA, ³Department of Reproductive Endocrinology and Infertility; University of Missouri, Columbia, MO
- PD5-03 POSTER SESSION: OVARIAN RESERVE**
- P-847 DIFFERENCES IN FOLLICULAR FLUID CYTOKINE PROFILE IN WOMEN WITH DIMINISHED OVARIAN RESERVE.** Sina Abhari, MD¹, Heather S Hipp, MD¹, Sabrina A. Gerkowicz, MD², Quinton S Katler, MD¹, Laurie J McKenzie, M.D.³, Shang Weirong, PhD¹, Alicia K Smith, PhD¹ and Anna K Knight, PhD¹, ¹Emory University School of Medicine, Atlanta, GA, ²IVFMD, South Florida Institute for Reproductive Medicine, Miami, FL, ³Baylor College of Medicine, Houston, TX
- P-848 TUMOR NECROSIS FACTOR-ALPHA (TNFA) INHIBITORS DO NOT IMPACT OVARIAN RESERVE.** Pamela B. Parker, M.D., M.P.H., Sacha A. Krieg, M.D., Ph.D., David Lee, MD, Thomas O'Leary, PhD, Diana Wu, MD, Bharti Garg, MBBS, MPH and Paula Amato, MD, Oregon Health & Science University, Portland, OR
- P-849 OVARIAN AUTOLOGOUS PLATELET-RICH PLASMA (PRP) TREATMENT IMPROVES OOCYTE AND EMBRYO QUALITY IN WOMEN WITH POOR OVARIAN RESPONSE.** Dimitar Parvanov, PhD¹, Rumiana Ganeva, MSc¹, Nina Vidolova, MSc¹, Kristina Nikolova, MSc¹, Magdalena Vasileva, MSc¹, Ivaylo Stoykov, MSc¹, Fabio Scarpellini, MD² and Georgi Stamenov, MD/PhD¹, ¹Nadezhda Women's Health Hospital, Sofia, Bulgaria, ²Centre for Endocrinology and Reproductive Medicine, Rome, Italy
- P-850 BIOAVAILABLE INHIBIN B (INHB) MAY BE A BETTER MARKER OF OOCYTE YIELD THAN CURRENTLY USED MARKERS OF OVARIAN RESERVE.** Rachel Blair Danis, MD¹, Intira Sriprasert, MD¹, Jacqueline Ho, MD MS¹, Ajay Kumar, PhD², Lynda K McGinnis, PhD³ and Frank Z Stanczyk, PhD¹, ¹University of Southern California, Los Angeles, CA, ²Ansh Labs, Webster, TX, ³Keck School of Medicine, University of Southern California, Los Angeles, CA
- P-851 EFFECT OF NIGHT SHIFT WORK ON ANTI-MULLERIAN HORMONE (AMH) LEVELS IN REPRODUCTIVE-AGED AFRICAN AMERICAN WOMEN (AAW).** Chelsea N Fortin, MD¹, Emma Giuliani, MD¹, Anne Waldo, MS¹, Lia Bernardi, MD², Mercedes Carnethon, PhD² and Erica E. Marsh, MD, MSCI, FACOG¹, ¹University of Michigan, Ann Arbor, MI, ²Northwestern University, Chicago, IL
- P-852 REPEATED APPLICATION OF LUTEAL PHASE ESTRADIOL / GnRH ANTAGONIST PRIMING INCREASES IVF SUCCESS FOR POOR OVARIAN RESERVE PATIENTS.** Temel Ceyhan, M.D. Professor, Mustafa Ozturk, Associate Professor, Ummü Gül Yıldız, MD, Ulas Fidan, Associate Professor, Elif Agacayak, Associate Professor and Cem Korkmaz, Professor, Helth Science Universty Gulhane Medical Faculty, Ankara, Turkey
- PD5-04 POSTER SESSION: OVARIAN STIMULATION**
- P-853 PROGNOSTIC VALUE OF LOW ANTI-MULLERIAN HORMONE LEVEL DURING IVF AMONG YOUNG WOMEN: A SART CORS STUDY.** Papri Sarkar, MD¹, Erika P New, MD, MPH¹, Rachel Grimes Sprague, MD², Jean Tanner, PhD¹ and Anthony N Imudia, MD³, ¹University of South Florida, Tampa, FL, ²Shady Grove Fertility, Washington D.C., DC, ³Department of Obstetrics and Gynecology, Morsani College of Medicine, University of South Florida, Tampa, FL
- P-854 RESVERATROL FOR PREVENTING OVARIAN HYPERSTIMULATION SYNDROME IN WOMEN AT RISK UNDERGOING EGG DONATION: A RANDOMIZED CONTROLLED STUDY.** Israel Ortega, M.D., Ph.D.¹, Abigail Alvarez de la Fuente, B.S.², Sonia Matey, B.S.³, Elizabet

POSTER PRESENTATIONS

- Henzenn, M.D.³, María Cruz, PhD⁴, Alberto Pacheco, PhD³, Antoni Duleba, M.D.⁵ and Juan A Garcia-Velasco, MD, PhD², ¹IVI-RMA Madrid, MADRID, Spain, ²IVI-RMA Madrid, Rey Juan Carlos University, Madrid, Spain, ³IVIRMA Madrid, Madrid, Spain, ⁴IVIRMA Global Headquarters, Madrid, Spain, ⁵University of California San Diego, La Jolla, CA
- P-855** **IMPACT OF BODY HABITUS ON INCIDENCE OF COMPLICATIONS IN PATIENTS HOSPITALIZED WITH OVARIAN HYPERSTIMULATION SYNDROME.** Liat Bainvoll, BS¹, Rachel S Mandelbaum, MD², Meghan B Smith, MD², Caroline Violette, MD², Shinya Matsuzaki, MD, PhD², Jacqueline Ho, MD MS², Kristen Bendikson, MD², Richard J Paulson, MD, MS² and Koji Matsuo, MD, PhD², ¹Keck School of Medicine at USC, Los Angeles, CA, ²University of Southern California, Los Angeles, CA
- P-856** **RELUGOLIX, A NOVEL ORALLY ACTIVE GnRH ANTAGONIST IS EFFECTIVE IN IVF PROTOCOL.** Hideki Igarashi, M.D., Ph.D.¹, Jin Kumagai, M.D., Ph.D.², Mayumi Toya, M.D., Ph.D.¹, Tomoko Hashimoto, M.D., Ph.D.³, Yuya Takeshige, Ph.D.³, Nobuya Aono, Ph.D.¹, Yukiko Nakajo, AS², Hiromitsu Hattori, Ph.D.¹, Tomomi Tosa, MT¹ and Koichi Kyono, M.D., Ph.D.³, ¹Kyono ART Clinic Sendai, Sendai, Miyagi, Japan, ²Kyono ART Clinic Morioka, Morioka, Iwate, Japan, ³Kyono ART Clinic Takanawa, Tokyo, Japan
- P-857** **TYPE OF FOLLITROPIN ALFA FOR OVARIAN STIMULATION WITH MEDROXYPROGESTERONE ACETATE DOES NOT AFFECT CLINICAL OUTCOMES IN A DONOR-RECIPIENT PROGRAM.** María Cruz, PhD¹, Vanessa Vergara, MD² and Antonio Requena, PhD, MD², ¹IVIRMA Global Headquarters, Madrid, Spain, ²Reproductive Medicine Specialist, Madrid, Spain
- P-858** **BASELINE PROGESTERONE ELEVATION AT THE ONSET OF OVARIAN STIMULATION IS NEITHER CORRELATED WITH EMBRYO QUALITY NOR EUPOIDY RATE.** Carlos Hernandez-Nieto, MD¹, Tamar Alkon-Meadows, MD¹, Joseph A. Lee, BA¹, Daniel E. Stein, MD², Alan B Copperman, MD², Benjamin Sandler, MD² and Erkan Buyuk, MD², ¹Reproductive Medicine Associates of New York, New York, NY, ²Icahn School of Medicine at Mount Sinai, New York, NY
- P-859** **COMPARISON OF PROGESTIN-PRIMED OVARIAN STIMULATION AND GnRH ANTAGONIST PROTOCOL IN CLINICAL OUTCOME FOR PCOS PATIENTS.** Yujie Li, Doctor, Sixth Affiliated Hospital of Sun Yat-sen university
- P-860** **THE ASSOCIATION OF AMH WITH ENDOMETRIAL THICKNESS IN GONADOTROPIN STIMULATION/INTRAUTERINE INSEMINATION CYCLES.** Stylianos Vagios, MD, Karissa C Hammer, MD, Caitlin Sacha, MD, Irene Dimitriadis, MD, Charles L Bormann, PhD and Irene Souter, MD, Massachusetts General Hospital, Harvard Medical School, Boston, MA
- P-861** **REDUCTION IN OHSS INCIDENCE IN JAPANESE IVF/ICSI PATIENTS WHEN APPLYING INDIVIDUALIZED DOSING WITH FOLLITROPIN DELTA.** Osamu Ishihara, MD, PhD¹ and Joan-Carles Arce, MD, PhD², ¹Saitama Medical University, Saitama, Japan, ²Ferring Pharmaceuticals, Copenhagen, Denmark
- P-862** **ORAL VERSUS INJECTABLE OVARIAN STIMULATION AGENTS FOR INTRAUTERINE INSEMINATION (IUI) IN WOMEN ≥38 YEARS OF AGE WITH DECREASED OVARIAN RESERVE.** Russell Frank, M.D.¹, Naama Steiner, M.D.¹, Maryam Al-Shatti, M.D.¹, Jacob Ruiter-Ligeti, M.D¹ and Michael H. Dahan, M.D.², ¹McGill University Health Centre, Montreal, QC, Canada, ²Division of Reproductive Endocrinology and Infertility, McGill University Health Care Center, Montreal, QC, Canada
- P-863** **PROGNOSTIC FACTORS OF OVARIAN RESPONSE AFTER FOLLICULAR PROTOCOL WITH MPA TRIGGER WITH GnRH AGONIST.** Juan Giles, M.D., Ph.D.¹, María Cruz, PhD², Pilar Alamá, MD PhD¹, Laura Caracena, MSc¹, Carmen Vidal, MD PhD¹ and Ernesto Bosch, MD, PhD³, ¹IVI-RMA Valencia, Valencia, Spain, ²IVIRMA Global Headquarters, Madrid, Spain, ³IVI-RMA, Valencia, Spain

POSTER PRESENTATIONS

- P-864** **OVARIAN RESERVE PARAMETERS AND IVF OUTCOMES IN 510 WOMEN WITH POOR OVARIAN RESPONSE (POR) TREATED WITH INTRAOVARIAN INJECTION OF AUTOLOGOUS PLATELET RICH PLASMA (PRP).** Yigit Cakiroglu, M.D.¹, Ayse Saltik, M.D.¹, Aysen Yuceturk, M.D.¹, Ozge Karaosmanoglu, M.D.¹, Sule Yildirim Kopuk, M.D.¹, Richard Thomas Scott Jr., MD², Bulent Tiras, M.D.¹ and Emre Seli, MD², ¹M.D., Istanbul, Turkey, ²IVI RMA New Jersey, Basking Ridge, NJ
- P-865** **THE EFFECT OF GROWTH HORMONE ON IVF OUTCOMES DURING OVARIAN STIMULATION: A MATCHED COHORT STUDY.** Jillian Kurtz, DO¹, Nicolle Clements, PhD², Allison Bloom, DO, MPH¹, John J. Orris, DO, MBA¹, Michael J Glassner, MD³ and Sharon H Anderson, PhD⁴, ¹Drexel University/Main Line Fertility, Bryn Mawr, PA, ²Saint Joseph's University, Philadelphia, PA, ³Main Line Fertility, Bryn Mawr, PA, ⁴Drexel University College of Medicine, Philadelphia, PA
- P-866** **RECOMBINANT LUTEINIZING HORMONE ASSOCIATED WITH RECOMBINANT FOLLICLE STIMULATING HORMONE FOR OVARIAN STIMULATION: DECREASED INCIDENCE OF IMMATURE OOCYTES AND BETTER CLINICAL OUTCOMES.** Edson Borges Jr., PhD, Daniela Paes de Almeida Ferreira Braga, PhD, Amanda Souza Setti, MSc and Assumpto Iaconelli Jr., MD, Fertility Medical Group / Sapientiae Institute, Sao Paulo, Brazil
- P-867** **TO CANCEL OR NOT TO CANCEL? USING AN ARTIFICIAL NEURAL NETWORK (ANN) TO PREDICT UTILITY OF OOCYTE RETRIEVAL VS. CYCLE CANCELLATION IN EXTREMELY POOR RESPONDERS** Baruch Abittan, M.D.¹, Jill Karten, M.D.², Alixandra Domney, M.D., M.P.H.², Jesse Stewart, B.A.³, Oren Segal, PhD.³ and Randi H. Goldman, M.D.¹, ¹Northwell Health Fertility, North Shore University Hospital/Donald and Barbara Zucker School of Medicine at Hofstra/Northwell, Manhasset, NY, ²Department of OBGYN, North Shore University Hospital/Donald and Barbara Zucker School of Medicine at Hofstra/Northwell, Manhasset, NY, ³Hofstra University, Hempstead, NY
- P-868** **FRIENDLY PROTOCOL FOR OOCYTE DONORS: FERTILITY OPTIMIZATION IN TIMES OF SOCIAL ISOLATION DUE TO COVID-19?** Anderson S Melo, PHD¹, Camilla TV Paula, MD¹, Thiago L Santos, Student², Victor AC Faria, Student³, Marcelo AF Rufato Sr., Embryologist¹, Rebecca P Barboza, MD¹ and Jorge Barreto, MD¹, ¹FERTILITY CENTER OF RIBEIRÃO PRETO - CEFERP, RIBEIRAO PRETO, Brazil, ²Barão de Mauá University Center, Ribeirão Preto, Brazil, ³University of Ribeirão Preto (UNAERP), Ribeirão Preto, Brazil
- P-869** **CHANGES IN ENDOCRINE PROFILES POST-TRIGGER FOR OOCYTE MATURATION YIELD HIGHER-QUALITY OOCYTES.** Evelyn Minis, MD¹, Kavitha Krishnamoorthy, MD¹, Jacquelyn Loughlin, MD², Peter G MCGovern, MD³ and Sara S. Morelli, MD, PhD¹, ¹Rutgers New Jersey Medical School, Newark, NJ, ²Rutgers New Jersey Medical School, Newark, New Jersey, NJ, ³University Reproductive Associates, NJ, Hasbrouck Heights, NJ
- P-870** **PREDICTORS OF VARIABILITY IN OOCYTE YIELD AFTER SUCCESSIVE CONTROLLED OVARIAN STIMULATION CYCLES.** Jerrine R. Morris, MD, MPH¹, Eduardo Hariton, MD, MBA¹, John Boscardin, PhD² and Martha Noel, MD¹, ¹University of California, San Francisco, Department of Obstetrics and Gynecology, San Francisco, CA, ²University of California, San Francisco, San Francisco, CA
- P-871** **EMBRYOLOGICAL OUTCOME AND HORMONAL PROFILE AFTER DOUBLE STIMULATION IN PATIENTS WITH POOR PROGNOSIS: INTRA-PATIENT PAIRED STUDY.** Bella Martazanova, PhD, Nona Mishieva, PhD, Khava Bogatyreva, PhD, Anna Korolkova, MD and Aydar Abubakirov, PhD, Reproductive endocrinology, Moscow, Russian Federation
- P-872** **CUMULATIVE LIVE BIRTH RATES BETWEEN GnRH-AGONIST AND GnRH-ANTAGONIST PROTOCOL IN ONE ART CYCLE WHEN ALL EMBRYOS TRANSFERRED : REAL-WORD DATA STUDY INCLUDING 17842 WOMEN FROM CHINA.** Jingwei Yang, M.D

POSTER PRESENTATIONS

- P-873** **FREQUENCY AND SEVERITY OF OVARIAN HYPERSTIMULATION SYNDROME (OHSS) AMONG OOCYTE DONORS ACCORDING TO TRIGGER TYPE AND NUMBER OF OOCYTES RETRIEVED.** Diane Tober, PhD¹, Kevin S Richter, PhD², Cristina Garibaldi, MS³, Kezia Mostak, MS³, Shannon Kokjohn, MSc⁴, Raquel Cool, BA⁵, Dougie Zubizarreta, BA³, Natalia Villegas, BS³, Katarina Cook, BS³ and Said Daneshmand, MD⁴, ¹UCSF Institute for Health and Aging, San Francisco, CA, ²Fertility Science Consulting, Silver Spring, MD, ³University of California, San Francisco, San Francisco, CA, ⁴San Diego Fertility Center, San Diego, CA, ⁵We Are Egg Donors, Santa Cruz, CA
- P-874** **WHICH IS MORE PREDICTIVE OVARIAN RESERVE MARKER WHEN THERE IS DISCORDANCE BETWEEN ANTI - MULLERIAN HORMONE AND ANTRAL FOLLICLE COUNT IN PATIENTS WITH DIMINISHED OVARIAN RESERVE, AMH OR AFC?** Kiper Aslan, M.D.¹, Isil Kasapoglu, M.D.², Meltem Koc, M.D.¹, Goktan Kuspinar, PhD. candidate¹, Berrin Avci, M.D., PhD³ and Gürkan Uncu, Prof.¹, ¹Bursa Uludag University Faculty of Medicine, Bursa, Turkey, ²Uludag University School of Medicine, Gynecology and Obstetric ART Center, Bursa, CT, Turkey, ³Uludag University School of Medicine, Bursa, Turkey
- P-875** **FINE TUNING OF RECOMBINANT HUMAN FOLLICLE-STIMULATING HORMONE (R-HFSH) DOSE TO INDIVIDUALIZE TREATMENT: REAL-WORLD DATABASE ANALYSIS OF OVULATION INDUCTION CYCLES FOR TIMED INTERCOURSE OR INTRAUTERINE INSEMINATION.** Anne E Martini, DO¹, Stephanie Beall, MD, PhD², Gilbert L Mottla, MD³, G David Ball, PhD⁴, Brooke Hayward, SM, MBA⁵, Mary C Mahony, PhD, HCLD⁵ and Allison B Catherino, PhD⁵, ¹National Institute of Child Health and Human Development, NIH, Bethesda, MD, ²Shady Grove Fertility Center, Towson, MD, ³Shady Grove Fertility Center, Annapolis, MD, ⁴Seattle Reproductive Medicine Center, Seattle, WA, ⁵EMD Serono, Inc. (a business of Merck KGaA, Darmstadt, Germany), Rockland, MA
- PD5-05 POSTER SESSION: PATIENT EDUCATION AND SUPPORT**
- P-876** **IMPACT OF THE INFERTILITY TREATMENT JOURNEY ON THE MENTAL HEALTH AND RELATIONSHIPS OF INFERTILE PATIENTS AND THEIR PARTNERS.** Jacky Boivin, PhD¹, Alice D. Domar, Ph.D.², Rita Vassena, DVM, PhD³ and Barbara Lynn Collura, MA⁴, ¹Cardiff University, Cardiff, United Kingdom, ²Boston IVF, Waltham, MA, ³Clinica EUGIN, Barcelona, Spain, ⁴RESOLVE: The National Infertility Association, McLean, VA
- P-877** **LIVE BIRTH RATES ARE HIGHER IN NULLIPAROUS WOMEN WHO ARE REFERRED TO A SPECIALTY FERTILITY CENTER BY A HEALTHCARE PROVIDER THAN IN WOMEN WHO ARE SELF-REFERRED.** Audrey J Panko, BS, Lara Lemon, PhD, PharmD and Marie Menke, MD, MPH, Magee Womens Hospital at UPMC, Pittsburgh, PA
- P-878** **DOES A SMARTPHONE-BASED SEMEN ANALYSIS KIT PREDICT AZOOSPERMIA AFTER VASECTOMY?** Josip Vukina, MD¹ and Hanna Pulaski, PhD², ¹UPMC Department of Urology, Pittsburgh, PA, ²Magee Women's Hospital, Pittsburgh, PA
- P-879** **DOES A WEB-BASED APP DECREASE MEDICATION WASTE, MEDICATION ERRORS AND CLINIC MESSAGES DURING IN VITRO FERTILIZATION CYCLES?** Caitlin Elizabeth Martin, MD, MS¹, Michael Lanham, MD², Courtney A Marsh, MD, MPH³ and Kenan Omurtag, MD¹, ¹Washington University School of Medicine, St. Louis, MO, ²University of Michigan, Ann Arbor, MI, ³University of Kansas, Overland Park, KS
- P-880** **AN ANALYSIS OF FERTILITY PODCASTS: WHAT ARE PATIENTS LISTENING TO OUTSIDE OF THE CLINIC?** Virginia-Arlene Acosta Go, MD, Karin Wollschlaeger, MD and Cathlyn Sullivan, DO, Saint Joseph Hospital, Denver, CO
- P-881** **THE EFFECTS OF FEMALE GENITAL MUTILATION ON THE FEMALE SEXUAL FUNCTION: A CROSS-SECTIONAL STUDY.** Ahmed M Abbas, MD¹, Mennatallah Mohamed Samir, MBCh², Reham Maher Abdel-Gaber, MD² and Emad Eldien Kamal Ali, MD², ¹Department of Obstetrics and Gynecology, Faculty of

POSTER PRESENTATIONS

Medicine, Assiut University, Assiut, Egypt,
²Department of Dermatology, Venereology
 and Andrology, Faculty of Medicine, Assiut
 University, Assiut, Egypt

P-882 A PRECONCEPTION LIFESTYLE INTERVENTION IMPROVES SOME GESTATIONAL OUTCOMES AND NEONATAL MARKERS OF ADIPOSITY IN WOMEN WITH OBESITY AND INFERTILITY.

Mehdi Rouissi, PhD¹, Farrah Jean-Denis, MSc², Matea Belan, MSc¹ and Jean-Patrice Baillargeon, Pr¹, ¹Université de Sherbrooke, Sherbrooke, QC, Canada, ²Research Center of the Centre Hospitalier Universitaire de Sherbrooke, Sherbrooke, QC, Canada

P-883 LANGUAGE BARRIERS ON FERTILITY CLINIC WEBSITES IN THE WESTERN REGION.

Kajal Verma, MD¹, Christopher de Haydu, MD², Angela H Liu, MD¹, Melody A Rasouli, MD, MBA¹, Janelle M Jackman, MBBS³, Sriram Eleswarapu, MD, PhD⁴ and Cindy M Duke, MD, PhD⁵, ¹University of Nevada, Las Vegas, Las Vegas, NV, ²University of Miami, Miami, FL, ³New Hope Fertility Center, New York, NY, ⁴University of California, Los Angeles, Los Angeles, CA, ⁵University of Nevada, Las Vegas and Nevada Fertility Institute, Las Vegas, Las Vegas, NV

P-884 IS FERTILITY STATUS ASSOCIATED TO SEXUAL DYSFUNCTION? A COMPARATIVE STUDY IN A MEXICAN FERTILITY CENTER

Edelmiro Garza-Padilla, M.D., Julio C. Rosales, M.D., Pablo Diaz-Spindola, M.D., Karla Alejandra Cantú, M. Sc. and Irving Olaf Morales, M.D., IECH, Monterrey, NL, Mexico

P-885 "ADD-ONS" IN ART: DO PATIENTS RECEIVE HONEST INFORMATION THROUGH FERTILITY CLINICS' WEBSITES?

Valentina Galiano, MD¹, Raoul Orvieto, MD², Ronit Machtinger, MD, PhD², Ravit Nahum, MD², Emanuele Garzia, MD, PhD¹, Patrizia Sulpizio, MD¹, Anna Maria Marconi, MD¹ and Daniel S Seidman, MD², ¹San Paolo University Hospital, Milano, Italy, ²Sheba Medical Center, Ramat Gan, Israel

P-886 MALE REPRODUCTIVE ONCOFERTILITY SPECIALISTS AT NCI DESIGNATED CANCER CENTERS: ASSOCIATION OF WEB SITE CONTENT WITH INSTITUTIONAL RANKING AND LOCATION SOCIODEMOGRAPHICS.

Kassandra E Zaila, B.A.¹, Sriram Eleswarapu,

M.D., Ph.D.¹, Cindy Duke, M.D., Ph.D.² and Christopher de Haydu, M.D.³, ¹University of California, Los Angeles, Los Angeles, CA, ²University of Nevada Las Vegas; Nevada Fertility Institute, Las Vegas, NV, ³University of Miami, Miami, FL

P-887 IMPACT OF AN EARLY PREGNANCY EDUCATION PACKET ON PATIENT QUESTION VOLUME.

Adina Tanen, BS, Ambika Nohria, BA, Youjin Jenny Jang, BA and Paula C. Brady, MD, Columbia University Fertility Center, New York, NY

P-888 ARE THE ONLINE RESOURCES FOR PATIENTS OF NCI CANCER CENTERS ASSOCIATED WITH THE PRESENCE AND VOLUME OF LOCAL FERTILITY CENTERS?

Angela H Liu, MD¹, Christopher de Haydu, MD², Melody A Rasouli, MD, MBA¹, Kajal Verma, MD¹, Janelle M Jackman, MBBS³, Sriram Eleswarapu, MD, PhD⁴ and Cindy M Duke, MD, PhD⁵, ¹University of Nevada, Las Vegas, Las Vegas, NV, ²University of Miami, Miami, FL, ³New Hope Fertility Center, New York, NY, ⁴University of California, Los Angeles, Los Angeles, CA, ⁵University of Nevada, Las Vegas and Nevada Fertility Institute, Las Vegas, Las Vegas, NV

P-889 WHAT DETERMINES HOW PATIENTS ARE COUNSELED REGARDING STIMULATION WITH AUTOLOGOUS OOCYTES?

Eduardo Hariton, MD, MBA¹, Jerrine R. Morris, MD, MPH¹, Aileen Portugal, MD¹, Jake Anderson, MBA² and Marcelle I Cedars, MD¹, ¹University of California, San Francisco School of Medicine, San Francisco, CA, ²FertilityIQ, San Francisco, CA

P-890 DOES THE US NEWS REPORT SCORE OF NCI-DESIGNATED CANCER CENTERS REFLECT ACCESS TO FERTILITY PRESERVATION TREATMENT INFORMATION?

Angela H Liu, MD¹, Christopher de Haydu, MD², Melody A Rasouli, MD, MBA¹, Janelle M Jackman, MBBS³, Kajal Verma, MD¹, Sriram Eleswarapu, MD, PhD⁴ and Cindy M Duke, MD, PhD⁵, ¹University of Nevada, Las Vegas, Las Vegas, NV, ²University of Miami, Miami, FL, ³New Hope Fertility Center, New York, NY, ⁴University of California, Los Angeles, Los Angeles, CA, ⁵University of Nevada, Las Vegas and Nevada Fertility Institute, Las Vegas, Las Vegas, NV

POSTER PRESENTATIONS

- P-891** **COMPLEMENTARY AND ALTERNATIVE MEDICINE CONTENT ON FERTILITY CLINIC WEBSITES IN THE WESTERN REGION.** Kajal Verma, MD¹, Christopher de Haydu, MD², Janelle M Jackman, MBBS³, Angela H Liu, MD¹, Melody A Rasouli, MD, MBA¹, Sriram Eleswarapu, MD, PhD⁴ and Cindy M Duke, MD, PhD⁵, ¹University of Nevada, Las Vegas, Las Vegas, NV, ²University of Miami, Miami, FL, ³New Hope Fertility Center, New York, NY, ⁴University of California, Los Angeles, Los Angeles, CA, ⁵University of Nevada, Las Vegas and Nevada Fertility Institute, Las Vegas, Las Vegas, NV
- P-892** **CHALLENGES OF LACTATION AND BREASTFEEDING AMONG MOTHERS CONCEIVED THROUGH ART - A QUESTIONNAIRE BASED SURVEY.** Rajani Chelladurai, MS, DNB, FMAS, DMAS, Gopinath P P, MD, DGO, FMMC, FICS, FICOG, MBA, Gayathri Devi S S IV, MD, FRM and Hema Vaithianathan, MD, MRCOG, SIMS hospital, Chennai, India
- PD5-06 POSTER SESSION: REPRODUCTIVE SURGERY**
- P-893** **UTERINE DOPPLER BLOOD FLOW EVALUATION OF THE EFFECT OF MISOPROSTOL ADMINISTERED PRIOR TO ABDOMINAL MYOMECTOMY: A RANDOMIZED CONTROLLED TRIAL.** Mohamed Khalaf, MD, Ahmed M Abbas, MD, Asmaa M Hussein, MBBCh and Hazem Saad El-Dein, MD, Department of Obstetrics and Gynecology, Faculty of Medicine, Assiut University, Assiut, Egypt
- P-894** **NEONATAL OUTCOMES AFTER UTERUS TRANSPLANT- DUETS (DALLAS UTERUS TRANSPLANT STUDY).** Liza Johannesson, MD, PhD, Jackie York, MD and Giuliano Testa, MD, Baylor University Medical Center, Dallas, TX
- P-895** **ORAL KETOPROFEN ONE HOUR PRE-PROCEDURE IS EFFECTIVE FOR PAIN RELIEF DURING HYSTEOSALPINGOGRAPHY: A RANDOMIZED CONTROLLED STUDY.** Ahmed M Abbas, MD¹, Marwa Samy, MD², Sara M Hassanein, MD², Mohammed Khairy Ali, MD¹, Ahmed M. Abdelmagied, MD¹, Mohamed Khalaf, MD¹ and Osama S Abdalmageed, MD¹, ¹Department of Obstetrics and Gynecology, Faculty of Medicine, Assiut University, Assiut, Egypt, ²Department of Radiology, Faculty of Medicine, Assiut University, Egypt
- P-896** **IN VITRO FERTILIZATION AND PREGNANCY OUTCOMES AFTER UTERUS TRANSPLANTATION: DUETS (DALLAS UTERUS TRANSPLANT STUDY).** J. Michael Putman, M.D.¹, Lilly Zhang, PhD², Giuliano Testa, MD³, Anthony Gregg, MD³, Robert T Gunby, MD³ and Liza Johannesson, MD, PhD³, ¹Fertility Center of Dallas, Dallas, TX, ²Fertility Center Dallas, Dallas, TX, ³Baylor University Medical Center, Dallas, TX
- P-897** **INTRAPERITONEAL TRIAMCINOLONE MAY REDUCE ADHESION FORMATION THROUGH ALTERATION OF MITOCHONDRIAL FUNCTION.** Ahmad Arabi, MD¹, Neeraja Purandare, PhD¹, Paige Minchella, BS¹, Siddhesh Aras, MBBS, PhD¹, Katherine J Kramer, MD² and Maurice-Andre Recanati, MD-MS¹, ¹Wayne State University School of Medicine, Detroit, MI, ²St. Vincents Catholic Med Ctrs, New York, NY
- P-898** **PREDICTIVE VALUE OF DOPPLER ANALYSIS IN UTERINE TRANSPLANTATION.** Akshaya Jain, MD¹, Liza Johannesson, MD, PhD¹, Giuliano Testa, MD¹, Elizabeth A Eagle, DO¹, Tsung-wei Ma, PhD² and Anthony Gregg, MD¹, ¹Baylor University Medical Center, Dallas, TX, ²Baylor University Medical Center at Dallas, Dallas, TX
- P-899** **HYSTERO-EMBRYOSCOPY A TOOL FOR DIAGNOSIS IN EARLY PREGNANCY LOSS.** Ander M Morales Vicente Sr., DOCTOR, Leisy Rodriguez, DOCTOR, Norman R Gomez Diaz, MD, Sara Fortuño Salais, DOCTOR and Juana Crespo Simó, DOCTOR, JUANA CRESPO MEDICAL TEAM, VALENCIA, Spain
- P-900** **WOMEN WITH A HISTORY OF PRIMARY INFERTILITY HAVE INCREASED RISK OF FUTURE HYSTERECTOMY AND OOPHORECTOMY.** Emily N Sadecki, BA¹, Alessandra J Ainsworth, MD², Lauren Kendall Rauchfuss, MD², Yulian Zhao, Ph.D.², Amy Weaver, MS³ and Elizabeth A Stewart, MD², ¹Mayo Clinic College of Medicine and Science, Rochester, MN, ²Mayo Clinic Department of OB/GYN, Reproductive Endocrinology

POSTER PRESENTATIONS

- and Infertility, Rochester, MN, ³Mayo Clinic Division of Biomedical Statistics and Information, Rochester, MN
- P-901 FALLOPIAN TUBE ENDOMETRIOSIS IN WOMEN UNDERGOING OPERATIVE VIDEO LAPAROSCOPY AND ITS CLINICAL IMPLICATIONS.** Bailey Gill McGuinness, MD¹, Farr R. Nezhath, MD², Lauren Ursillo, MD¹, Meredith Akerman, MS¹, William Vintzileos, MD¹ and Michael White, MD, PhD¹, ¹NYU Winthrop Hospital, Mineola, NY, ²Nezhath Surgery for Gynecology/Oncology, Valley Stream, NY
- P-902 SUCCESSFUL USE OF INTRAUTERINE AMINOGRAFT FOR ASHERMAN SYNDROME: AN EXPANDED CASE SERIES.** Channing Burks, MD¹, Kathryn D Coyne, MD¹ and James H Liu, M.D.², ¹University Hospitals Fertility Center/Case Western Reserve University, Beachwood, OH, ²UH MacDonald Women's Hospital, Cleveland, OH
- P-903 THE PREVALENCE OF SUBTLE DISTAL FALLOPIAN TUBE ABNORMALITIES AND THE RELATIONSHIP WITH ENDOMETRIOSIS IN INFERTILITY PATIENTS: A PROSPECTIVE COHORT STUDY.** Xingbang Zheng, MD¹, Xiaoming Yu, MD¹, Togas Tulandi, M.D., M.H.C.M.², Yaron Gil, MD², He Cai, MD³, Hongjing Han, MD¹ and Jing Guan, MD¹, ¹Peking University People's Hospital, Beijing, China, ²McGill University Health Centre, Montreal, QC, Canada, ³Northwest Women's and Children's Hospital Affiliated to Xian Jiaotong University, Xian, China
- P-904 SURGICAL METHODS FOR ENDOMETRIAL POLYPECTOMY AND ASSOCIATED ENDOMETRIAL INJURY.** Emily Evans-Hoeker, MD, Adrienne Uphoff, MD and James Casey, MD, Carilion Clinic, Roanoke, VA
- P-905 DO REPRODUCTIVE AND OBSTETRIC OUTCOMES AFTER HYSTEROSCOPIC SURGERY FOR DYSMORPHIC UTERUS DIFFER FROM THOSE OF PATIENTS WITH NORMAL UTERINE CAVITY?** Umut Göktürk, md¹, Semra Kahraman, Prof. MD² and Hacer Uyanikoglu, ass.prof³, ¹Istanbul Memorial Sisli Hospital, ISTANBUL, Turkey, ²Istanbul Memorial Sisli Hospital, Istanbul, Turkey, ³Harran Üniversitesi, Şanlıurfa, Turkey
- P-906 CERVICAL CERCLAGE FOR PREVENTION OF PRETERM DELIVERY IN WOMEN WITH CONGENITAL UTERINE ANOMALIES: A CASE SERIES.** Jenna S Hynes, MD, Amanda Rae Schwartz, MD and Sarah K Dotters-Katz, MD, MMHPE, Duke University Medical Center, Durham, NC
- P-907 LAPAROENDOSCOPIC SINGLE-SITE SURGERY VERSUS CONVENTIONAL MULTI-PORT LAPAROSCOPY IN OVARIAN DRILLING: A RANDOMIZED CONTROLLED TRIAL.** Ahmed Mohamed Bahaaeldin Mohamed, M.D¹, Haitham Fathy Gad, M.D¹ and Maya Mahmoud Abdelrazek, Msc², ¹Assistant Professor, Cairo, Egypt, ²Assistant Lecturer, Cairo, Egypt
- P-908 THE EFFECT OF BILATERAL TUBAL LIGATION AND BILATERAL SALPINGECTOMY ON FUTURE OVARIAN RESPONSE DURING IVF CYCLES.** Evan Akiva Reshef, MD¹, Jesse J Hade, MD² and Janet A Foote, PhD³, ¹University of Arizona College of Medicine - Phoenix, Phoenix, AZ, ²Arizona Center for Fertility Studies, Scottsdale, AZ, ³University of Arizona - Phoenix, Phoenix, AZ
- P-909 DETERMINANTS OF SUCCESSFUL PREGNANCY OUTCOME IN ASYMPTOMATIC COMPARED WITH EMERGENT PRESENTATION IN PATIENTS WITH CORNUAL HETEROTOPIC PREGNANCY.** Omosalewa Itauma, MD, MPH¹, Chidinma Abara, MD², Damla C Gonullu, MD¹, Megan Fee, BS¹ and Awoniyi Olumide Awonuga, MD¹, ¹Wayne State University School of Medicine, Detroit, MI, ²Windsor University School Of Medicine, Cayon, MI
- P-910 MANAGEMENT OF CESAREAN SCAR ECTOPIC PREGNANCIES. A COHORT STUDY** Rahana Harjee, MD¹, Natasha K Simula, M.D.¹, Mohamed Ali Bedaiwy, M.D., Ph.D.² and Nicole J Todd, MD¹, ¹University of British Columbia, Department of Obstetrics and Gynaecology, Vancouver, BC, Canada, ²University of British Columbia, Vancouver, BC, Canada
- P-911 THE SAFETY AND EFFICACY OF AMNIOTIC MEMBRANE GRAFT USE IN PATIENTS WITH INFERTILITY: A PILOT STUDY.** Elnur Bababayev, MD, MSc, MaryEllen Pavone, MD and Magdy P Milad, M.D., MS, Northwestern University, Chicago, IL

POSTER PRESENTATIONS

- P-912** **COMPARISON OF SURGICAL OUTCOMES BETWEEN REDUCED-PORT ROBOTIC SURGERY, SINGLE PORT LAPAROSCOPY AND CONVENTIONAL LAPAROSCOPY FOR MYOMECTOMY.** Hye Jeong Hue, MD¹, Yeon Hee Hong, MD.¹, Jung Ryeol Lee, MD, PhD¹, Chang Suk Suh, MD, PhD² and Seok Hyun Kim, MD, PhD.³, ¹Seoul National University Bundang Hospital, Seongnam, Korea, Republic of (South), ²professor, United Arab Emirates, ³Seoul National University College of Medicine, Seoul, Korea, Republic of (South)
- P-913** **PREOPERATIVE UNDERSTANDING OF POSTOPERATIVE MILESTONES AMONG PATIENTS UNDERGOING REPRODUCTIVE SURGERY.** Alexander Kotlyar, MD¹ and Pinar H Kodaman, MD/PhD², ¹Yale School of Medicine, Orange, CT, ²Yale School of Medicine, New Haven, CT
- P-914** **LAPAROSCOPIC GRAVID HYSTERECTOMY FOR MORBIDLY ADHERENT PLACENTA.** Jessica A Reid, MD¹, Lisa L Bayer, MD MPH¹, Amanda M Ecker, MD¹, Joanna Hatfield, MD¹, Alyssa Covelli Colwill, MD MCR¹, Leo Han, MD MPH¹ and Melissa Moffitt, MD², ¹Oregon Health & Science University, Portland, OR, ²Roswell Park Comprehensive Cancer Center, Buffalo, NY
- P-915** **EFFECTIVENESS OF A NEW, LOWER-COST MANUAL HYSTEROSCOPIC TISSUE REMOVAL DEVICE (POLYGON) IN AN OFFICE SETTING.** Jeremy Michael Groll, MD, SpringCreek Fertility, Centerville, OH
- P-916** **REASSIGNED**
- P-917** **RELATIONSHIP BETWEEN MATERNAL BODY MASS INDEX AND MATERNAL ORIGIN OF ANEUPLOIDY.** Dana B McQueen, MD, MAS¹, Lydia Hughes, MD¹, Katrina Merrion, MS², Emily S Jungheim, MD, MSCI¹ and Christina E Boots, MD, MSCI¹, ¹Northwestern Feinberg School of Medicine, Chicago, IL, ²Natera, Inc., CA
- P-918** **OBESITY AND ENDOMETRIUM: PROTEOMICS IN A WELL-PHENOTYPED COHORT.** Emma Giuliani, MD¹, Maya Millette, BS¹, Courtney Julia Burns, BSE¹, Yolanda R. Smith, MD¹, Carol Elias, PhD¹, Henriette A Remmer, PhD¹, Lisa M. Neff, MD² and Erica E. Marsh, MD, MSCI, FACOG¹, ¹University of Michigan, Ann Arbor, MI, ²Northwestern University, Chicago, IL
- P-919** **ASSOCIATION OF LEPTIN WITH TOTAL AND FREE TESTOSTERONE: RESULTS FROM THE NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEYS.** Thiago Fernandes Negris Lima, MD¹, Evgeniya Rakitina, MS², Sirpi Nackeeran, BA², Gustavo Fernandes Negris Lima, MEng³, Himanshu Arora, PhD², Atil Yilmaz Kargi, MD¹ and Ranjith Ramasamy, MD¹, ¹University of Miami, Miami, FL, ²University of Miami Miller School of Medicine, Miami, FL, ³Federal University of Espirito Santo, Vitoria, Brazil
- P-920** **REPRODUCTIVE AND OBSTETRIC OUTCOMES IN MILDLY AND SIGNIFICANTLY UNDERWEIGHT WOMEN UNDERGOING IN VITRO FERTILIZATION.** Phillip A Romanski, MD¹, Pietro Bortoletto, MD¹, Alice Chung, BA², Brady I Magaoy, BA² and Steven Spandorfer, MD¹, ¹The Ronald O. Perleman and Claudia Cohen Center for Reproductive Medicine, Weill Cornell Medicine, New York, NY, ²Weill Medical College of Cornell University, New York, NY
- P-921** **EFFECT OF ABDOMINAL FAT ON INTRACYTOPLASMIC SPERM INJECTION CYCLES: PRELIMINARY RESULTS.** Alaa A Makhlof, Msc, Mohammed Khairy Ali, MD, Ahmed M. Abdelmagied, MD, Dina M Habib, MD, Esraa Badran, MD, Ihab M. El-Nashar, MD, Tarek K. Al-Hussaini, MD, FRCOG and Hosam Salem, MD, Department of Obstetrics and Gynecology, Faculty of Medicine, Assiut University, Assiut, Egypt
- P-922** **OBESE PATIENTS ARE LESS LIKELY TO PURSUE FERTILITY TREATMENT AND TAKE A LONGER TIME TO DO SO, AFTER INITIAL INFERTILITY CONSULTATION.** Anne E Martini, DO¹, Jaclyn Kwal, MD², Samad Jahandideh, PhD³, Kate Devine, MD³, Alan H DeCherney, MD¹, Micah J Hill, DO⁴ and Nancy Durso, MD³, ¹National Institute of Child Health and Human Development, NIH, Bethesda, MD, ²University of Maryland Medical Center, Baltimore, MD, ³Shady Grove Fertility Center, Rockville, MD, ⁴Walter Reed National Military Medical Center, Bethesda, MD

POSTER PRESENTATIONS

- P-923 DOES BODY MASS INDEX IMPACT EMBRYO MORPHOKINETICS?** Luce A Kassi, MD¹, Dana B. McQueen, M.D., M.A.S.², Rafael Confino, BS³, John Zhang, PhD⁴, Anne P. Hutchinson, M.D.⁴, Mary Ellen Pavone, MD, MSCI⁴ and Dana Kimelman, MD⁴, ¹Northwestern University Feinberg School of Medicine, Chicago, IL, ²Northwestern University, Chicago, IL, ³Northwestern Feinberg School of Medicine, Chicago, IL, ⁴Northwestern University Feinberg School of Medicine, Department of Obstetrics and Gynecology, Division of Reproductive Endocrinology and Infertility, Chicago, IL
- P-924 LIVE BIRTH OUTCOMES IN INFERTILE PATIENTS WITH CLASS III AND CLASS IV OBESITY FOLLOWING CONTROLLED OVARIAN HYPERSTIMULATION.** Phillip A Romanski, MD¹, Pietro Bortoletto, MD¹, Brady I Magaoay, BA², Alice Chung, BA² and Steven Spandorfer, MD¹, ¹The Ronald O. Perelman and Claudia Cohen Center for Reproductive Medicine, Weill Cornell Medicine, New York, NY, ²Weill Medical College of Cornell University, New York, NY
- P-925 DOES EXTRA WEIGHT SLOW AN EMBRYO DOWN? THE EFFECT OF MATERNAL BMI ON EMBRYO DIVISION TIMINGS IN WOMEN UNDERGOING IN VITRO FERTILIZATION** Theresa Piquette, MD, Amy Pan, PhD, Jayme Bosler, MD, Robert Rydze, MD and Kate D Schoyer, MD, Medical College of Wisconsin, Milwaukee, WI
- P-926 THE EFFECTS OF OOCYTE DONOR AND RECIPIENT BODY MASS INDEX ON LIVE BIRTH RATES AND PREGNANCY OUTCOMES FOLLOWING ASSISTED REPRODUCTION.** Jiaxin Xu, MPH¹, Heather S Hipp, MD², Sarah M Capelouto, MD³, Zsolt Peter Nagy, MD, PhD⁴, Daniel B Shapiro, MD⁴, Jessica B Spencer, MD, MSc⁵ and Audrey J Gaskins, ScD¹, ¹Emory University, Rollins School of Public Health, Atlanta, GA, ²Emory University School of Medicine, Atlanta, GA, ³University of Texas Southwestern Medical Center, Dallas, TX, ⁴Reproductive Biology Associates, Atlanta, GA, ⁵Emory University School of Medicine, Division of Reproductive Endocrinology and Infertility, Atlanta, GA
- P-927 OBESITY DOES NOT IMPACT ANEUPLOIDY RATES OR MITOCHONDRIAL DNA COPY**
- NUMBER IN PATIENTS UNDERGOING PREIMPLANTATION GENETIC TESTING FOR ANEUPLOIDY.** Wes Urian, MD¹, Molly Siegel, MD¹, Pamela B. Parker, M.D., M.P.H.², Bharti Garg, MBBS, MPH², Paula Amato, MD², Diana Wu, MD², David Lee, MD², Thomas O'Leary, PhD² and Sacha A. Krieg, M.D., Ph.D.², ¹Oregon Health and Science University, Portland, OR, ²Oregon Health & Science University, Portland, OR
- P-928 EFFECT OF BODY MASS INDEX (BMI) ON PREGNANCY OUTCOMES IN FROZEN-THAWED BLASTOCYST TRANSFER (FET) CYCLES.** Adrienne R Schmidt, MD¹, Prachi N Godiwala, MD², Reeva B Makhijani, MD², Chantal Bartels, MD², John Nulsen, MD², Claudio A Benadiva, MD², Daniel R Grow, MD² and Lawrence Engmann, MD², ¹University of Connecticut School of Medicine, Farmington, CT, ²Center for Advanced Reproductive Services, University of Connecticut School of Medicine, Farmington, CT
- P-929 TIPPING THE SCALE: BODY MASS INDEX AS A PREDICTOR OF EMBRYONIC MITOCHONDRIAL DNA CONTENT.** Lauren Grimm, M.A.¹, Zoran J Pavlovic, M.D.², Nepheli Raptis, B.A., M.A.¹, Emma Radley, M.A.¹, Hanna Mandell, M.A.¹, Christy Oso, B.A.¹, Jessi Anderson, MPH¹, Shawn Zimmerman, PhD, HCLD³, Angeline Beltsos, MD¹, Amber R Cooper, MD⁴ and Roohi Jeelani, MD¹, ¹Vios Fertility Institute, Chicago, IL, ²Rush University Medical Center, Chicago, IL, ³Vios Fertility Institute, Swansea, SC, ⁴Vios Fertility Institute St Louis, St. Louis, MO

ABSTRACTS TOPIC INDEX

Access to Care	O-7, O-9, O-41, O-117, O-123, P-03, P-04, P-172, P-174, P-180, P-337, P-922
Access to Care (ART Techniques)	P-384
Access to Care (Contraception/ Family Planning)	O-12, P-161, P-163, P-164, P-166
Access to Care (Female Infertility Diagnosis and Treatment)	O-10, O-124, O-150, P-02, P-05, P-07, P-385, P-391, P-889
Access to Care (Fertility Preservation)	O-53, O-64, O-125, O-159, O-162, O-204, P-09, P-181, P-185, P-307, P-361, P-366, P-374
Access to Care (Male Reproduction)	O-68, P-328, P-640, P-661
Access to Care (Patient Support)	O-11, O-66, O-120, O-148, O-167, O-217, P-08, P-10, P-11, P-178, P-183, P-339, P-375, P-876, P-883, P-886, P-891
Access to Care (Practice Management)	O-8, O-32, O-165, P-01, P-167, P-170, P-175, P-176, P-177, P-182, P-748, P-877
Access to Care (Third Party Reproduction)	P-402, P-409
Adenomyosis	O-195, P-237, P-259, P-265, P-355
Adoption	O-157
Advanced Reproductive Technology	V-01, V-09, V-12
Age as a Factor (Female Infertility Diagnosis and Treatment)	P-278, P-280, P-281, P-291, P-386, P-399, P-844
Age as a Factor (Fertility Preservation)	O-199, P-302, P-304, P-305, P-362, P-374
Age as a Factor (Male Reproduction)	O-140, O-142, O-230, P-629, P-665, P-666, P-675, P-684, P-691, P-703, P-712
Age as a Factor (Preimplantation Genetic Testing)	P-757, P-768, P-772, P-785, P-792, P-794, P-800
Androgen Excess	O-35, O-102, P-719, P-727, P-731, P-735, P-738, P-740, P-830
Animal and Experimental Studies	O-42, O-175, O-176, O-177, O-178, O-179, O-180, O-241, O-242, O-243, P-158, P-188, P-275, P-563, P-565, P-566, P-568, P-570, P-579, P-580, P-584, P-587, P-591, P-593, P-600, P-606, P-819
ART Hormone Treatment	P-116, P-118, P-132, P-137, P-138, P-140, P-144, P-155, P-157, P-357, P-470, P-482, P-527, P-852
ART Lab	P-753
ART Long-term Pregnancy Risks	O-156, P-41, P-376, P-380, P-383, P-389, P-392, P-433, P-464, P-499
ART Offspring	O-261, O-262, O-264, P-39, P-380, P-392, P-447, P-461, P-467, P-493, P-499
ART Outcomes (Practice Management)	P-388, P-394, P-395, P-743, P-745, P-746
ART Outcomes (Preimplantation Genetic Testing)	O-3, O-135, P-754, P-759, P-763, P-764, P-767, P-772, P-778, P-786, P-790, P-791, P-794, P-795, P-796, P-797, P-798, P-800, P-804, P-811
ART Procedures and Techniques	O-32, P-01, P-388, P-394, P-395, P-743, P-744
Artificial Intelligence (ART Lab)	O-95, O-181, O-183, P91, P-54, P-76, P-77, P-79, P-82, P-83, P-84, P-85, P-86, P-88, P-89, P-92, P-94, P-95, P-97, P-100
Artificial Intelligence (ART Techniques)	O-170, P-150, P-153, P-156, P-749

ABSTRACTS TOPIC INDEX

Artificial Intelligence (Pre-Clinical and Basic Research)	P-468
Artificial Intelligence (Public Health and Reproduction)	P-785
Azoospermia/Oligospermia	O-58, O-67, O-71, O-87, O-88, O-89, O-143, P-646, P-648, P-656, P-657, P-664, P-669, P-677, P-683, P-685, P-702, P-704, P-713
Basic Reproductive Research- Other	O-34, O-81, O-83, O-97, O-180, O-192, P-247, P-514, P-567, P-568, P-569, P-572, P-577, P-599, P-613, P-617
Cancer Treatment and Reproduction	O-50, O-51, O-53, O-54, O-202, O-204, P-294, P-297, P-301, P-334, P-359, P-362, P-364, P-366, P-367, P-369, P-370, P-372, P-373, P-374
Complementary and Integrative Medicine	P-281, P-288
Complimentary and Integrative Medicine (Patient Support)	P-891
Contraception	O-12, O-25, O-26, O-27, O-28, O-29, O-30, P-160, P-161, P-163, P-164, P-165, P-878
Cost and insurance Coverage (Patient Support)	O-11, O-120, O-148, O-218, P-08, P-750, P-879
Cost and Insurance Coverage (Practice Management)	O-8, O-32, O-119, O-163, P-01, P-395, P-744, P-745, P-748
Cryopreservation	O-91, O-92, O-93, O-94, O-95, O-96, P-26, P-51, P-131, P-135, P-186, P-187, P-189, P-190, P-192, P-193, P-194, P-195, P-196, P-760
Diabetes	P-732
Donor Embryos	O-136, O-248, P-415
Donor Gametes-Oocytes	O-31, O-118, O-145, O-252, P-402, P-403, P-405, P-406, P-407, P-409, P-410, P-412, P-413, P-416, P-417, P-419, P-420, P-421, P-423, P-425, P-426, P-427, P-428
Donor Gametes-Sperm	O-247, O-249, O-250, P-400, P-401
Early Pegnancy	P-292
Early Pregnancy - Genetic Testing	O-112, O-113, P-205
Early Pregnancy - Hormone Levels	P-198, P-200, P-206, P-209, P-212
Early Pregnancy - Other	O-111, P-199, P-210, P-211, P-213, P-216
Early Pregnancy Loss	O-109, O-110, O-111, O-113, O-114, P-200, P-202, P-203, P-204, P-205, P-207, P-210, P-211, P-212, P-217
Embryo Biology	O-34, O-82, O-175, O-241, P-573, P-574, P-587, P-589, P-590, P-594, P-597, P-609, P-612, P-614
Embryo Biopsy	O-170, O-173, P-107, P-120, P-139, P-529, P-788
Embryo Culture	O-14, O-15, O-17, O-18, O-106, O-107, O-108, O-182, P-12, P-13, P-18, P-20, P-21, P-27, P-29, P-31, P-34, P-35, P-37, P-51, P-53, P-54, P-55, P-57, P-63, P-68, P-73, P-74, P-86, P-87, P-93, P-97, P-98, P-194, P-338, P-722, P-923
Embryo Selection	O-13, O-14, O-18, O-96, O-103, O-106, O-181, O-183, O-185, P-18, P-20, P-21, P-25, P-27, P-30, P-32, P-33, P-37, P-50, P-56, P-60, P-64, P-67, P-68, P-69, P-77, P-79, P-82, P-83, P-84, P-87, P-89, P-92, P-93, P-95, P-99, P-100, P-109, P-450, P-476, P-760, P-923

ABSTRACTS TOPIC INDEX

Embryo Transfer	P-104, P-105, P-106, P-108, P-124, P-125, P-127, P-128, P-142, P-146, P-149, P-156, P-352, P-459, P-470, P-482, P-502, P-515, P-526, P-537, P-541, P-554
Embryos	O-14, O-15, O-17, O-18, O-93, O-103, O-107, P-23, P-25, P-32, P-33, P-35, P-37, P-38, P-47, P-50, P-52, P-56, P-63, P-69, P-74, P-76, P-190, P-270, P-925
Endocrinology	O-19, O-20, O-21, O-24, O-100, O-161, P-320, P-721, P-731, P-739, P-821, P-829, P-831, P-834, P-835, P-921
Endometrial Biology	O-82, P-235, P-236, P-243, P-583, P-591, P-592
Endometriosis	O-131, O-158, O-160, O-187, O-188, O-189, O-190, O-191, P-232, P-233, P-237, P-239, P-240, P-242, P-245, P-246, P-248, P-249, P-250, P-251, P-252, P-253, P-254, P-255, P-261, P-262, P-263, P-265, P-266, P-267, P-268, P-269, P-347, P-901
Endometriosis-Basic (Female Reproductive Surgery and Gynecology)	O-188, O-189, P-253, P-263, P-265
Endometriosis-Basic (Pre-Clinical and Basic Research)	O-192, P-234, P-238, P-247, P-616
Endometrium	O-192, O-244, P-243, P-514, P-559, P-575, P-584, P-592, P-918
Environment and Reproduction	O-40, O-41, O-198, P-180, P-272, P-273, P-274, P-276, P-842, P-917
Environment and Toxicology	O-37, O-42, O-97, P-275, P-586, P-602
Environmental Causes and Factors (Female Infertility Diagnosis and Treatment)	O-39, P-291, P-844, P-845
Environmental Causes and Factors (Male Reproduction)	O-38, O-72, P-271
Ethics	O-117, P-335
Ethics (Genetics)	O-45
Ethics (Patient Support)	O-116
Ethics (Practice Management)	O-115, O-119, P-167
Ethics (Public Health and Reproduction)	P-807
Ethics (Third Party Reproduction)	O-118, P-401, P-424
Fallopian Tubes	P-605
Family Planning	O-28, O-30, P-160, P-161, P-163, P-164, P-166
Fellow Education	O-235, O-236, O-237, P-224
Female Reproductive Hormones	O-190, O-196, P-253, P-598
Female Reproductive Surgery	O-131, P-254, P-286, P-350, P-894, P-897, P-900, P-906, P-909, P-911, P-914, P-915
Female Reproductive Tract	O-197, P-162, P-735, P-738, P-828, P-830
Female Sexuality	P-279
Fertility Preservation	P-280
Fertility Preservation - Cancer	O-51, O-52, O-53, O-54, O-64, O-159, O-162, O-202, O-203, O-204, P-294, P-295, P-301, P-306, P-334, P-358, P-359, P-360, P-361, P-362, P-363, P-364, P-365, P-368, P-370, P-371, P-888, P-890
Fertility Preservation - LGBTQ Reproductive Issues	O-219, O-220, P-228

ABSTRACTS TOPIC INDEX

Fertility Preservation - Non-cancer	O-162, O-200, P-228, P-293, P-298, P-300, P-301, P-302, P-303, P-304
Fertility Preservation - Planned Oocyte Cryopreservation	O-52, O-125, O-199, O-200, O-201, P-228, P-296, P-298, P-299, P-302, P-304, P-307, P-358, P-359, P-366, P-370
Fertilization	P-568
Fibroid Treatment	O-208, P-315, P-316, P-318, P-319
Fibroid Treatment- Nonsurgical	O-1, O-205, O-206, P-308, P-315, P-316
Fibroid Treatment- Surgical	O-207, P-317, P-897, P-912
Fibroids-Basic	O-209, O-210, P-309, P-311, P-312, P-313, P-314, P-315, P-318
Follicle Monitoring	P-114, P-128, P-129, P-136, P-148, P-353, P-357, P-749
Genetic Counseling (Genetics)	O-43, O-44, O-45, O-46, O-47, O-48, P-321, P-322, P-323, P-324, P-325, P-326, P-327
Genetic Counseling (Patient Support)	O-66
Genetic Counseling (Preimplantation Genetic Testing)	O-78, P-768, P-779, P-801
Genetic Counseling (Third Party Reproduction)	O-249, P-403, P-414
Genetic Screening	O-43, O-46, O-47, P-322, P-323, P-326, P-618, P-622, P-623, P-624, P-625, P-626, P-813
Gestational Carriers	O-118, O-251, P-404, P-414, P-418, P-429
Gynecology	O-128, P-245, P-246, P-284, P-286, P-313, P-316, P-897, P-909, P-910
Health Disparities	O-7, O-117, O-123, O-126, O-198, P-04, P-180, P-329, P-332, P-335, P-337, P-919, P-922, P-924
Health Disparities (ART Lab)	P-338
Health Disparities (ART Techniques)	P-896
Health Disparities (Contraception/ Family Planning)	O-12, P-166
Health Disparities (Female Infertility Diagnosis and Treatment)	O-121, P-05, P-07, P-283, P-340
Health Disparities (Fertility Preservation)	O-64, O-125, O-199, O-202, O-219, P-09, P-307, P-334, P-361, P-364
Health Disparities (Male Reproduction)	O-72, P-328, P-336, P-696
Health Disparities (Patient Support)	O-11, P-10, P-11, P-375, P-883
Health Disparities (Practice Management)	O-165
Health Disparities (Public Health and Reproduction)	P-796
Health Disparities (Third Party Reproduction)	O-31, O-250, P-402, P-409, P-411, P-414
HPO Axis	O-20, O-23, O-33, O-98, P-227, P-834
Human Studies	O-34, O-83, P-169, P-235, P-506, P-514, P-559, P-573, P-575, P-577, P-581, P-583, P-589, P-590, P-608, P-611, P-615, P-847, P-898
Hysteroscopy	O-85, O-208, P-344, P-899, P-902, P-904, P-905, P-911, P-913, P-915
ICSI	O-4, O-16, O-94, P-24, P-35, P-36, P-61, P-71, P-72, P-85, P-96
Imaging (Early Pregnancy)	P-204, P-213

ABSTRACTS TOPIC INDEX

Imaging (Female Infertility Diagnosis and Treatment)	O-127, O-129, P-345, P-348
Imaging (Female Reproductive Surgery and Gynecology)	O-128, O-130, O-131, O-132, P-246, P-284, P-344, P-347, P-350, P-354, P-356, P-893, P-895
Imaging (Male Reproduction)	P-346, P-676
Implantation	P-575, P-585, P-591, P-592, P-603, P-898
In Vitro Maturation of Oocytes	P-17, P-49, P-115
Insulin Resistance	O-100, P-719, P-721, P-727, P-821, P-921
Intrauterine Insemination (ART Techniques)	P-121, P-129, P-132, P-144, P-152, P-357
Intrauterine Insemination (Female Infertility Diagnosis and Treatment)	O-127, P-287, P-290, P-393, P-844
Intrauterine Insemination (Infertility Treatment Outcomes)	P-380, P-862
IVF	P-107, P-110, P-112, P-113, P-114, P-116, P-119, P-120, P-122, P-127, P-132, P-134, P-142, P-143, P-144, P-151, P-153, P-156, P-470, P-482, P-498, P-515, P-526, P-539, P-749, P-852, P-896
IVF Outcome Predictors- Access to Care	O-138, P-06, P-377
IVF Outcome Predictors- Age	P-343, P-398, P-485, P-511, P-512, P-517, P-530, P-533, P-534, P-540, P-551, P-555, P-761, P-775, P-776
IVF Outcome Predictors- Artificial Intelligence	P-78, P-432
IVF Outcome Predictors- Cryopreservation	O-264, P-471, P-505, P-510, P-520, P-530, P-542, P-761
IVF Outcome Predictors- Embryo Biology	P-431, P-513
IVF Outcome Predictors- Embryo Culture	P-436, P-456, P-513
IVF Outcome Predictors- Embryo Selection	O-260, P-431, P-454, P-485, P-487, P-513, P-516, P-521, P-522, P-543, P-544, P-547, P-548, P-553, P-775, P-808
IVF Outcome Predictors- Embryo Transfer	O-134, O-260, O-261, O-263, P-257, P-430, P-431, P-435, P-436, P-441, P-444, P-453, P-454, P-456, P-457, P-461, P-464, P-469, P-479, P-484, P-486, P-487, P-491, P-499, P-503, P-509, P-510, P-517, P-520, P-547, P-548
IVF Outcome Predictors- Embryos	O-261, P-398, P-471, P-485, P-487, P-521, P-522, P-533, P-534, P-540, P-543, P-544, P-545, P-548, P-550, P-555, P-776
IVF Outcome Predictors- Endometrium	O-133, O-263, O-264, P-241, P-349, P-351, P-430, P-435, P-439, P-444, P-445, P-452, P-453, P-463, P-466, P-472, P-480, P-483, P-484, P-486, P-500, P-503, P-517, P-535, P-536, P-549, P-780
IVF Outcome Predictors- Gestational Carriers	P-469
IVF Outcome Predictors- Health Disparities	O-156, P-41, P-330, P-331, P-333, P-341, P-343, P-455, P-457, P-462, P-464, P-551, P-920, P-928
IVF Outcome Predictors- Hormone Levels	O-134, P-435, P-438, P-451, P-483, P-508, P-530, P-535, P-538, P-555, P-557, P-858
IVF Outcome Predictors- ICSI	P-460, P-473, P-481, P-496, P-504, P-508, P-531, P-550
IVF Outcome Predictors- LH Surge Prevention	P-442
IVF Outcome Predictors- Luteal Phase Support	P-478, P-520, P-557
IVF Outcome Predictors- Oocytes	P-78, P-440, P-443, P-448, P-458, P-477, P-494, P-528, P-533, P-545, P-560, P-916

ABSTRACTS TOPIC INDEX

IVF Outcome Predictors- Other (Infertility Treatment Outcomes)	O-133, O-134, O-137, O-262, P-41, P-383, P-389, P-436, P-437, P-444, P-451, P-455, P-460, P-461, P-465, P-474, P-475, P-486, P-491, P-494, P-496, P-510, P-512, P-518, P-522, P-523, P-524, P-538, P-546, P-551, P-558, P-560, P-843, P-920, P-928
IVF Outcome Predictors- Ovarian Reserve	O-259, P-398, P-443, P-458, P-507, P-534, P-540, P-544
IVF Outcome Predictors- Ovarian Reserve Testing	O-2, P-501
IVF Outcome Predictors- Ovarian Stimulation	O-263, P-78, P-438, P-443, P-449, P-458, P-483, P-488, P-490, P-507, P-532, P-545, P-552, P-556, P-560
IVF Outcome Predictors- PGT	P-434, P-447, P-454, P-467, P-469, P-471, P-497, P-504, P-521, P-543, P-547, P-761, P-775, P-776, P-808, P-858
IVF Outcome Predictors- POI	P-519
IVF Outcome Predictors- Procedures and Techniques	O-133, P-256, P-430, P-477, P-479, P-481, P-484, P-491, P-504, P-780
IVF Outcome Predictors- Progesterone levels	P-446, P-466, P-508, P-557, P-858
IVF Outcome Predictors- Sperm	O-137, P-460, P-481, P-489, P-496, P-525, P-531, P-550
IVF Outcome Predictors- Trigger	P-438, P-451, P-488, P-492, P-495, P-507
Laparoscopy	O-90, O-191, P-237, P-252, P-317, P-347, P-354, P-907, P-912, P-913, P-914
Legal Reproductive Issues (Patient Support)	O-120
Leiomyoma- Basic	O-178, P-310, P-564, P-567
LGBTQ Reproductive Issues (Female Reproductive Endocrinology)	O-221, P-227
LGBTQ Reproductive Issues (Male Reproduction)	O-222
LGBTQ Reproductive Issues (Patient Support)	O-157, O-167, O-217, O-218
Lifestyle and Reproduction	O-151, P-174, P-276, P-335, P-759, P-765, P-842, P-882, P-917, P-919, P-924
Luteal Phase Support (ART Techniques)	O-169, P-146
Luteal Phase Support (Early Pregnancy)	P-201, P-208, P-212
Male Factor ART	O-69, O-232, P-628, P-635, P-636, P-638, P-642, P-646, P-652, P-657, P-663, P-665, P-668, P-674, P-677, P-684, P-686, P-687, P-691, P-694, P-696, P-703, P-704
Male Factor Infertility	O-55, O-57, O-67, O-68, O-70, O-71, O-72, O-87, O-88, O-89, O-139, O-141, O-143, O-152, O-229, O-232, O-234, P-328, P-336, P-346, P-628, P-630, P-633, P-635, P-638, P-643, P-645, P-647, P-652, P-653, P-654, P-656, P-661, P-664, P-665, P-666, P-668, P-672, P-674, P-677, P-680, P-681, P-682, P-686, P-687, P-688, P-695, P-700, P-705, P-706, P-707, P-708, P-709, P-713, P-715
Male Reproduction and Urology	O-55, O-57, O-60, O-139, O-140, O-141, O-142, O-144, O-231, O-233, O-234, P-184, P-630, P-638, P-646, P-648, P-649, P-652, P-658, P-661, P-667, P-671, P-679, P-685, P-688, P-689, P-693, P-695, P-697, P-704, P-710, P-714

ABSTRACTS TOPIC INDEX

Male Reproduction and Urology- SMRU Traveling Scholars	O-55, O-56, O-57, O-58, O-59, O-60, O-68, O-232, P-628, P-655, P-659, P-670, P-700, P-714
Male Reproduction- Basic (Male Reproduction)	O-140, O-229, O-233, O-245, P-637, P-649, P-670, P-684, P-690, P-692, P-696, P-697, P-700, P-714
Male Reproduction- Basic (Pre-Clinical and Basic Research)	P-607, P-639, P-641
Male Reproductive Endocrinology	P-632, P-635, P-644, P-675, P-685, P-697, P-699
Male Reproductive Hormones	O-58, O-234, P-632, P-669, P-673, P-675, P-678, P-707
Male Reproductive Surgery	O-87, O-88, O-89, O-143, O-144, P-648, P-656, P-657, P-658, P-663, P-664, P-667, P-672, P-676, P-678, P-680, P-682, P-705, P-710
Male Sexuality	P-631, P-634, P-699
Medical Student Education	O-240, P-226
Menopause	O-35, O-212
Menstrual Disorders	O-19, O-102, O-194, P-320, P-734
Mental Health	O-146, P-168, P-171, P-173, P-174, P-836
Mental Health (Female Infertility Diagnosis and Treatment)	O-147, O-150, P-05, P-07, P-838, P-839
Mental Health (Female Reproductive Surgery and Gynecology)	P-254, P-267
Mental Health (Fertility Preservation)	O-219, P-185, P-837
Mental Health (Male Reproduction)	P-660
Mental Health (Patient Support)	O-61, O-116, O-148, O-149, P-11, P-183, P-840, P-876
Mental Health (Third Party Reproduction)	O-145, O-252, P-401, P-407, P-408
Metabolic Syndrome	O-154, P-732, P-736
Minimally Invasive Surgery	O-90, P-252, P-317, P-319, P-901, P-903, P-907, P-913, P-914
Mosaicism	O-3, O-151, P-755, P-768, P-770, P-777
Natural Cycle/Low Stimulation IVF	P-130, P-384
Non-IVF Related Outcome Predictors	P-343, P-377, P-379, P-383, P-920
Nursing (Education)	P-225
Nursing (Patient Support)	P-342, P-892
Nutrition (Endocrinology)	O-154, P-832, P-841
Nutrition (Patient Support)	P-10, P-846
Nutrition (Pre-Clinical and Basic Research)	O-155
Obesity and Metabolism	O-146, O-198, P-332, P-765, P-797, P-917, P-919, P-922, P-924, P-926
Office Procedures	P-176, P-177, P-745, P-751
Oocyte Biology	O-37, O-175, O-176, P-562, P-570, P-580, P-588, P-600, P-604, P-718, P-847
Other (ART Lab)	O-184, O-186, P-15, P-19, P-20, P-22, P-24, P-28, P-29, P-31, P-62, P-73, P-74, P-94, P-145, P-191, P-925
Other (Female Reproductive Endocrinology)	O-24, P-159, P-821, P-827

ABSTRACTS TOPIC INDEX

Outcomes	O-15, O-16, O-17, O-96, O-103, O-108, P-16, P-18, P-28, P-32, P-40, P-42, P-44, P-46, P-47, P-50, P-57, P-58, P-59, P-61, P-63, P-65, P-68, P-69, P-72, P-79, P-83, P-86, P-92, P-93, P-117, P-450, P-760
Ovarian Function	O-23, P-159, P-822, P-823, P-825, P-833, P-835, P-848, P-921
Ovarian Hyperstimulation Syndrome	O-226, O-227, P-854, P-855, P-861, P-873
Ovarian Reserve (Endocrinology)	O-122, O-214, O-215, P-824, P-826, P-832, P-851
Ovarian Reserve (Female Infertility Diagnosis and Treatment)	O-211, O-213, O-216, P-278, P-280, P-285, P-287, P-291, P-399, P-849
Ovarian Reserve Testing	P-853, P-874
Ovarian Stimulation	O-227, O-228, P-856, P-860, P-861, P-863, P-866, P-867, P-869, P-870, P-872, P-874
Ovarian Stimulation- High Responders	O-223, O-224, O-225, O-228, P-859, P-861, P-868
Ovarian Stimulation- Poor Responders	P-864, P-865, P-867, P-871, P-872, P-874
Ovaries	O-79, O-176, O-177, O-179, O-180, P-188, P-578, P-580, P-582, P-593, P-610, P-718
Ovulation Induction	P-860, P-866, P-875
Oxidative Stress	O-177, P-593, P-596, P-600, P-611, P-617, P-929
Patient Education	O-62, O-63, O-65, P-222, P-225, P-226
Patient Retention/Satisfaction	O-8, P-179, P-182, P-748, P-752
Pediatric and Adolescent Gynecology (Female Reproductive Endocrinology)	O-161
Pediatric and Adolescent Gynecology (Female Reproductive Surgery and Gynecology)	O-160, P-356
PGT - other	O-74, P-759, P-773, P-787, P-790, P-791, P-795, P-811, P-815
PGTa (aneuploidy)	O-3, O-74, O-77, O-78, P-756, P-763, P-764, P-771, P-772, P-773, P-774, P-777, P-778, P-779, P-781, P-791, P-794, P-795, P-798, P-800, P-801, P-802, P-807, P-809, P-810, P-814
PGTm (monogenic)	O-76, P-793, P-805, P-806, P-807
Pituitary	O-23, O-33
Polycystic Ovary Syndrome (Endocrinology)	O-22, P-716, P-726, P-729, P-730, P-732, P-736, P-737
Polycystic Ovary Syndrome (Female Reproductive Endocrinology)	O-6, O-19, O-21, O-98, O-99, O-100, O-101, O-102, O-246, P-717, P-719, P-720, P-721, P-723, P-724, P-725, P-727, P-728, P-731, P-733, P-734, P-735, P-738, P-739, P-740, P-741, P-742, P-830
Practice Management	O-218, P-178, P-840, P-876, P-887
Practice Management - Other	O-119, O-164, O-168, P-167, P-177, P-394, P-746, P-751
Pregnancy Loss and Termination	O-111, P-202, P-207
Preimplantation Genetic Testing (ART Techniques)	O-73, O-170, O-173, P-108, P-120, P-134, P-527, P-747, P-766, P-782, P-788, P-803
Preimplantation Genetic Testing (Genetics)	O-5, O-45, O-48, O-75, P-322, P-324, P-325, P-619, P-620, P-621, P-626, P-758, P-769, P-783, P-784, P-789, P-799, P-812, P-813
Primary Ovarian Insufficiency (Endocrinology)	O-36
Primary Ovarian Insufficiency (Female Reproductive Endocrinology)	P-823, P-825

ABSTRACTS TOPIC INDEX

Procedures and Techniques (ART Lab)	O-16, O-93, O-94, O-108, O-184, O-186, P91, P-15, P-16, P-24, P-28, P-29, P-31, P-33, P-36, P-43, P-45, P-47, P-51, P-54, P-62, P-71, P-73, P-81, P-97, P-98, P-117, P-135, P-145, P-190, P-192, P-194, P-450
Procedures and Techniques (ART Techniques)	O-171, O-172, O-173, O-174, P-102, P-103, P-106, P-108, P-110, P-111, P-114, P-116, P-118, P-123, P-124, P-126, P-129, P-130, P-133, P-136, P-138, P-141, P-146, P-147, P-148, P-152, P-154, P-459, P-537, P-539, P-554, P-788, P-803, P-852, P-885, P-896
Procedures and Techniques (Female Infertility Diagnosis and Treatment)	O-216, P-283, P-285, P-390, P-396, P-397, P-399, P-849
Procedures and Techniques (Preimplantation Genetic Testing)	O-74, P-762, P-773, P-774, P-777, P-786, P-796
Professional Development	O-236, O-239
Recurrent Pregnancy Loss (Early Pregnancy)	O-109, O-112, P-197, P-207, P-210, P-211, P-214, P-219, P-220
Recurrent Pregnancy Loss (Preimplantation Genetic Testing)	O-78, P-797, P-811
Regenerative Medicine & Stem Cell Biology	O-241, O-242, O-243, P-586, P-587, P-595, P-596, P-602, P-816, P-817, P-818, P-819, P-820
Reproductive Anomalies	O-86, P-284, P-286, P-350, P-356, P-906
Reproductive Biology	O-79, O-80, O-83, O-179, O-243, P-188, P-247, P-506, P-559, P-569, P-570, P-573, P-577, P-578, P-582, P-584, P-585, P-586, P-595, P-596, P-599, P-601, P-602, P-605, P-611, P-617, P-818, P-847
Reproductive Education - Other	O-62, O-65, O-239, O-240, P-222
Reproductive Endocrinology	O-79, P-582, P-601
Reproductive Genetics	O-82, O-84, P-234, P-561, P-576, P-589, P-590, P-605, P-639, P-641
Reproductive Genetics (non-PGT)	O-47, O-48, P-323, P-326, P-618, P-627
Reproductive Hormones	O-20, O-21, O-24, O-98, P-159, P-227, P-320, P-734, P-739, P-740, P-825, P-834, P-850, P-857
Reproductive Immunology	O-253, O-254, O-255, O-256, O-257, O-258, P-229, P-230, P-231
Reproductive Immunology (Pre-Clinical and Basic Research)	P-585, P-601, P-613
Reproductive Surgery (Gyn)	V-03, V-05, V-06, V-07, V-08, V-10, V-11, V-13, V-14, V-15
Resident Education	O-236, O-238, O-239, O-240, P-222, P-224
Robotic Surgery	P-912
Sexuality	O-157, P-881, P-884
Single Parenting	P-339
Social Media	O-164, O-166, P-176, P-182, P-221, P-752, P-880
Sperm	O-104, O-105, P-14, P-15, P-16, P-22, P-40, P-45, P-48, P-61, P-66, P-70, P-71, P-72, P-75, P-80, P-81, P-85, P-90, P-96, P-117, P-145, P-192
Sperm Biology	P-563, P-607
Staff Retention/Satisfaction	P-751
Technology	O-182, O-184, O-186, P91, P-22, P-45, P-80, P-82, P-94, P-96, P-100
Testes (Male Reproduction)	O-233, P-647, P-663, P-669, P-679, P-691, P-703, P-707, P-713

ABSTRACTS TOPIC INDEX

Testes (Pre-Clinical and Basic Research)	P-639
The Web (Education)	O-63, P-223
The Web (Patient Support)	O-66, O-149, P-08, P-178, P-339, P-840, P-879, P-883, P-886, P-891
The Web (Practice Management)	O-115, O-164, P-170, P-179, P-752, P-880
Thin Endometrium Treatment	P-143, P-148, P-554
Third Party Screening	O-249, P-403, P-407, P-422
Thyroid Disease	O-49
Timelapse	O-106, O-107, O-181, O-182, P-12, P-21, P-25, P-27, P-36, P-57, P-76, P-81, P-84, P-87, P-88, P-89, P-98, P-99, P-101, P-270, P-338, P-923, P-925
Toxicology and Reproduction	O-40, P-272, P-274, P-276, P-785
Tubal Disease	P-289
Tubal Surgery	O-90, P-354, P-901, P-903, P-908
Unexplained Infertility (Female Infertility Diagnosis and Treatment)	O-127, O-193, P-277, P-287, P-289, P-378, P-381, P-382, P-385, P-390
Unexplained Infertility (Male Reproduction)	O-67, O-71, O-139, O-229, P-647, P-662, P-674, P-688, P-701, P-711, P-712, P-715
Urology	V-02, V-04
Uterus	O-178, P-234, P-243, P-898
Vaginal Incubator	P-130, P-384
Varicocele	P-346, P-654, P-672, P-676, P-678, P-679, P-680, P-682, P-705, P-709, P-710
Weight as a Factor	O-153, O-154, P-736, P-927

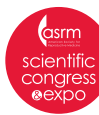
ABSTRACTS AUTHOR INDEX

- Aballa, T. C. P-695
- Abara, C. P-163, P-286, P-909
- Abbas, A. M. O-110, O-207, P-254,
. P-284, P-350, P-508, P-881, P-893, P-895
- Abbaspourrad, A. O-184
- Abbott, D. H. O-100, P-720
- Abboud, S. P-48
- Abdala, A. P-764
- Abdalla, K. V-01
- Abdallah, K. S. P-127, P-284
- Abdalmageed, O. S. P-284, P-508, P-895
- Abdel-Gaber, R. M. P-881
- Abdelaleem, A. A. P-508
- Abdelaleem, M. A. O-110
- AbdElaziz, W. M. P-254
- Abdelghany, A. P-515
- Abdellatif, L. O-111
- Abdelmagied, A. M. O-207, P-127, P-254, P-284,
. P-350, P-508, P-745, P-895, P-921
- Abdelrazek, M. M. P-907
- Abdul Aziz, S. U. O-66
- Abdulhasan, M. A. P-276, P-586, P-602
- Abdulla, H. A. O-13
- Abellan, C. P-323
- Abeyta, M. J. P-788
- Abhari, S. P-847
- Abittan, B. O-151, P-78, P-114, P-221, P-223,
. P-335, P-437, P-464, P-540, P-734,
. P-751, P-776, P-867
- Aboalsoud, A. O-243
- Aboelnasr, M. F. P-254, P-350
- Abou Ghayda, R. P-750
- Abou-Taleb, H. A. P-508
- Abrao, M. S. O-187
- Abu Maizar, A. M. P-456
- Abu-Soud, H. M. P-600, P-823
- Abubakirov, A. P-871
- Abulafia, L. P-549
- Acharya, C. R. P-294
- Acharya, K. S. O-204, P-294, P-747
- Achua, J. K. O-231, P-671
- Ackerman, B. K. P-90
- Acosta, S. O-7
- Actkins, K. V. O-99
- Adamova, P. P-55
- Adaniya, G. P-46
- Adler, A. O-9
- Adriaanse, H. P-58
- Adsit, J. P-758
- Adye-White, L. P-775
- Afrin, S. P-310
- Agacayak, E. P-852
- Agarwal, A. O-229
- Agarwal, A. P-09, P-637, P-649, P-653
- Aghajanova, L. O-238, P-170, P-483
- Agostini, A. F. P-348
- Agudo, D. O-107
- Aguilar, S. O-43, O-46
- Aharon, D. O-52, P-108, P-124, P-205, P-406,
. P-417, P-431, P-445, P-487
- Ahdad-Yata, N. P-440
- Ahmad, K. P-274
- Ahmady, A. O-4, P-13, P-115, P-804
- Ahmed, N. O-179
- Ahumada, A. O. P-193, P-766
- Aihie, N. S. P-679
- Ainsworth, A. J. O-147, P-900
- Akar, G. P-326
- Akerman, F. M. P-48
- Akerman, M. O-16, P-504, P-901
- Akezumi, I. P-191
- Akin, J. W. P-551
- Akopians, A. L. O-106, P-98, P-147, P-484
- Aktuna, S. P-624, P-806, P-815
- Al Badr, M. P-686, P-712
- Al Hussein Alawamlh, O. O-59, O-141, P-346, P-682
- Al Hussein Alawamlh, O. V-02
- Al jayousi, T. M. P-350
- Al Shatti, M. P-129
- Al-Hendy, A. O-1, O-178, O-205, O-206, O-210,
. O-243, P-308, P-309, P-564, P-731
- Al-Hendy, A. P-314, P-316, P-320
- Al-Hussaini, T. K. P-127, P-921
- Al-Safi, Z. P-512
- Al-Shatti, M. P-862
- Alabaster, A. O-29
- Alam, A. P-679
- Alam, R. P-676
- Alamá, P. P-863
- Albani, E. P-755
- Albayrak, O. P-738, P-740
- Albert, A. Y. P-220, P-357, P-775
- Albert, C. P-12
- Albertini, D. F. O-34, O-216, P-134, P-136, P-450,
. P-538, P-582, P-613
- Alcalde, K. M. P-706
- Alciaturi, J. P-493
- Aldrich, M. O-99
- Alegre, L. P-12, P-21, P-83, P-84
- Alegretti, J. P-150
- Alessandri, F. O-85, O-208
- Alessandri, F. O-128
- Alexander, C. J. O-106
- Alexander, V. M. O-215
- Alexander, V. M. O-165
- Alexandrova, S. O-91
- Ali, E. K. P-881
- Ali, M. O-210, P-309, P-314, P-316



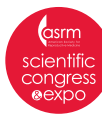
ABSTRACTS AUTHOR INDEX

Ali, M.	O-178, P-564	Aquino, A.	P-416
Ali, M. K.	O-110, P-284, P-745, P-895, P-921	Arab, S.	P-360, P-365
Ali-Bynom, S.	P-148, P-554	Arabi, A.	P-340, P-897
Alkon Meadows, T.	P-435	Aradhya, S.	O-43, O-46, O-74, O-78
Alkon-Meadows, T.	O-133, O-263, P-795, P-858	Arafa, M.	P-634, P-686, P-699, P-712
Allen-Brady, K.	O-36	Araki, Y.	P-36
Allette, K.	P-573	Araki, Y.	P-36
Alley, A. W.	V-08	Aras, S.	P-897
Alonso, R.	P-323	Arav, A.	O-91
Alonzo, P.	P-557	Arbiser, J. L.	P-316
Alouf, C. A.	O-74	Arce, H.	P-93
Alrashid, K.	P-696	Arce, J.	O-188, P-443, P-458, P-560, P-591, P-861
ALRefai, E.	P-254	Aristizabal, P.	O-159
Alsaid, S.	P-634, P-686, P-699, P-712	Arjona Ferreira, J.	O-187, O-196, P-598
Alfieri, M.	O-85, O-128, O-208, P-242, P-353	Arjunan, A.	P-623
Alur-Gupta, S.	P-331	Armstrong, M. A.	O-29
Alvarado, S.	P-555	Arnanz, A.	P-764
Alvarez de la Fuente, A.	P-854	Arnott, A. J.	O-16, P-504
Álvarez-Argüelles, S.	P-133	Arora, H.	O-24, O-231, P-45, P-156, P-385, P-671, P-697, P-797, P-919
Alvero, R. J.	O-121, O-156	Arya, S.	O-253
Aly, J.	P-329, P-330	As-Sanie, S.	O-187
Amadoz, A.	O-82	Asada, Y.	O-182, P-26, P-38, P-57, P-76, P-89
Amari, S.	P-126, P-296	Ashley-Martin, J.	O-215
Amato, P.	O-84, O-102, O-168, P-102, P-423, P-627, P-803, P-848, P-927	Ashraf, M.	P-439
Ambartsumyan, G.	P-430	Ashraf, R.	P-439
Amberg, A.	P-148, P-554	Asiimwe, A.	O-29
Amin, A. F.	P-508	Aslan, K.	P-253, P-738, P-740, P-874
Amoros, D.	O-105, P-14, P-16, P-117	Aston, C. E.	O-98
Anahory, T.	P-557	Åsvold, B.	O-49
Anastácio, A.	O-180, P-593	Atabekoglu, C. S.	P-259
Anav, M.	O-108	Athanasidou, A.	P-200
Anderson, A. R.	O-104, P-139	Athanasidou, A. I.	P-200
Anderson, E.	O-44	Attawet, J.	P-418
Anderson, J.	P-05, P-07, P-889	Attia, G. R.	P-809
Anderson, J.	O-97, P-522, P-550, P-724, P-844, P-929	Au, J. K.	P-95, P-357
Anderson, R. E.	P-190	Auran, E. E.	P-305
Anderson, S. H.	P-533, P-865	Avci, B.	P-253, P-740, P-874
Anderson, T. L.	V-05	Avellino, G. J.	O-233
Andino, J. J.	O-60, O-144, O-167, P-184	Avellino, G.	P-643
Ando, M.	O-33	Awadalla, M. S.	P-115, P-804
Andreeva, A.	O-108	Awonuga, A. O.	P-163, P-286, P-909
Andrusier, M. A.	O-164, P-178	Aycock, H. V.	P-98
Angle, M.	P-141	Ayhan, A.	P-265
Angulo-Llanos, L.	P-679	Azambuja, R.	P-101, P-684
Anspach Will, E.	P-46	Azziz, R.	P-719, P-727
Anthony, M. S.	O-29	Babayev, E.	P-181, P-195, P-808, P-911
Antonelli, C.	P-400, P-401	Babayev, S.	O-235
Antunez Flores, O.	P-250	Bachilova, S.	P-107
Aono, N.	P-856	Badalotti, M.	P-101
Aono, N.	P-188	Badalotti, M.	P-684
Aparicio-Ruiz, B.	P-81, P-99	Badeghiesh, A.	O-6
Apenyo, T. Y.	P-643	Badran, E.	P-127, P-508, P-921
Apolikhina, I. A.	P-143	Baek, K. J.	P-456



ABSTRACTS AUTHOR INDEX

Bafort, C.	O-191	Bartoli, A.	O-44
Bagger, Y.	O-188	Bartolucci, A.	P-96, P-444
Baghlaif, H.	O-6	Basamaklis, E.	P-214
Bahçeci, M.	P-620	Basar, M. M.	O-89
Bahri, H.	O-258	Basheer, R.	P-439
Bahri, O.	P-126, P-296	Bastu, E.	P-141
Bai, D.	P-579	Batcheller, A. E.	P-537
Bai, D.	P-600, P-823	Battrell, J.	P-732
Bailin, A.	O-21	Bauerfeind, A.	O-27, O-190
Baillargeon, J.	P-882	Bavan, B.	P-441, P-479, P-485
Bainvoll, L.	O-226, P-855	Bayer, A. H.	O-261
Baird, D. D.	O-126	Bayer, J.	P-383
Baker, K. M.	P-106, P-298, P-475	Bayer, L. L.	P-914
Baker, M. B.	P-307	Baykal, B.	P-390
Baker, V. L.	P-59, P-746	Bayram, A.	P-764
Bakir, L.	O-243	Beall, S.	P-509, P-875
Balin Duzguner, I. N.	P-388	Becker, C. M.	O-187
Ball, G. D.	O-31, P-509, P-760, P-761, P-875	Bedaiwy, M. A.	O-111, P-197, P-203, P-220, P-775, P-910
Ballesteros, A.	P-17	Bedient, C. E.	P-351, P-524
Baltaci, V.	P-624, P-806, P-815	Bedrick, B. S.	O-32, O-122, P-01
Balthazar, U.	O-104, P-139	Beebeejaun, Y.	P-132
Banaszynski, L.	P-610	Beebeejaun, Y.	O-191, P-125, P-352
Banerjee, B.	P-207	Begum, S.	P-569
Banks, N.	O-152	Behbehani, S.	P-267
Bar-Chama, N.	P-400, P-401	Belan, M.	P-882
Baracat, E. C.	P-495	Bellala, S.	P-547
Barad, D. H.	O-34, O-216, P-134, P-136, P-450, P-538, P-582, P-613	Bellver, J.	O-153
Baram, S.	P-64	Belousov, D. M.	P-143
Barash, O. O.	P-454	Beltrán, D.	O-18, P-81
Baratz, A. Y.	P-288	Beltsos, A.	O-97, P-522, P-550, P-724, P-844, P-929
Barber, G. A.	P-836	Belvin, B. A.	P-50, P-69
Barbour, A. K.	O-62, O-115, P-840	ben Aissia, N.	O-258
Barboza, R. P.	P-868	BEN Aribia, m.	P-709
Barduchi, A. M.	P-192	ben Khelifa, M.	P-677, P-709
Barfield, W. D.	P-41	Ben Rhouma, K.	O-258
Bariani, M. V.	O-210, P-309, P-314	Ben-Shachar, R.	P-623
Barishansky, S.	O-65	Benadiva, C. A.	P-96, P-399, P-444, P-916, P-928
Barishansky, S. J.	O-164, P-178	Bendikson, K.	O-226, P-39, P-115, P-660, P-855
Barker, B.	P-625, P-639, P-641	Bendikson, K. A.	O-4
Barnes, F.	P-773	Benini, F.	P-755
Barnes, F.	O-3	Benites, E. O.	P-146
Barnes, F.	P-774	Benkhalifa, M.	P-677, P-709
Barnes, J.	O-183	BenKhalifa, M.	O-258
Barnett, C.	O-27, O-190	Benlioglu, C.	P-259
Baron, C.	P-514, P-575	Bennett, M. P.	P-661
Barra, F.	O-85, O-128, O-208, P-119, P-242, P-246, P-252, P-266, P-347, P-353	Bennett, N. E.	O-55, O-56
Barreto, J.	P-868	Berenson, A. B.	P-404
Barrionuevo, M. J.	P-472	Berg, W. T.	O-233, P-643
Barritt, J. A.	O-106, P-98, P-147	Berga, S. L.	P-362
Barros, B.	P-416	Bergen, M.	P-306
Barroso, G.	P-620	Berger, D. S.	P-142, P-331, P-433, P-497
Bartels, C.	P-96, P-399, P-444, P-928	Bergh, C.	O-49
		Bergh, P. A.	P-349, P-778
		Bergin, K.	P-452, P-491



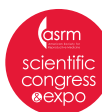
ABSTRACTS AUTHOR INDEX

Beristain, A. G.	O-111	Bori, L.	P-12, P-79, P-83, P-84, P-99
Berk, B. D.	O-88, P-750	Bormann, C. L.	O-70, P91, P-54, P-85, P-86, P-121, P-860
Berkeley, A. S.	O-200	Bortoletto, P.	O-41, O-134, O-250, P-128, P-152, P-200, P-243, P-332, P-333, P-343, P-438, P-451, P-467, P-488, P-507, P-510, P-920, P-924, V-10
Berkowitz, K.	P-278	Boscardin, J.	P-870
Bernard, A. L.	O-62, O-115, P-840, V-11	Bosch, E.	O-264, P-863
Bernardi, L.	O-7, O-109, O-112, O-213, P-851	Bose, G.	P-646
Bernardus, R.	O-247	Bosland, M.	O-178
Berntsen, J.	O-181	Bosler, J.	P-925
Berteli, T. S.	P-43, P-186, P-187	Bossert, N. L.	P-386, P-537
Beshar, I.	P-479	Bossi, R. d.	P-31
Besser, A. G.	O-3, O-45, P-622, P-768	Bosteels, J.	O-191
Bessoff, K.	O-229	Boudhrea, K.	O-258
Best, J. C.	P-645, P-666, P-671	Boulet, S. L.	P-41
Beyhan, Z.	P-48	Bourdon, M.	P-137
Bhakta, S. A.	O-104	Bowman, M.	P-53, P-753
Bhanji, Y.	P-676	Boyer, T.	O-210, P-314
Bhaskar, D.	P-153	Boylan, C.	P-142
Bhattacharya, R.	P-261, P-646, P-730	Brackett, N. L.	P-695
Bhattacharya, S.	P-436	Bradford, A. P.	O-20
Bian, B.	O-163	Brady, A.	O-16, P-504
Bilger, W.	O-163, P-155	Brady, P. C.	P-177, P-366, P-374, P-887
Bilgic, K. O.	P-740	Braga, D. P.	O-39, P-183, P-513, P-652, P-866
Biniyasch, M.	P-285	Braham, M.	P-126, P-296
Biscaldi, E.	P-242, P-252, P-347	Brake, A.	P-773
Bishop, C. V.	P-263	Brandt, A. P.	P-612, P-614
Bishop, L. A.	P-628	Brannigan, R. E.	O-55, O-56
Bjorkman, S.	P-42	Branscombe, L.	V-05
Blachman-Braun, R.	O-234, P-644, P-645, P-666, P-675	Brant, A.	P-705
Blake, L. E.	O-51	Brasile, D.	P-278
Blakemore, J. K.	O-166, O-200, O-202, O-237, O-239, P-257, P-293, P-302, P-303, P-453, P-461, P-499, P-728, P-768	Bremer, P.	P-732
Blesson, C. S.	P-60, P-561	Brennan, J. T.	O-209, P-310
Blitz, M.	P-464	Brennan, K.	P-512
Blockeel, C.	O-114, P-532	Briggs, S.	O-28, P-159, P-825
Bloom, A.	P-865	Briggs Early, K.	P-10
Blum, E.	V-05	Bringer-Deutsch, S.	P-480, P-559
Bochnakova, T.	P-356	Brink, S. M.	P-630
Bodily, B. M.	O-248, P-415	Bristow, S. L.	O-74, O-78
Boecking, K.	O-22	Briton-Jones, C.	O-103, P-18, P-124, P-180, P-402, P-573, P-589, P-590
Boeno, A. C.	P-348	Britten, J. L.	P-828
Bogatyрева, K.	P-871	Britten, J. L.	P-312
Boivin, J.	P-876	Brivanlou, A. H.	O-34
Bollendorf, A.	P-662, P-701	Bronet, F.	O-107
Boltja, C.	P-175	Brouillet, S.	O-108, P-480, P-514, P-559, P-575
Bolumar Recuero, D.	O-82	Brown, A.	P-570
Bondioli, K.	O-174	Brown, C. C.	P-216, P-725
Boostanfar, R.	O-201	Brown, E. C.	O-90
Booth, R.	P-726	Brown, E. L.	O-187
Boots, C. E.	O-71, O-72, O-198, P-222, P-821, P-917	Brown, S. E.	P-149
Bopp, B.	P-46	Brownridge, S. R.	P-174, P-354, P-389, P-420, P-424, P-751
Borahay, M. A.	P-310		
Borges, E.	O-39, P-183, P-513, P-652, P-866		
Borges, E. D.	P-43, P-186, P-187		



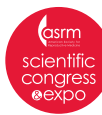
ABSTRACTS AUTHOR INDEX

Brunet, C.	P-559	Cancio-Villalonga, D.	P-133
Brunette, M. A.	P-227	Cancio-Villalonga, D.	P-103
Brunette, M.	P-581	Cantú, K. A.	P-371, P-706, P-884
Bruno-Gaston, J.	P-60	Cao, Y.	P-716
Bryce, R. L.	P-313	Cao, Y.	P-716
Bryk, D. J.	P-08, P-657	Capalbo, A.	P-755
Buchner, G.	P-348	Capalbo, A.	P-326
Buck, K.	P-285	Capelouto, S. M.	O-136, P-411, P-610, P-793, P-926
Buckett, W.	P-360, P-365	Capper, E. A.	P-763
Buerger, J. D.	P-533	Caracena, L.	P-863
Bühler, K. F.	O-163	Carasa, P.	P-103, P-133
Bukulmez, O.	P-544, P-610, P-793	Carbone, L.	O-246
Buldo-Licciardi, J.	O-170	Carizza, C.	P-35, P-72
Buller, D. M.	P-658	Carizza, N.	P-35, P-72
Bulun, S. E.	P-567	Carmody, A. F.	P-90
Buonaiuto, S.	P-326	Carnethon, M.	O-126, O-213, P-313, P-851
Buratini, J.	P-822	Caroselli, S.	P-755
Burjaq, H.	P-712	Carpentier, P. A.	P-240
Burjaq, H.	P-686	Carpinello, O.	O-248, P-415
Burke, C. A.	P-422	Carr, B. R.	O-26, P-179, P-610, P-793
Burks, C.	O-171, P-56, P-902, V-15	Carson, B. N.	P-846
Burks, H. R.	O-22, O-98	Carson, S. A.	P-141
Burnett, T. L.	P-237	Carugno, J. A.	P-472
Burns, C. J.	P-918	Cascante, S. D.	P-302
Buster, J. E.	P-141	Casey, J.	P-904
Bustillo, M.	O-24, P-45, P-385, P-797	Cassis-Bendeck, D.	P-435, P-795
Butler, W.	P-269	Castelbaum, A. J.	O-73, O-77
Buttle, R. A.	P-719, P-727	Castro, E.	O-107
Butts, S.	P-331	Caswell, W.	P-402
Buyuk, E.	O-52, O-133, P-445, P-589, P-590, P-858	Cataldo, N. A.	P-130, P-384
Byrd, S. E.	P-269	Catherino, A. B.	O-186, P-509, P-875
Cabello, Y.	P-103	Catherino, W.	P-312, P-828
Cabello-Pinedo, S.	O-13	Caughey, A. B.	O-76
Cabral, H. J.	O-262, P-107, P-376	Cebert, M.	O-124, O-248, P-342, P-415
Cacciottola, L.	O-203	Cecchino, G. N.	P-577
Cai, H.	P-903	Cedars, M. I.	O-101, O-116, O-146, O-199, P-721, P-889
Cai, H.	P-552	Cedrin-Durnerin, I.	P-557
Cai, J.	P-394	Celia, G.	P-47, P-459
Cai, L.	P-782	Celso Rocha, J.	P-83, P-84
Cai, M.	P-379, P-558	Centurioni, M.	O-85, O-128, O-208
Cai, P. Y.	P-693	Cetinkaya, M.	P-324, P-326
Cai, S.	P-222	Ceyhan, T.	P-390, P-852
Cai, Y.	P-09	Cha, S.	P-196
Cakir, C.	P-253	Chae-Kim, J.	O-51
Cakiroglu, Y.	P-123, P-864	Chaires, M.	O-75
Caldeira, P.	P-416	Chakraborty, A.	P-207
Calderón, G.	O-172	Chakroun, N.	P-126, P-296
Caleshu, C.	P-322	Chamani, I. J.	P-116, P-182, P-638
Callum, P.	O-249	Chan, J. L.	P-719, P-727
Calza, N.	P-66, P-189	Chandra, M.	P-729
Camboni, A.	O-203	Chang, C.	O-55
Cameron, H. G.	P-599	Chang, F. L.	P-227
Campbell, A. L.	P-250	Chang, F. E.	P-330, P-457
Campbell, S.	O-64	Chang, L.	P-653



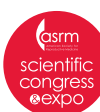
ABSTRACTS AUTHOR INDEX

Chang, S.	O-52, O-227, P-359, P-589, P-590	Christ, J.	O-35, O-131
Chang, T.	P-306, P-612, P-614	Christensen, A. A.	O-76
Chang, W. Y.	O-106	Christianson, M. S.	O-162, P-746
Chantilis, S. J.	P-58	Christy, A. Y.	O-61, O-123, P-279, P-329, P-330, P-337
Charron, M.	P-841	Chtourou, S.	P-296
Chattopadhyay, R.	P-646	Chu, K. Y.	O-231
Chattopadhyay, R.	P-56, P-413, P-541, V-14	Chu, T.	P-265
Chatzicharalampous, C.	P-600	Chua, S.	P-140
Chauhan, S. V.	P-06	Chugh, R.	O-243, P-731
Chauhan, S.	P-111, P-529	Chung, A.	O-137, O-230, P-341, P-920, P-924
Chavarro, J. E.	O-19, O-37, O-194	Chung, E. H.	O-204, P-294, P-409
Chavez-Badiola, A.	P-77, P-88, P-813	Chung, K.	P-456
Chazenbalk, G. D.	O-100, O-246	Chung, P.	O-134, P-128
Check, D. L.	P-662, P-701, P-711	Chuong, F. S.	P-48
Check, J. H.	P-240, P-421, P-428, P-519, P-662, P-701, P-711	Chuxian, M.	P-230
Chehin, M. B.	P-150	Ciebiera, M.	P-316
Chelladurai, R.	P-892	Cimadomo, D.	P-620, P-755
Chen, H.	V-02	Cinar Yapan, C.	P-324
Chen, I. J.	O-4	Ciotti, P.	P-66, P-189
Chen, L.	O-178	Cipriani, L.	P-66, P-189
Chen, M.	P-579	Clausen, K.	P-10
Chen, M.	P-455	Clay-Gilmour, A.	P-614
Chen, P.	P-238	Clements, N.	P-533, P-865
Chen, P.	P-122, P-397, P-525	Co, A.	P-529
Chen, T.	O-84	Cobo, A.	P-542
Cheng, E.	O-3	Coddington, C. C.	P-107, P-376
Cheng, M.	P-756	Coen, N.	P-267
Cheng, P. J.	O-142, P-90, P-659	Cohen, J.	P-141
Cheng, P. J.	O-222	Cohlen, B. J.	O-247
Cherneha, T.	P-789	Collazo, I.	O-24, P-45, P-156, P-385, P-797
Chettier, R.	O-193	Collins, C. M.	P-612, P-614
Cheung, E. O.	O-240, P-11	Collura, B. L.	O-117, P-876
Cheung, S.	P-110, P-481, P-625, P-633, P-790	Colonna, V.	P-326
Chiang, J. L.	O-179, P-167	Colver, R.	P-46
Chiba, L. N.	P-192	Colwill, A. C.	P-914
Chico-Sordo, L.	P-280, P-358	Combs, J. C.	O-248, P-415, P-535, P-780
Chien, M.	P-607	Condon, J.	P-584
Chilvers, R. A.	P-62, P-471, P-794	Confino, R.	O-65, O-109, O-112, P-338, P-363, P-923
Chimote, B. N.	P-109, P-829	Contreras-Rodriguez, N.	O-126, P-313
Chimote, N. M.	P-109, P-829	Conway, F.	O-132
Ching, K.	P-430	Conway, W.	P-574
Chiu, V. Y.	O-29	Cook, K.	P-405, P-419, P-426, P-427, P-873
Chiuve, S. E.	P-250	Cool, R.	P-405, P-426, P-427, P-873
Cho, K.	P-228, P-357, P-470	Cool, R.	P-419
Cho, S.	O-94	Coon, J. S.	P-567
Choe, J.	P-421, P-428, P-519, P-662, P-711	Cooper, A. R.	O-97, O-215, P-929
Choe, S.	P-271, P-273, P-548	Cope, A. G.	P-237
Choi, H.	P-400, P-401	Cope, L.	P-265
Choi, J.	O-176	Copperman, A. B.	O-8, O-52, O-103, O-133, O-154, O-218, O-227, O-263, P-18, P-108, P-124, P-180, P-205, P-359, P-400, P-401, P-402, P-406, P-417, P-431, P-435, P-445, P-487, P-491, P-573, P-589, P-590, P-795, P-858
Chopra, Z.	O-144	Copperman, N.	O-218
Chosed, R. J.	P-612, P-614		
Chou, C.	P-758		
Choudhary, K.	P-774		



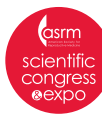
ABSTRACTS AUTHOR INDEX

Coraluzzi, L. M.	O-160	Damiano, G.	P-66, P-189
Córdova-Oriz, I.	P-280	Dampier, W.	P-278
Córdova-Oriz, I.	P-358	Daneshmand, S.	P-405, P-419, P-426, P-427, P-429, P-873
Corley, J.	O-146, P-721	Daneyko, M.	P-180
Cortes, J.	P-422	Dang, T. C.	O-160
Cortes, S.	P-103, P-133	Danielzadeh, R. J.	P-759
Cortessis, V.	O-4	Danis, R. B.	P-13, P-39, P-115, P-660, P-726, P-850
Corti, L.	O-3	Danzer, H.	O-106, P-484
Cosentino, M.	O-132, P-355	Darby, H.	P-102, P-627, P-803
Costa, C. R.	P-626, P-835	Darmon, S. K.	P-136, P-538, P-613
Costa, J.	P-373	Darné, B. M.	P-137, P-557
Costa-Borges, N.	O-172	Dart, C.	P-160
Cottrell, C. M.	P-375	Darwin, K.	O-236
Coutifaris, C.	P-112, P-433	Datla, J.	P-533
Cover, L.	P-149	Davies, J.	P-322
Covington, D.	O-104, P-139	Davis, B.	O-246
Coward, R. M.	O-152	Davis, L. K.	O-99
Coyne, K. D.	P-50, P-69, P-902, V-15	Davis, L. B.	P-760
Cozzolino, M.	O-153, P-578, P-608, P-723, P-787	Davis, O.	O-250, P-152, P-343
Craig, L. B.	O-98	Dawkins, J. C.	P-179, P-544
Craig, W. Y.	O-221	Dayan, A.	P-738
Crain, J. L.	O-225	Dayo, O. M.	P-729
Creinin, M. D.	O-26	de Azevedo, B. C.	O-192
Crespo, A. A.	P-345	De Brucker, M.	O-247
Crespo, E. T.	P-345	De Caro, R. V.	P-70
Crespo, J.	O-13	De Falco, T.	P-275
Crespo Simó, J.	P-899	De Geyter, C.	O-23, P-285
Crespo Simó, J.	P-345	de Greef, R.	P-598
Criado, E.	P-133	de Haydu, C.	P-886
Crochet, J. R.	P-635	de Haydu, C.	P-334, P-339, P-361, P-364, P-883, P-888, P-890, P-891
Cruz, M.	O-107, P-854, P-857, P-863	De La Fuente, E.	P-620
Csokmay, J. M.	P-104, P-743	De la Fuente, G. A.	P-493, P-549
Cui, Y.	P-782	de la Pena, M. O.	P-306
Culwell, K. R.	O-30, P-160	De los Santos, J.	P-21
Cunegatto, B.	P-684	de los Santos, M.	O-18, P-542
Cunegatto, B.	P-101	De Marino, A.	P-326
Cunego, L.	P-591	de Melker, A. A.	O-247
Cunningham, T. D.	P-845	de Moraes, G. F.	P-162, P-722
Cusatis, R.	O-148, P-748	De Munck, N.	P-764
Cutts, G.	P-17	de Quadros, E.	P-645
D'Alessandro, G.	P-119, P-252, P-266	De Vos, A.	O-114
D'Alton, M.	O-150	De Vos, M.	P-532
Dada, R.	P-219	de Ziegler, D.	O-172
Dadhwal, V.	P-219	DeAngelis, A.	P-828
Daftary, G. S.	O-223, O-224, O-225	DeAngelis, A.	P-312, P-743
Dahan, D.	O-228	Debbabi, L.	P-296
Dahan, M. H.	O-6, O-228, P-129, P-717, P-775, P-862	Debnath, S.	P-665, P-811
Dahan, Y.	O-228	DeCherney, A. H.	O-248, P-329, P-330, P-415, P-457, P-477, P-535, P-702, P-743, P-780, P-922
Dai, C.	V-01, V-09	Decia, M.	P-493, P-549
Daignault-Newton, S.	O-60, O-144	Deibert, C. M.	P-673
Dakka, M. A.	P-92, P-100	del Priore, G.	P-375
Dal Canto, M.	P-822		
Dalati, S.	P-53, P-753		
Damaggio, G.	P-326		



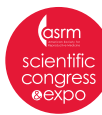
ABSTRACTS AUTHOR INDEX

Delamuta, L. C.	P-495	Doody, K. M.	P-767
Delfino, K.	P-732	Doody, K. J.	P-761, P-767
Dellaqua, T. T.	P-822	Doolittle, J.	V-04
Delpiccolo, M. C.	P-35, P-72	Doolittle, J.	P-09
Deng, C.	P-654	Dopazo, H.	P-766
Deng, C.	P-708	Dornelles, V. C.	P-101
Deng, C.	P-669	Dornisch, A.	O-159
Deng, X.	P-716	Dosdá Munuera, C.	P-133
Denis, D.	P-155	Dotters-Katz, S. K.	P-906
Denomme Tignanelli, M. M.	O-83, O-211	Douglas, N. C.	O-244, P-569
Desai, M.	O-50	Doyle, N.	P-780
Desai, M.	O-54	Drakakis, P.	P-151, P-214, P-292
Desai, N.	P-270, P-545, P-570, P-657	Drakeley, A. J.	P-77, P-88, P-813
Detti, L.	P-824	Drakopoulos, P.	P-532
Detti, L.	P-204	Drews-Botsch, C.	P-213
Devine, K.	O-248, P-104, P-329, P-330, P-415, P-457, P-469, P-517, P-628, P-780, P-922	Du, X.	P-841
Devore, S.	O-200, O-239, P-302	Du, Y.	P-234, P-834
Dhawan, V.	P-219	Du, Y.	P-75
Dhesi, A. S.	P-307	Duarte, C. M.	P-146
Diachenko, L.	P-789	Duarte, O.	P-33, P-626, P-835
Diachenko, L.	P-37	Dubin, J. M.	P-679
Diakaki, C.	P-593	Dudley, V. L.	O-59, O-141, P-346, P-682, P-693
Diakiw, S. M.	P-92, P-100	Duffy, J. M.	O-117, O-191, O-232, P-125, P-132, P-144, P-232, P-287, P-352, P-380
Diamond, M. P.	O-127	Duijkers, I.	O-196
Díaz, C. H.	P-615	Duke, C. M.	P-334, P-339, P-361, P-364, P-883, P-888, P-890, P-891
Diaz-Spindola, P.	P-884	Duke, C.	P-886
Diaz-Spindola, P.	P-502	Dukhovny, D.	O-262
Diaz-Sylvester, P.	P-732	Duleba, A.	P-854
Dickinson, J.	P91	Dumesic, D. A.	O-100, O-246
Dietrich, P. N.	V-04	Dumesic, P. A.	O-246
Dilday, E. A.	O-164, P-178, P-208	Dunn, A.	P-477
Dillon, N. P.	V-05	Dunn, R.	P-111, P-529
Dimitriadis, I.	P-86, P-121, P-860	Dunne, C.	P-228, P-357
Ding, X.	O-246	Duong, S.	O-235, P-412
DiNonno, W.	O-48	Dupree, J. M.	O-60, O-144
Diop, H.	O-262	Dupree, J. M.	P-184, P-642
Dirodi, M.	P-189	Durso, N.	P-922
Discenza, M.	P-327	Dutta, S.	P-276, P-602
Disler, E.	P-201	Duvall, D. W.	P-772
Dodge, L. E.	P-209, P-475	Duvall, D. W.	P-452, P-520
Dokras, A.	P-501	Duzguner, S.	P-388
Dolinko, A. V.	O-21	Dviri, M.	P-64, P-288, P-800
Dolisca, S.	P-54	Dzekunskas, E.	O-174
Dolmans, M.	O-203	D'Hooghe, T. M.	O-163, P-140, P-155
Domar, A. D.	P-876	Eagle, E. A.	P-898
Domingues, T. S.	P-416	Eaton, J. L.	P-409
Dominici, S. A.	P-35, P-72	Ebrahimi Ghaei, R.	P-93
Domney, A.	O-217, P-78, P-114, P-389, P-867	Ecker, A. M.	P-914
Donahoe, P. K.	O-37	Edmonds, J. W.	P-336
Donat, H.	P-225	Edwards, J. R.	P-356
Donnell, R. A.	P-325	Efendieva, Z. N.	P-143
Donnez, J.	O-203, P-482	Eilbeck, K.	P-248
Doody, K.	P-610		



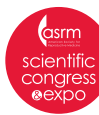
ABSTRACTS AUTHOR INDEX

Eisenberg, M. L.	O-121, P-642, P-700	Estevez, S. L.	P-335
Eisermann, J.	O-24, P-385, P-797	Estrade, J.	P-249, P-255
El qassby, S. G.	O-96	Eubanks, A. A.	P-743
El-Damen, A.	P-764	Evangelisti, G.	O-85, O-128, P-246, P-353
El-Haieg, D. O.	P-515	Evans, M.	P-793
El-Nashar, I. M.	P-127, P-508, P-921	Evans-Hoeker, E.	P-904
Elbardisi, H.	P-634, P-686, P-699, P-712	Evans-Hoeker, E. A.	P-839
Elici, O. U.	O-223, O-224, O-225	Exacoustos, C.	O-132, P-355
Elder, S. C.	P-243, P-466	Fabiani, M.	P-755
Elemento, O.	O-183	Fabiani, M.	P-326
Eleswarapu, S.	P-886	Facadio Antero, M.	P-265
Eleswarapu, S.	P-334, P-339, P-361, P-364, P-883, P-888, P-890, P-891	Fadhlaoui, A.	P-126, P-296
Elgindy, E. A.	P-515	Fainberg, J.	P-705
Elguero, S.	P-452	Falcone, T.	P-270, V-13
Elias, C.	P-918	Falla, E.	O-163
Eliner, Y.	P-452	Fan, Y.	P-581
Elkafas, H.	O-210, P-309	Fang, C.	P-19, P-49, P-122, P-397, P-528, P-812
Elkhatib, I.	P-764	Fang, C.	P-68
Ellimoottil, C.	O-60, O-144, P-184	Fantus, R. J.	O-55
Elliott, S.	P-695	Faquineti, H.	P-192
Ellis, E.	P-573	Farber, N. J.	P-09, P-657
Elloumi, H.	P-677, P-709	Farghaly, T.	O-207, P-127, P-508
Elnugomi, N. M.	P-350	Faria, V. A.	P-868
Elsayad, C.	P-203	Farkas, M.	P-403
Elsharoud, A.	O-243, P-731	Farland, L. V.	O-194, P-376
Elshimy, A.	P-97	Farmer, A.	P-773, P-774
Elvikis, J.	P-181	Farmer, S. E.	P-635
Elwan, D.	P-165	Farquhar, C.	O-117, O-232, P-132, P-144, P-232, P-287, P-380
Elzaky, M.	P-783, P-784	Farrell, A. S.	P-409
Emam, S.	O-110	Farzan Nikou, A.	P-400, P-401
Emiola, A.	O-8	Fassett, M. J.	O-29
Endo, Y.	P-65	Fatemi, H. M.	P-155
Eng, C.	O-229	Fathudinov, T. K.	P-143
Engelhorn, H. J.	P-169, P-565, P-588	Faulkner, N.	O-43, O-78
Engmann, L.	O-123, P-96, P-399, P-444, P-916, P-928	Fazzari, M.	O-260, O-261, P-761
Enns, L.	P-10	Fee, M.	P-163, P-286, P-909
Entezami, F.	P-480	Fei, S. S.	P-263
Entezami, F.	P-514, P-559, P-575	Feinberg, E. C.	O-71, O-72, O-240, P-11
Ergüven, M.	P-604	Feliciano, M.	O-59, O-141, P-693
Erickson Hagen, A. S.	O-93	Fellman, B.	P-367
Ernandez, J. J.	O-88, P-750	Felton, J. A.	P-720
Esakov, E. L.	P-247	Fernandez, R.	P-422
Esbert, M.	P-21	Ferrando, C. A.	O-220
Esbert, M.	O-92, P-17	Ferrante, R. C.	O-10
Escorcia, P.	P-311	Ferreira, A. S.	P-83
Escriba, M.	O-13	Ferreira, C. F.	P-684
Escribano, G.	P-323	Ferreira, C. R.	P-43, P-186, P-187
Esencan, E.	P-578	Ferreira, F. P.	P-33
Esfandyari, S.	O-243, P-595, P-731, P-818	Ferreira Moriyama, D.	P-55, P-162, P-722
Eskew, A.	P-826	Ferrero, S.	O-85, O-128, O-208, P-119, P-246, P-266, P-347, P-353
Esplin, E.	O-46	Ferrero, S.	P-242, P-252
Estes, S. J.	P-250	Ferrieres-Hoa, A.	P-514
Esteves, S. C.	P-15, P-24, P-667		



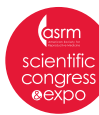
ABSTRACTS AUTHOR INDEX

Ferrieres-Hoa, A.	O-108		
Ferrieres-Hoa, A.	P-480, P-559		
Fidalgo, J. S.	P-103, P-133		
Fidan, U.	P-852		
Figueira, R. C.	P-15, P-24		
Finch, S.	P-359		
Finlinson, A.	P-846		
Fino, M. E.	O-237, P-293, P-305		
Fiorentino, F.	O-3		
Firdouse, A.	P-715		
Firdouse, A.	P-71, P-691, P-703, P-713		
Fisch, S. C.	O-100		
Fischer, M.	O-23		
Fischer, N. M.	O-86, P-59		
Fischer, R.	O-163		
Fitz, V. W.	O-161		
Flanagan, C. L.	P-581		
Flannigan, R.	O-87, O-143, P-648, P-656, P-664		
Flessel, A. E.	P-340, P-396		
Flisser, E.	P-108, P-180, P-487		
Flores, B.	O-257		
Flores, V. A.	P-42, P-233, P-239		
Flores-Saiffe Farias, A.	P-813		
Flores-Saiffe Farias, A.	P-77		
Flores-Saiffe Farias, A.	P-88		
Flowers, M. T.	P-720		
Flyckt, R.	P-50, P-56, P-69, P-413, P-541, V-14, V-15		
Flynn, A. N.	P-164		
Flynn, K. E.	O-148, P-748		
Folkins, A. K.	P-210, P-211		
Fontanilla, T.	O-12		
Foote, J. A.	P-908		
Foote, J. B.	O-179		
Ford, J. B.	O-37		
Forman, E. J.	O-150, P-177		
Fortin, C. N.	P-04, P-786, P-851		
Fortuño Salais, S.	P-899		
Foster, E. D.	O-169, O-223, O-224, O-225		
Foti, T. R.	O-120		
Fouad, L.	P-340, P-396		
Fournier, A.	O-108		
Fox, J. H.	P-410		
Fox, K. R.	O-12		
Fragouli, E.	P-17		
Fraison, E.	P-440		
Franasiak, J. M.	O-142, O-173		
Franasiak, J. M.	P-465		
Franca, U. L.	O-9		
Frank, R.	P-129, P-862		
Frankel, R. A.	O-151		
Frech, F. S.	P-675		
Frech, F.	P-671		
Frenz, A.	O-29		
Friedenthal, J.	O-103, O-133, O-154, O-218,		
			O-227, P-402
Friedlander, H. S.	P-499		
Frishman, G. N.	O-90		
Fritz, R.	O-16, P-504		
Fu, W.	P-229		
Fuchs, E. L.	P-404		
Fuchs Weizman, N.	P-64		
Fujii, Y.	P-65		
Fukuda, A.	O-130, O-155, P-191		
Fukui, A.	P-230		
Fukunaga, N.	O-182, P-26, P-38, P-57, P-76, P-89		
Fung, J. L.	O-11, O-212, P-378, P-381, P-382, P-392		
Fyodorova, T. A.	P-143		
Gabrielson, A. T.	P-676		
Gad, H. F.	P-907		
Gada, R.	P-58		
Gadson, A.	P-798		
Gaffney, C.	P-672, P-678, P-680, P-705		
Gahlot, R.	P-261, P-730		
Gala, A.	O-108, P-514, P-559		
Galiano, V.	P-885		
Galliano, D.	P-355		
Galvao, R.	P-164		
Gamma, A.	O-151, P-403		
Ganeva, R.	P-40, P-61, P-235, P-318, P-506, P-583, P-849		
Gannon, A.	P-369		
Gao, C.	P-782		
Gao, L.	P-263		
Gao, L.	P-530, P-601		
Garbarini, J. L.	P-327		
Garcia, C.	P-17		
Garcia, D.	P-103, P-133		
Garcia, N.	O-178		
garcia De Miguel, L.	P-133		
García De Miguel, L.	P-103		
Garcia Ojeda, B.	P-70		
Garcia Villafaña, G.	P-706		
Garcia-Milian, R.	P-562		
García-Pascual, C. M.	P-620		
Garcia-Velasco, J. A.	O-153, O-264, P-280,		
	P-358, P-577, P-787, P-854		
Garg, B.	O-102, P-423, P-848, P-927		
Garg, D.	P-362		
Garg, G.	O-51		
Garibaldi, C. M.	P-419		
Garibaldi, C.	P-405, P-426, P-427, P-873		
Garner, E.	P-482		
Garner, F. C.	P-351, P-524		
Garnsey, H.	P-779, P-805		
Garrett, L. T.	P-325		
Garrido, N.	O-105, O-264, P-14, P-16, P-17,		
	P-117, P-531, P-668, P-687, P-694		
Garvin, S. E.	P-584		
Garza-Padilla, E.	P-502, P-555, P-884		



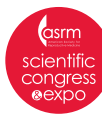
ABSTRACTS AUTHOR INDEX

Garzia, E.	P-885	Godoy, H. S.	O-257
Gaskins, A. J.	O-136, O-194, P-213, P-411, P-926	Goedecke, P.	P-204
Gatenby, L.	O-174	Gogeva, S.	P-40
Gavaz, M.	P-326	Goheen, B. B.	P-566
Gavrilova-Jordan, L.	O-51	Gokdagli Sagir, F.	P-326
Gavrizi, S. Z.	O-22, O-127, O-253	Göktürk, U.	P-905
Gay, S.	P-702	Goldberg, J.	P-623
Ge, S.	P-267	Goldman, K. N.	P-181
Geber, S.	P-31	Goldman, K. N.	O-240, P-11, P-195
Gedela, D.	P-647, P-691, P-703, P-713, P-715	Goldman, M. B.	O-11, O-212, P-378, P-381, P-382, P-392
Gedela, G.	P-63, P-665	Goldman, R. H.	O-151, O-217, P-78, P-114, P-174, P-221, P-223, P-354, P-437, P-464, P-751, P-776, P-867
Geller, J.	P-156	Goldrick, K. M.	P-216, P-306, P-725, P-733, P-742
Gelvin, B.	P-176	Goldstein, A.	P-846
Gemmell, L. C.	P-177, P-366, P-374	Goldstein, J. S.	P-62, P-471, P-794
George, N.	P-760	Goldstein, M.	O-59, O-141, P-346, P-672, P-678, P-680, P-682, P-693, V-02
Gerber, R. S.	O-261	Golombok, S.	O-145, O-252
Gerber, R. P.	P-174	Goltzman, M. E.	P-658
Gerber, R. S.	O-260	Gomez Diaz, N. R.	P-899
Gerkowicz, S. A.	O-24, P-45, P-156, P-385, P-718, P-797, P-847	Gonullu, D. C.	P-118, P-163, P-286, P-396, P-909
Getahun, D.	O-29	Gonzalez, A.	P-425, P-555
Gezels, L.	O-114	Gonzalez, D.	P-666
Ghadir, S.	O-106, P-484	Gonzalez, I.	P-773
Ghanshyam, Y.	P-60	Gonzalez, I.	P-774
Ghidei, L. A.	P-60	González-García, M. T.	P-280
Ghosh, J.	P-112	Gonzalez-guarda, R.	O-124, P-342
Ghosh, S.	P-646	Gonzalez-Ravina, C.	O-105, P-14, P-16, P-117
Gibbons, W.	P-60	Goodman, L. R.	O-62, O-115, P-202, P-344, P-840, V-11
Gil, Y.	P-903	Goodman, M.	O-261
Gil Julia, M.	O-105, P-14, P-16, P-117, P-531, P-668, P-687, P-694	Goodman, M.	O-260
Giles, J.	P-542, P-863	Gopal, D.	O-262
Gill, P.	P-349	Gopal, D.	P-107
Gilmore, E. V.	O-239	Gordon, C.	P-521, P-534
Gingold, J. A.	O-260, O-261	Gordon, J. C.	P-204
Ginsburg, E. S.	O-15, O-21, P-410	Gordon, N. P.	P-729
Giovannucci, E.	O-19	Goswami, C.	P-670
Girardi, L.	P-755	Gothard, D.	P-10
Giraudet, G.	P-249, P-255	Gottfried, J.	P-168, P-171, P-173
Gishto, A.	P-570	Goulding, N.	P-696
Gissler, M.	O-49	Goukko, D.	O-8, O-52, O-103, O-133, O-154, O-227, P-124, P-417, P-445, P-491
Giudice, L. C.	O-187, P-234	Gouveia Nogueira, M. F.	P-83, P-84
Giuliani, E.	O-213, P-04, P-851, P-918	Goyeneche, L.	P-493
Givens, C.	P-503	Gracia, C.	P-331
Glass, K. B.	P-288	Granger, E.	O-2, O-259
Glassner, M. J.	P-533	Granjo, F. I.	P-626, P-835
Glassner, M. J.	P-865	Grant, G. M.	P-497
Glatthorn, H. N.	O-142	Grantmyre, J.	P-632
Gleicher, N.	O-34, O-216, P-134, P-136, P-450, P-538, P-582, P-613	Grass, L. R.	P-472
Glenn, T. L.	P-473	Grazi, R.	P-527
Go, V. A.	P-319, P-880	Greco, E.	O-3
Gochi, A. M.	P-267	Green, I. C.	P-237
Godiwala, P. N.	O-123, P-96, P-399, P-444, P-916, P-928		



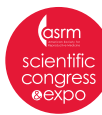
ABSTRACTS AUTHOR INDEX

Greenberg, R. M.	P-643	Gzgzyan, A.	P-674
Gregg, A.	P-383, P-896, P-898	Habata, S.	O-189
Greinwald, E. P.	P-720	Habib, D. M.	P-284, P-921
Grenz, T. J.	P-158	Habib, F. A.	P-254, P-284, P-350, P-745
Griesinger, G.	P-155, P-482	Hacker, M. R.	P-209
Grifo, J. A. O-3, O-200, P-257, P-302, P-303, P-453, P-461, P-499, P-728		Haddad, M.	O-69, O-242, P-688, P-689, P-781, P-819
Grifo, J. A.	O-166, O-170, P-622, P-754, P-768	Hade, J. J.	P-908
Grigorakis, S.	O-172	Haimowitz, Z.	O-106, P-98, P-147
Grimm, C.	P-20, P-820	Hajirasouliha, I.	O-183
Grimm, C. K.	P-23, P-511, P-597	Halassy, S. D.	P-176
Grimm, L. O-97, P-522, P-550, P-724, P-842, P-844, P-929		Hall, J. M.	P-92, P-100
Grisaru-Granovsky, S.	P-161	Hallak, J.	P-145, P-192
Groesch, K. A.	P-732	Hallisey, S. M.	P-399, P-916
Grogan, T. R.	O-100, O-246	Halpern, G.	O-39
Groll, J. M.	P-915	Halpern, J. A.	O-55, O-56
Gross, K. X.	O-67	Hamada, H.	P-226
Grote, V. E.	O-240, P-11	Hamamah, S.	O-108, P-480, P-514, P-559, P-575
Grover, S. A.	O-169, O-224	Hamdoun, M.	P-126, P-296
Grow, D. R.	O-123, P-96, P-399, P-444, P-916, P-928	Hammer, K. C.	P-54, P-121, P-860
Gruber, A.	P-278	Hammond, E. R.	O-17
Gruspe, J.	O-159	Hammond, K. R.	P-130, P-384
Grynberg, M.	P-440	Hammoud, S.	O-245, P-605, P-714
Gu, A.	P-762	Hamrick, J.	P-50, P-69
Guan, J.	P-903	Han, H.	P-903
Guan, Y.	P-796, P-827	Han, J.	P-526
Guarnaccia, M. M.	P-304	Han, L.	P-914
Guerrero, C. A.	P-62, P-471, P-794	Han, S.	P-526
Guerrero Sánchez, J.	P-103	Han, T. X.	O-88, P-750
Guidobono, M. L.	P-70	Han, W.	P-777
Guilherme, P.	P-513	Hancock, K.	P-295
Gulersen, M.	P-166	Handelsman, R. G.	P-719, P-727
Guller, S.	P-198	Hanna, C. B.	O-25, P-158
Gunby, R. T.	P-896	Hannam, T.	V-09
Gunderson, S.	P-468	Hansen, K. R.	O-127, O-253
Gunn, D.	O-179, P-167, P-336	Hanson, B. M.	O-5, O-77, O-92, O-142, O-222, P-90, P-256, P-463, P-465, P-518, P-609, P-659, P-744, P-756, P-791
Gunnala, V.	P-466	Hanson, H. A.	O-67, O-139
Guo, J.	P-516	Hao, M.	O-195
Guo, R.	P-512	Hao, X.	O-180, P-593
Guo, S.	O-195	Hao, X.	P-523
Guo, V.	P-756	Haouzi, D.	P-480, P-514, P-559, P-575
Guo, X.	P-315, P-585	Harbottle, S.	P-82
Guo, Y.	P-68	Hardy, C.	P-82
Gupta, A.	P-194	Hariton, E.	O-101, P-159, P-870, P-889
Gupta, E.	P-730	Harjee, R.	P-228
Gupta, S.	P-09	Harjee, R.	P-120, P-910
Gupta, S.	O-229	Harnisch, B. A.	P-658
Gupta, S.	P-261, P-730	Harris, B. S.	O-214, P-283, P-294, P-747
Gurdziel, K.	P-276, P-586, P-602	Harrity, C.	P-93
Gustin, S.	P-251, P-393, P-681	Hart, K.	O-87, O-143, P-648, P-656, P-664
Gutmann, J.	O-73, O-77	Hart, R. E.	O-124, P-342
Guzeloglu-Kayisli, O.	P-315, P-585	Harvey, L.	V-05
Guzman, L.	P-802	Has, P.	O-90, O-255
Guzman, M. A.	P-146		



ABSTRACTS AUTHOR INDEX

Hashim, P. H.	P-227		
Hashimoto, S.	O-155	Hesketh, N.	P-668, P-687, P-694
Hashimoto, T.	P-188, P-856		P-53, P-753
Hasija, A.	P-176, P-539	Hesson, A.	P-543
Hassan Hamed, A.	P-745	Heyward, Q. D.	P-331
Hassanein, S. M.	P-895	Hibray, C.	P-760
Hatakeyama, S.	P-36	Hill, M. J.	O-248, P-104, P-329, P-330, P-415, P-457, P-477, P-535, P-743, P-780, P-922
Hatch, E. E.	P-700	Hipp, H. S.	O-125
Hatfield, J.	P-914	Hipp, H. S.	O-136, P-328, P-411, P-661, P-718, P-847, P-926
Hathcock, M.	P-412	Hirsch, M.	P-232
Hattori, H.	P-856	Ho, J.	O-4, O-166, O-226, P-13, P-39, P-115, P-170, P-660, P-850, P-855
Hauser, R.	O-37	Hodes-Wertz, B.	O-200, P-768
Havelock, J. C.	P-95, P-357	Hodge, T.	P-102
Haverfield, E.	O-46	Hoffman, A. S.	O-64
Havrilesky, L. J.	P-747	Hogue, M.	P-546, P-843
Hawkins, K. C.	P-269	Holcombe, A.	O-40, O-61, P-279, P-838
Hayama, T.	P-226, P-368	Holmes, R.	O-186, P-20, P-74
Hayashi, M.	P-65	Hong, K.	O-5, P-90
Hayden, R. P.	P-693, V-02	Hong, Y.	P-299, P-317, P-912
Hayslip, C. C.	O-51	Hong, Y.	P-301
Hayward, B.	O-186, P-509, P-875	Honig, S.	P-642, P-658
Haywood, M. E.	O-44, O-83, O-211, P-432, P-576, P-580	Hood, K.	O-91
Hazelrigg, W. B.	O-93	Hooper, A.	P-220
He, H.	P-770	Horan, M. A.	P-02
He, S.	P-314	Horcajadas, J. A.	O-13, P-103, P-133
He, S.	P-19, P-812	Horiuchi, T.	P-498, P-606
Healy, M. W.	P-104, P-477, P-535, P-743, P-780	Horne, A.	O-111
Hechenleitner, N. J.	P-193	Horns, J. J.	O-67
Heinemann, K.	O-27, O-190	Hornstein, M. D.	P-201
Heiser, P. W.	O-33, O-169, O-223, O-224, O-225	Hotaling, J.	O-67, O-139, O-142, O-222, P-90, P-362, P-642, P-659
Heitner, S. B.	O-84	Hou, Y.	P-157
Helsten, T.	O-159	Howard, B.	P-160
Henderson, N.	P-786	Howard, B.	O-30
Hendon, N.	O-24, P-156, P-385, P-797	Howard, K. L.	O-48, P-758
Hendrick, R.	V-05	Howell, D.	P-422
Henningsen, A. A.	O-49	Howell, E. P.	P-283
Henrie, A.	P-248	Hoyos, L. R.	O-164, P-178, P-208
Henry, L.	P-619, P-792	Hozyen, M.	P-97
Henshaw, C.	O-236	Hsu, A. L.	P-846
Hentschke, M. R.	P-101, P-348, P-684	Hsu, C.	P-607, P-653
Henzenn, E.	P-854	Hsu, C.	P-262, P-268
Herati, A. S.	P-676	Hsu, G. C.	P-607
Hercz, D.	O-150	Hsu, J.	P-54
Herlihy, N. S.	O-5, P-256, P-463, P-465, P-518, P-609, P-659, P-744, P-791	Hu, B.	P-490
Hernandes, C.	O-192	Hu, J.	O-34, P-450, P-582
Hernández Montilla, I.	P-103	Hu, S.	P-229
Hernandez-Nieto, C.	O-133, O-263, P-108, P-180, P-435, P-487, P-795, P-858	Huang, B.	P-770
Herndon, C.	O-63, P-170	Huang, D.	O-116
Herraiz, S.	P-608, P-723	Huang, G.	P-87
Hersh, A. R.	O-76	Huang, G.	O-95, P-51, P-67, P-777
Hershlag, A.	O-28, P-159, P-825	Huang, L.	P-455
Hervas, I.	O-105, P-14, P-16, P-117, P-531,		



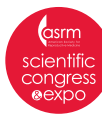
ABSTRACTS AUTHOR INDEX

Huang, S.	P-455	Ishihara, O.	P-443, P-458, P-861
Huber, W. J.	O-255	Ishikawa, T.	P-241, P-704, P-710
Huberlant, S.	P-557	Islam, M. S.	O-209
Huddleston, H. G.	O-101, O-116, O-146, O-199, P-721	Islam, M.	P-310
Hudnall, M.	O-56	Isley, L.	O-249
Hue, H.	P-912	Ismail, N.	O-210
Hughes, L.	O-71, O-72, O-112, P-821, P-917	Isobe, K.	P-498
Hull, R.	O-45	Itauma, I.	P-163
Hullender Rubin, L.	P-546, P-843	Itauma, O.	P-163, P-286, P-909
Hultling, C.	P-695	Ivani, K.	P-454
Humberstone, A.	P-482	Iwahata, T.	P-640
Hund, M.	P-285	Iwaki, K.	P-498
Hunkler, K.	P-104	Jaafar, W.	P-296
Hunsche, E.	O-205, P-308	Jabara, S. I.	P-307
Hunter, A.	O-157	Jackman, J. M.	P-148, P-334, P-339, P-361, P-364, P-554, P-883, P-888, P-890, P-891
Hur, C.	V-03	Jackson, D. N.	P-414
Hur, Y.	P-271, P-548	Jackson, N. J.	O-106
Hurd, W. W.	P-167	Jackson-Bey, T.	O-63, P-167, P-170
Hurley, E. G.	P-275, P-442	Jacobs, C.	P-150
Hurst, B. S.	O-168	Jacobs, E. A.	P-536
Hurst, B. S.	P-833	Jacobs, M. H.	P-48, P-645
Hussein, A. M.	P-893	Jadva, V.	O-145, O-252
Hussein, R. S.	P-350, P-370, P-508	Jahandideh, S.	O-124, O-248, P-104, P-329, P-330, P-342, P-415, P-457, P-469, P-517, P-628, P-780, P-922
Hutchinson, A. P.	O-65, O-240, P-11, P-567, P-923	Jain, A.	P-898
Huynh, M. B.	O-238	Jain, T.	O-32, P-01
Hwang, K.	O-233	Jain, T.	O-10
Hwang, S. S.	O-262, P-376	Jalas, C.	O-73, O-77, P-465, P-756, P-769, P-779, P-805
Hynes, J. S.	P-906	James, D.	P-200, P-295, P-297, P-466
Iaconelli, A.	O-39, P-183, P-513, P-652, P-866	James, E. V.	P-732
Iaizzo, R. S.	P-193, P-615	James, K. E.	O-70, P-121
Ibrahim, E.	O-58, P-671, P-695, P-707	Jang, Y.	P-887
Ibrahim, M. N.	P-508, P-745	Janssens, P. M.	O-247
Ichikawa, L. E.	O-29	Jardak, B.	P-126
Igarashi, H.	P-856	Jaremko, M.	P-783, P-784
Ijuin, A.	P-226	Jarvi, K.	V-01
Im, T. M.	O-29	Jaswa, E. G.	O-101, O-116, O-146, O-199, O-219, P-721
Imamoglu, G.	P-578	Jayaprakasan, K.	P-439
Imrie, S.	O-145, O-252	Jayes, F. L.	O-209
Imudia, A. N.	O-135, P-853	Jean-Denis, F.	P-882
Imudia, A. N.	P-315, P-434, P-517	Jeelani, R.	O-97, P-522, P-550, P-724, P-842, P-844, P-929
Inceli, E.	P-398	Jena, S. R.	O-38
Indersie, E.	P-249, P-255	Jensen, C. F.	P-695
Ingale, K. K.	P-138	Jensen, J. T.	O-25, O-26, P-158
Ingale, K. V.	P-138	Jeong, J.	P-236
Inman, E.	P-543	Jesse, E.	P-655
Inman, E.	O-167, P-199, P-212	Jetelina, K.	P-793
Inoue, T.	P-25	Jewett, A.	P-41, P-642
Insogna, I.	O-15, P-410	Ji, D.	P-716
Intasqui, P.	O-42	Jia, L.	P-19, P-49, P-68, P-812
Inza, R.	P-70		
Irani, M.	P-466, P-765		
Írez, T.	P-604		
Irie, M.	P-191		
Irigoyen, M. C.	P-615		



ABSTRACTS AUTHOR INDEX

Jia, Y.	P-579	Kameoka, A. M.	O-12
Jiang, C.	P-04, P-395	Kamihata, M.	P-498
Jiang, V. S.	P-213	Kanakasabapathy, M.	P91, P-54, P-85, P-86
Jiang, Z.	O-174, P-566	Kanashiro, C. M.	O-42
Jiao, Z.	P-544, P-610	Kaneshiro, B.	O-12
Jimenez, M. F.	P-684	Kang, E.	O-84, P-627, P-803
Jimenez-Almazán, J.	P-323	Kang, I.	P-271, P-548
Jin, H.	P-546, P-843	Kang, J.	O-205, O-206
Jin, M.	P-592	Kang, S. M.	P-739
Jindal, S. K.	O-135, O-260, O-261, P-434, P-761	Kansal, J. K.	V-04
Jing, C.	P-120, P-470	Kant, G.	P-261, P-730
Jing, W.	O-80	Kanter, J. R.	P-142
Jo, E.	P-271, P-548	Kao, C.	O-101
Jobanputra, V.	P-779	Kappy, M.	O-261
Johal, J. K.	P-441, P-479, P-485	Kappy, M.	O-260
Johannesson, L.	P-383, P-894, P-896, P-898	Kar, S.	P-670
Johansen Taber, K.	P-623	Kara, B.	P-326
Johnson, C.	O-148, P-748	Karaosmanoglu, O.	P-123, P-864
Johnson, D. E.	P-98, P-147	Kargi, A. Y.	P-919
Johnson, J.	O-254	Karri, S.	O-179
Johnson, K.	P-322	Karten, J.	P-78, P-114, P-437, P-867
Johnson, L.	O-225	Karunakaran, S.	P-647
Johnson, N.	O-187	Karunakaran, S.	P-713, P-715
Johnson, S.	V-04	Karunakaran, S.	P-71, P-691, P-703, P-814
Johnstone, E.	O-36, O-138, O-139, P-362	Karunakaran, S.	P-63, P-547, P-665
Jones, A.	P-581	Kasa, E.	O-104
Joo, B.	O-176	Kasapoglu, I.	P-253, P-738, P-740, P-874
Jordan, E.	P-746	Kaser, D. J.	O-222, P-744
Jordan, N.	O-240, P-11	Kashanian, J. A.	P-672, P-678, P-680, P-705
Joseph, M. D.	P-700	Kassi, L. A.	P-222, P-338, P-923
Joshua, J.	O-80	Kastrick, E. A.	P-393, P-681
Jové, M.	P-577	Kathrins, M.	O-88, P-750
Juan, A. D.	O-82	Katler, Q. S.	O-125
Jukic, A.	O-214	Katler, Q. S.	P-847
Julio, H.	P-802	Kato, T.	P-230
Jung, S.	O-176	Katz, A.	P-166
Jungheim, E. S.	P-826	Katz-Jaffe, M. G.	O-44, O-83, O-211, P-217, P-281, P-432, P-511, P-576, P-580, P-619, P-792
Jungheim, E. S.	O-122, O-215, P-468	Katz-Wise, S. L.	O-157
Jungheim, E. S.	P-832	Kaur, D.	P-194
Jungheim, E. S.	O-32, P-01, P-917	Kawwass, J. F.	O-125, O-140, P-328, P-642, P-661
Kacem, K.	P-126, P-296	Kaya-Bahcecitapar, M.	O-89
Kahraman, S.	O-89, P-324, P-326, P-388, P-474, P-492, P-905	Kaye, L. A.	P-351, P-524
Kaing, A.	O-251	Kayisli, U. A.	P-315, P-585
Kaiser, B. N.	O-159	Keane, D.	P-93
Kalafat, E.	P-259	Kearns, W. G.	P-635
Kalakota, N.	P-539	Keating, D.	O-69, P-110, P-448, P-460, P-481, P-496, P-688, P-781
Kalapahar, S.	P-646	Keefe, D. L.	P-257
Kalinina, E. A.	P-143	Keefe, D. L.	P-118
Kallen, A. N.	O-80, P-446, P-449	Keefe, K. W.	P-534
Kallinos, E.	P-295, P-297	Keen, K. L.	P-720
Kalliora, C.	P-112, P-433	Keeter, M.	O-56
Kam, A.	P-168, P-171, P-173	Keihani, S.	O-139
Kamel, L.	P-842		



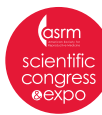
ABSTRACTS AUTHOR INDEX

Kelk, D. A.	P-42, P-446, P-449, P-473	Kim, T.	P-236
Kelly, A.	P-250	Kim, T.	O-73, O-77
Kelly, A. G.	P-461	Kim, T. T.	O-51
Kelly, N.	P91	Kim, Y. J.	P-168, P-173
Keltz, M. D.	O-90	Kim, Y. J.	P-171
Kem, D. C.	O-98	Kim, Y.	P-271, P-273
Kendall, L. M.	P-336	Kim, Y.	P-548
Kendall Rauchfuss, L.	O-147, P-900	Kim, Y.	P-271
Kendrew, H.	P-225	Kim, Y.	P-548
Kenny, A.	P-70	Kimble, T. D.	O-26
Kerkeni, W.	P-677	Kimelman, D.	P-338, P-923
Khader, T. K.	O-173	Kimelman, D.	P-493, P-549
Khair, A. F.	O-223	Kindig, M.	P-726
Khalaf, M.	P-893, P-895	King, C. R.	V-03
Khalafalla, K.	P-634, P-686, P-699, P-712	Kinnear, H. M.	P-227
Khalil, S. K.	P-612, P-614	Kinnear, S.	O-67
Khalili, S.	P-274	Kipling, L. M.	O-140, P-328
Khan, S.	P-600	Kiser, A. C.	P-248
Khan, S. A.	P-169, P-588	Kissin, D. M.	P-41, P-642
Khan, Z.	P-237, P-370	Kitasaka, H.	O-182, P-26, P-38, P-57, P-76, P-89
Khandelwal, A.	O-156	Kitaya, K.	P-241, P-704, P-710
Khaydarova, M.	P-171	Kiulia, N. M.	O-25
Khodamoradi, K.	P-695, P-697	Kjellberg, A.	P-593
Khoury, C.	O-201	Klein, J.	P-205, P-406
Khrouf, M.	P-677, P-709	Klein, J. U.	O-9, P-304
Kida, Y.	O-182, P-76, P-89	Klepacka, D.	O-44
Kiehl, M.	P-621	Kligman, I.	P-488
Kijacic, D.	P-621	Klimczak, A. M.	O-5, P-256, P-463, P-465, P-518, P-609, P-659, P-744, P-791
Kile, R.	P-20, P-34, P-169, P-511	Klionsky, Y.	P-277
Kim, A. S.	P-307	Klipping, C.	O-196
Kim, C.	O-176	Kljajic, M.	P-27
Kim, C.	P-391	Klock, S.	P-363
Kim, H.	P-179	Klooster, B. L.	P-39, P-115
Kim, H.	P-271, P-273, P-548	Knight, A. K.	P-718, P-847
Kim, H.	P-526	Knudtson, J. F.	O-253, P-216, P-306, P-616, P-725, P-733, P-742
Kim, H. H.	O-57	Kobayashi, Y.	P-498
Kim, H.	P-526	Kobernik, E. K.	O-167, P-212
Kim, H.	P-271, P-548	Kobori, Y.	P-640
Kim, H.	P-196	Koc, M.	P-874
Kim, J.	P-837	Kodama, S.	P-457
Kim, J.	P-271, P-548	Kodaman, P. H.	P-42, P-446, P-449, P-913
Kim, J.	P-315	Koelper, N. C.	P-142, P-501
Kim, J. G.	O-5, O-77, O-173, P-90, P-256, P-349, P-463, P-465, P-518, P-609, P-659, P-744, P-756, P-791	Kogan, I.	P-674
Kim, M.	P-271, P-548	Kohn, J. R.	O-236
Kim, R.	P-271, P-548	Kohn, T. P.	P-645, P-666, P-676
Kim, S.	P-737	Kokjohn, S.	P-405, P-419, P-426, P-427, P-429, P-873
Kim, S.	P-526	Kolb, B.	O-75, O-201
Kim, S.	P-526	Komeya, M.	P-226, P-368
Kim, S.	P-301, P-912	Kondo, F.	O-182, P-57, P-76, P-89
Kim, S. J.	O-59	Koniares, K. G.	O-11, O-212, P-378, P-381, P-382, P-392
Kim, S.	P-50, P-69, P-541	Konishi, N.	O-155
Kim, S.	P-526	Kontopoulos, G.	O-172



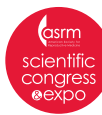
ABSTRACTS AUTHOR INDEX

Koon, E. C.	P-383	Kuroda, S.	P-226, P-368
Koong, M.	P-271, P-548	Kurtz, J.	P-865
Kop, P. A.	O-247	Kurtz, J. E.	P-408
Kopcow, L. J.	P-620	Kuspinar, G.	P-253, P-874
Korkmaz, C.	P-390	Kutteh, W. H.	O-113
Korkmaz, C.	P-852	Kuzeljevic, B.	P-197
Korolkova, A.	P-871	Kuznyetsova, I.	V-01
Korzeniewski, S. J.	P-276, P-586, P-602	Kwal, J.	P-922
Koski, A.	P-102	Kwan, B.	P-837
Koski, A.	O-84, P-627, P-803	Kwieraga, J. L.	P-96
Kostaras, K.	O-172	Kyathanahalli, C.	P-584
Kostroun, K. E.	P-216, P-616, P-725	Kyono, K.	P-188, P-856
Kostroun, K. E.	P-742	La Marca, A.	P-155
Kostroun, K. E.	P-733	Labarta, E.	O-18
Kotlyar, A.	P-239, P-277, P-462, P-913	Labrado, C.	P-131
Kowalski, J. T.	V-07	Labriola, F.	P-189
Koyama, M.	O-155	LaBudde, J. A.	O-221
Kozlowski, J.	P-58	Lagunov, A.	P-80, V-09
Kragh, M. F.	O-181	Lakymenko, O.	O-231
Kramer, K. J.	P-897	Lal, A.	P-331
Kraus, R.	P-732	Lal, A.	P-612, P-614
Krawetz, S. A.	O-152	Laliberte, J.	P-773, P-774
Krebs, T.	P-27	Lamb, L.	P-10
Kreines, F.	P-466	Lamp, L. B.	P-225
Krieg, A. J.	O-177	Lane, S. L.	P-217, P-281
Krieg, S. A.	O-76, O-102, P-423, P-848, P-927	Lanes, A.	O-21, P-201
Krisher, R. L.	P-20, P-23, P-28, P-34, P-74, P-169, P-386, P-511, P-565, P-566, P-588, P-597, P-603, P-820	Lanes, A.	O-15, P-410, P-521, P-534
Krisher, R. L.	P-29	Languille, S.	P-137, P-557
Krishnamoorthy, K.	P-869	Lanham, M.	O-149, P-879
Kroelinger, C. D.	P-41	Lapensée, L.	P-478
Kroener, L.	O-106, P-208, P-430, P-484, P-512	Lara-Molina, E.	P-17
Krohn, M. L.	P-494	Lardizabal, M. N.	P-35, P-72
Krueger, P. M.	O-255	Large, M.	O-170
Kryvenko, O. N.	O-231	Larose, H.	P-714
Ku, S.	P-526	Larsson, P.	P-560
Kuchakulla, M.	P-671	Lassen, J. T.	O-181
Kucherov, A.	P-761	Latack, K. R.	P-804
Kue, J.	P-04	Lathi, R. B.	P-210, P-211, P-483
Kuete, N. T.	O-53	Laubender, R.	P-285
Kuhn, K.	O-20	Lavrova, K.	P-789
Kulmann, M.	P-620	Law, J. R.	O-161
Kumagai, J.	P-856	Lawlor, D. A.	P-696
Kumar, A.	P-850	Lawrence, L.	P-58
Kumar, K.	O-81, P-44, P-618	Lawrence, S.	O-242, P-641, P-819
Kumar, N.	P-817	Lawrenz, B.	P-764
Kumar, S.	O-256	Lawson, A. K.	O-65, O-164, P-178, P-363
Kumtepe Colakoglu, Y.	P-324	Lawson, M.	O-79
Kumtepe-Colakoglu, Y.	O-89	Lawson, S. M.	O-236
Kundtz, N.	P-94	Lay, L.	P-58
Kuohung, W.	P-798	Leahey, J.	O-43
Kuperman, A.	P-800	Leaver, M.	P-572
Kuroda, S.	P-372	Lederman, M. A.	P-205, P-406
		Ledon, C. C.	O-7
		Lee, D.	O-102, P-356, P-423, P-848, P-927



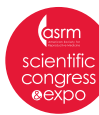
ABSTRACTS AUTHOR INDEX

Lee, H.	P-299	Li, L.	P-503
Lee, J.	P-222	Li, N.	P-739
Lee, J. A.	O-8, O-52, O-103, O-133, O-154, O-218, O-227, O-263, P-18, P-108, P-124, P-180, P-205, P-359, P-400, P-401, P-402, P-406, P-417, P-431, P-435, P-445, P-487, P-491, P-573, P-589, P-590, P-795, P-858	Li, P. S.	O-59, O-141, V-02
Lee, J. R.	P-299, P-912	Li, P.	P-523, P-816
Lee, J.	P-301	Li, Q.	P-231
Lee, J.	P-317	Li, R.	P-827
Lee, K.	P-58	Li, R.	P-762
Lee, K.	O-176	Li, R.	P-831
Lee, M.	P-50, P-69	Li, S.	P-234, P-834
Lee, M. S.	O-21, P-410	Li, S.	O-121
Lee, M.	O-3	Li, T.	P-30, P-68, P-122, P-300, P-397, P-489, P-525, P-528, P-556, P-629, P-631, P-683, P-690, P-692
Lee, M.	P-196	Li, W.	O-94
Lee, T.	P-598	Li, X.	O-75
Lee, T.	P-302	Li, X.	P-394
Lee, V.	O-63, P-170, P-512	Li, X.	O-246
Lee, Y.	O-84, P-803	Li, X.	P-716
Legro, R. S.	P-726	Li, Y.	P-102, P-627
Leiva, T.	P-35, P-72	Li, Y.	P-803
Lemenze, A.	P-569	Li, Y.	P-455
Lemon, L.	P-877	Li, Y.	P-859
Lenhart, N. J.	O-146, P-721	Li, Y.	O-1, O-187, P-308
Lenk, E. E.	P-551	Liang, D.	O-84, P-102, P-627, P-803
Leocata Nieto, F. A.	P-766	Liang, X.	P-49, P-231
Leonard, S. A.	O-156	Liang, X.	P-238
Leondires, M.	O-222	Liao, X.	P-736
Leone Roberti Maggiore, U.	O-208, P-242, P-252	Libby, V.	P-56
Leppert, P. C.	O-209	Librach, C. L.	P-64, P-288, P-800, V-01
Lessey, B. A.	O-187	Licciardi, F. L.	O-202, O-237, P-116, P-182, P-638, V-12
Lessey, B. A.	P-236	Lieman, H.	O-260, O-261, P-761
Letourneau, J. M.	O-138, O-139, P-362, V-08	Lim, J.	P-196
Letterie, G.	P-749, P-760	Lim, J.	P-196
Letterie, G.	P-94	Lim, S. L.	O-204
Leung, A. Q.	P-106, P-298	Lima, G. F.	P-919
Leung, D.	P-274	Lima, T. F.	O-234, P-671, P-675, P-919
Leung, K. L.	O-100, O-246	Lin, C.	P-788
Leung, P. Y.	O-25	Lin, E.	P-222
Leung, T.	P-166	Lin, J.	P-238
Levi Setti, P.	P-755	Lin, L.	P-291, P-617
Levin, I. K.	P-491	Lin, P. C.	O-66
Levine, J. E.	P-720	Lin, P.	P-736, P-831
Levy, B.	O-113	Lin, P.	O-3
Lew, J.	O-75	Lincoln, K.	P-732
Li, A.	P-18	Lindheim, S.	O-62, O-115, P-486, P-726, P-840
Li, C.	P-291, P-596, P-611, P-617, P-785	Lindner, P. G.	P-535
Li, H.	O-98	Lipkin, L.	P-148, P-490, P-554
Li, J.	P-67, P-777	Lira-Albarrán, S.	P-113
Li, J.	P-238	Lisonkova, S.	P-197
Li, J. Z.	O-245, P-605, P-714	Lispi, M.	O-163
Li, K.	P-579	Little, L. M.	P-58
Li, L.	P-265	Liu, A.	P-592
		Liu, A. H.	P-334, P-339, P-351, P-361, P-364, P-524, P-883, P-888, P-890, P-891



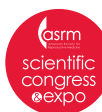
ABSTRACTS AUTHOR INDEX

Liu, C.	P-376	Luna Russo, M.	V-03
Liu, G.	P-300, P-629, P-631, P-683, P-690, P-692	Luna-Rojas, M.	O-263, P-435, P-795
Liu, H.	P-654, P-669, P-708	Lundy, S.	O-229
Liu, J. H.	O-33, P-50, P-69, P-413, P-541, P-902, V-15	Lundy, S.	P-657
Liu, J.	P-676	Luo, F.	P-245, P-263
Liu, J.	P-782	Lustgarten, N.	P-295
Liu, J.	P-777	Luu, T.	O-20, O-254, P-377
Liu, J.	P-51	Luyten, J.	O-163
Liu, R.	P-87	Luz, C. M.	P-43, P-186, P-187
Liu, W.	P-476	Lyall, V.	P-658
Liu, W.	P-579	Lyell, D. J.	O-156
Liu, W.	P-654, P-669, P-708	Lynen, R.	O-29
Liu, X.	P-654	Lynne, C. M.	P-695
Liu, X.	P-113	Lysenko-Brockman, A.	P-206
Liu, X.	O-195	Lysons, J.	O-145, O-252
Liu, Y.	P-411	M S, G.	P-105
Liu, Y.	P-49	M.Fatemi, H.	P-764
Liu, Y.	O-134, P-128	Ma, H.	O-84, P-102, P-627, P-803
Livi, C.	P-755	MA, J.	P-827
Llarena, N. C.	P-270	Ma, L.	P-769, P-805
Llerena Cari, E. M.	O-254	Ma, Q.	O-245, P-714
Lo, H.	P-262, P-268	Ma, Q.	P-605
Lo, J. C.	P-729	Ma, T.	P-898
Lo Turco, E. G.	P-33, P-55, P-162, P-626, P-722, P-835	Ma, Z.	P-229
Lobel, A. L.	P-495	Maalouf, M.	P-55
Lockwood, C. J.	P-315, P-585	Maalouf, W.	P-55
Loeb, A.	P-655	Maas, D. H.	P-27
Logsdon, D. M.	P-34, P-588, P-597	MacDonald, A.	P-749
Logsdon, D.	P-169	MacDuffie, K. E.	P-407
Logsdon, D. M.	P-511	Machtfinger, R.	P-885
Logsdon, D. M.	P-566	Mackens, S.	O-114
Loiudice, L.	P-355	Maddy, B.	P-466
Lokeshwar, S. D.	P-156, P-645	Madeira, J. L.	O-62, O-115, P-840
Long, C. A.	P-130, P-384	Madjunkova, S.	P-800
Long, L.	P-455	Maeda, T.	P-498
Longani, S. A.	P-71	Maetzold, E.	V-07
Longobardi, S.	P-140, P-155	Magaoay, B. I.	P-200, P-510, P-920, P-924
López-Yañez, L.	P-620	Mahalingaiah, S.	O-37
Lorenzon, A. R.	P-150, P-416	Maheshwari, A.	P-436
Loret de Mola, J. R.	P-732	Mahjoub, S.	O-258
Loughlin, J.	P-500, P-869	Mahmoud, K.	P-677, P-709
Loumaye, E.	P-482	Mahony, M. C.	P-155
Loup, V.	O-108	Mahony, M. C.	P-875
Loutradis, D.	P-151, P-214, P-292	Mahony, M. C.	P-509
Lovaglio Diez, M.	P-193	Mainigi, M.	P-112, P-433
Lozano, J. M.	O-257	Maisenbacher, M. K.	O-48, O-71, O-72, O-112, O-113
Lu, B.	P-801, P-810	Majhi, R. K.	P-670
Lu, G. Z.	P-503	Majiyd, N. a.	P-439
Lu, Y.	P-486	Majumdar, G.	P-553
Luck, M. L.	O-71, O-112	Majzoub, A.	P-634, P-686, P-699, P-712
Luck, M.	O-72	Makhijani, R. B.	O-123, P-96, P-399, P-444, P-916, P-928
Luk, J.	P-168, P-171, P-173	Makhlouf, A.	P-127
Lukes, A. S.	O-1, O-205, O-206, P-308	Makhlouf, A. A.	P-921
Lumsden, M.	P-696	Makino, H.	P-498



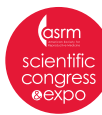
ABSTRACTS AUTHOR INDEX

Makloski, R.	O-211, P-281	Mashiach Friedler, J. B.	P-288
Makri, D.	P-55	Mashiach Friedler, J.	P-64
Malhotra, N.	P-219	Maslow, B. L.	P-304
Malhotra, N.	P-105	Maslow, B. L.	O-9
Malik, M.	P-312, P-828	Masson, P.	O-152
Malmsten, J.	O-183	Masterson, J. M.	O-57
Malone, A.	O-7	Masterson, T. A.	P-644, P-679
Malvezzi, H.	O-192	Mateu-Pascual, J. M.	P-358
Mamillapalli, R.	O-160, O-189, P-239	Matevossian, K.	P-224, V-06
Man, L.	P-295, P-297	Matey, S.	P-854
Mancuso, A. C.	O-40, P-763, V-07	Mathes, M. A.	P-393, P-681
Mandal, A.	P-396	Mathew, S.	P-814
Mandelbaum, R. S.	O-226, P-39, P-115, P-855	Mathur, V.	O-187
Mandell, H.	O-97, P-522, P-844, P-929	Matifashvili, T.	O-129, P-47, P-154
Mandell, H.	P-550, P-724	Matsumoto, H.	O-130, O-155, P-191
Mangal, R.	P-111, P-529	Matsumoto, L.	P-626, P-835
Mani, S.	P-112	Matsunaga, R.	P-498, P-606
Maniar, K. P.	O-109	Matsuo, K.	O-226, P-855
Maniar, V.	V-04	Matsuzaki, S.	O-226, P-855
Mankus, E. B.	P-733, P-742	Matthys, L.	P-103, P-133
Mann, R. S.	P-619, P-792	Matts, A.	O-44
Manske, G.	P-714	Mauries, C.	P-559
Mantravadi, K.	P-63, P-71, P-547, P-647, P-665, P-691, P-703, P-713, P-715, P-811, P-814	Mavrogianni, D.	P-151, P-214, P-292
Manuel, E. C.	P-313	Maxwell, R.	P-726
Manvelyan, E.	P-464, P-734	Maxwell, S.	O-239, P-354
Marchetto, N. M.	O-244	Mazur, P.	P-37, P-789
Marconi, A.	P-885	McAllister, A.	P-164
Marella, M.	P-403	McArthur, S. J.	P-53, P-753
Marín, C.	O-82	McAvey, B.	O-154, P-180, P-205, P-406, P-491
Marom Haham, L.	P-800	McCaffrey, C.	O-170, P-73, P-302, P-461
Marom Haham, L.	P-288	McCaffrey, P.	O-229
Marrs, R.	P-456	McCallie, B. R.	O-83, O-211, P-281, P-576, P-580
Marsh, C. A.	O-149, P-879	McCallie, B. R.	P-217
Marsh, E. E.	O-7, O-126, O-213, P-04, P-313, P-599, P-605, P-851, P-918	McCarter, K.	O-137, O-230, P-341
Marsidi, A. M.	O-140, P-213	McCormick, S.	P-34, P-169, P-511, P-576, P-588, P-619, P-792
Martazanova, B.	P-871	McCubbin, N.	P-619, P-792
Martel, R. A.	P-293, P-453	McCulloh, D. H.	P-118
Marti-Gutierrez, N.	P-102, P-803	McCulloh, D. H.	O-170, P-116, P-182, P-257, P-305, P-638, P-728, P-754
Marti-Gutierrez, N.	O-84, P-627	McGee, E. A.	O-168
Martin, C. E.	O-122, O-149, P-826, P-832, P-879	McGinnis, L. K.	P-13, P-39, P-115, P-804, P-850
Martin, J.	P-323	McGinnis, L. K.	O-4
Martin, L. D.	P-158	McGovern, P. G.	P-500, P-869
Martin, P.	P-774	McGuinness, B. G.	P-901
Martin, T.	P-133	McHale, M.	O-236
Martín Patón, I.	O-107	McKain, L.	O-1, O-206
Martínez, A. G.	P-615	McKenna, G.	P-383
Martínez-Jabaloyas, J.	P-531, P-668, P-687, P-694	McKenzie, L. J.	P-367, P-369, P-718, P-847
Martini, A. E.	P-457, P-477, P-509, P-875, P-922	McLernon, D. J.	P-436
Martire, F. G.	O-132, P-355	McQueen, D. B.	O-72, P-338, P-923
Maruniak, K.	P-511	McQueen, D. B.	O-71, O-109, O-112, P-917
Mas, A.	P-311	McReynolds, S.	P-619, P-792
Masbou, A.	P-257	Medrano, M.	P-280, P-358



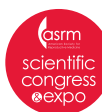
ABSTRACTS AUTHOR INDEX

Meeks, H. D.	P-362	Mishieva, N.	P-871
Mehr, H.	O-63, P-170, P-512	Missmer, S. A.	O-158, O-194, P-250, P-376
Mehta, A.	O-53	Mitalipov, S.	O-84, P-102, P-627, P-803
Mehta, A.	O-140, P-328, P-642, P-661	Mitchell, A. D.	O-74, O-78
Mehta, S.	P-562	Mitchell, C. N.	O-162
Meier, B.	P-240	Mitsuhata, S.	P-65
Mejia, R. B.	P-763	Miura, M.	P-498
Mell, J. C.	P-278	Miyadahira, E. H.	P-626
Melo, A. S.	P-868	Miyagi, E.	P-226
Mendez, F.	P-150	Miyakoshi, A.	P-226
mendizabal-Ruiz, G.	P-813	Miyazaki, K.	P-25
mendizabal-Ruiz, G.	P-77	Mizuno, S.	O-155, P-191
Mendizabal-Ruiz, G.	P-88	Mnallah, S.	P-677, P-709
Meng, L.	P-771	Mochtar, M. H.	O-247
Mengeling, M. A.	O-40, O-61, P-279, P-337, P-838	Moffitt, M.	P-914
Menke, M.	P-877	Moges, R.	P-467
Meola, J.	O-192	Mohamed, A. M.	P-907
Mercader, A.	O-18	Mok-Lin, E.	O-157, O-219, O-251
Merchant, M.	O-29	Mokhtare, A.	O-184
Merdassi, G.	O-258	Mol, B. W.	P-127
Merhi, Z.	P-148, P-172, P-490, P-554, P-783, P-784, P-841	Mol, B.	O-247, P-140
Merkison, J.	P-561	Molinari, E.	P-134, P-136, P-450, P-538, P-582, P-613
Merriam, A.	P-569	Molinaro, T.	P-778
Merrion, K.	O-48, O-113, P-321, P-621, P-758, P-917	Moliver, J. A.	P-48
Mersereau, J.	P-142	Mollá Robles, G.	P-542
Meseguer, M.	O-153, P-12, P-21, P-79, P-81, P-83, P-84, P-99	Mollá Robles, G.	O-264
Messner, M.	P-225	Mollan, S. G.	O-30
Meyer, A. D.	P91	Momotaz, H.	P-413
Meyers, J.	P-774	Mondshine, J. N.	P-725, P-733, P-742
Mgboji, G. E.	O-162	Monleón, J.	P-311
Mieleszko, J. E.	P-168, P-171, P-173	Montagut, M.	P-557
Mifsud, A.	O-18, P-21	Monteleone, P. A.	P-495
Mignini Renzini, M.	P-822	Montoya, M. N.	O-10
Migoya, E. M.	O-196, P-598	Moon, J.	P-391
Mikhailchenko, A.	P-102	Moon, S.	P-391
Mikhailchenko, A.	O-84, P-627, P-803	Moore, J.	P-632
Milad, M. P.	P-911	Mor, A.	O-174
Milano, S. P.	P-591	Mor, E.	P-759
Milki, A. A.	P-441, P-479, P-485	Mora, B.	P-671
Miller, C. E.	V-06	Mora, B.	P-679
Miller, C.	O-235, P-412	Moradi, R.	P-95
Miller, D.	P-429	Moradian, M. M.	P-757
Miller, K. A.	P-472	Morales, I. O.	P-884
Millette, M.	P-918	Morales, I. O.	P-371
Mills, G.	O-6, P-717	Morales Vicente, A. M.	P-899
Minasi, M.	O-3	Moran, C.	P-93
Minassian, S.	P-533	Moravek, M. B.	O-167, P-199, P-212, P-227, P-363, P-395, P-543, P-741, P-786
Minchella, P.	P-897	Morbeck, D. E.	O-17
Mínguez-Alarcón, L.	O-37	Morelli, S. S.	O-244, P-500, P-869
Minis, E.	P-869	Moreno, I.	O-82, O-197
Mir Pardo, P.	P-323	Moreno, P. I.	O-240, P-11
Miranian, D.	P-199, P-212	Moreno, V. C.	P-15, P-24
		Morgan-Ruiz, F. V.	P-502



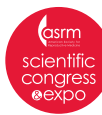
ABSTRACTS AUTHOR INDEX

Mori, L.	P-189	Najmabadi, S.	P-141
Mori, M.	P-188	Nakajima, S. T.	P-141
Morimoto, Y.	O-130, O-155, P-191	Nakajo, Y.	P-856
Morishita, N.	P-606	Nakamura, Y.	P-188
Moritz, L.	P-714	Nakatsukasa, E.	P-188
Morris, J. R.	O-101, P-05, P-07, P-870, P-889	Nakhuda, G. S.	P-120
Morris, R.	P-600	Nalawade, V.	O-50, O-54
Morselli, M.	O-246	Namath, A.	P-104, P-469
Moss, H. A.	O-204	Nangia, A.	P-642
Mostafa, M. I.	P-515	Nap, A.	O-247
Mostak, K.	P-405, P-419, P-426, P-427, P-873	Naranjo, V.	P-79
Motoyama, H.	P-65	Nardi, E.	P-66, P-189
Motta, E. L.	P-150, P-416	Nasr, A.	O-207
Mottla, G. L.	P-509, P-875	Natan, Y.	O-91
Moustafa, S. M.	P-344	Nathanson, C.	P-34
Moutos, C. P.	O-119, P-635, P-752	Navall, E.	P-35, P-72
Mu, M.	P-796	Navarrete, F.	P-636
Mukherjee, T.	O-218, O-227, O-263, P-180, P-417, P-491	Navarrete, G.	P-58
Mullin, C.	O-217, P-174, P-221, P-223, P-389, P-437, P-751, P-776	Navarro, A. M.	O-264
Mulloy, H. L.	P-429	Navarro, A.	P-320
Mumford, S. L.	O-171	Navarro, J. M.	P-131
Muncey, W.	P-655	Navarro, P. A.	P-43, P-186, P-187
Munné, S.	O-3, P-141	Navarro, R.	P-620
Munne, S.	O-13, P-103, P-133	Navarro-Sánchez, L.	P-620
Munyoki, S.	O-245	Nayak, N.	P-823
Murakami, K.	P-26	Nayar, K. D.	P-261, P-646, P-730
Muralimanohara, B.	O-210	Nayar, K. D.	P-261, P-730
Murase, M.	P-226	Nayar, P.	P-261
Murphy, J.	O-54	Nazário, R. F.	P-348
Murphy, J. D.	O-50	Nazem, T. G.	O-103, O-154
Murphy, M. J.	O-177	Neal-Perry, G. S.	O-35
Murray, A.	P-53, P-753	Neale, I.	P-567
Murugappan, G.	O-121, O-156, P-483	Needleman, D.	O-81, O-185, P-44, P-574, P-618
Muthigi, A.	P-628	Nefalar, J.	P-757
Myers, J.	O-148, P-748	Neff, L. M.	O-126, O-213, P-313, P-918
Mykytenko, D. O.	P-37, P-789	Neisani Samani, E.	P-185
N, A. A.	P-713	Neitzel, D.	O-43, O-74, O-78
Na, T.	P-457	Nejat, E. J.	P-168, P-171, P-173
Naaldijk, Y.	O-244	Nel-Themaat, L.	O-254
Nachtigall, M.	P-728	Nel-Themaat, L.	P-377
Nackeeran, S.	P-919	Nelson, J. R.	O-75, O-201
Nadal, A.	P-141	Nelson, L. M.	O-193
Nadgauda, A.	P-501	Nelson, S. M.	P-443, P-696
Naeemi, F. K.	P-628	Nemati, F.	P-185
Naftaly, J.	O-34	Nesbit, C. B.	O-11, O-212, P-378, P-381, P-382, P-392
Nagai, M.	P-626, P-835	New, E. P.	O-135, P-315, P-434, P-853
Nagai, Y.	P-241	Nezhat, F. R.	P-901
Nagle, S. A.	O-157	Nguyen, H.	P-59
Nagy, Z. P.	O-136, P-411, P-926	Nguyen, H. T.	P-839
Nahas, S.	P-267	Nguyen, T.	O-203
Nahum, R.	P-885	Nguyen, T. V.	P-92, P-100
Naik, R.	O-100	Niauri, D.	P-674
Najari, B. B.	O-68, O-202, P-638	Nickel, K. B.	O-32, P-01
		Nicolielo, M.	P-150



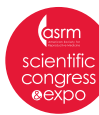
ABSTRACTS AUTHOR INDEX

Nikitos, E.	O-172	Ory, S. J.	P-472
Nikolova, K.	P-61, P-506, P-849	Osaka, A.	P-640
Nimmagadda, L.	P-227	Osés, R. J.	P-70
Noel, M.	P-05, P-07, P-870	Osman, E. K.	O-5, O-77, O-92, P-256, P-463, P-465, P-518, P-609, P-659, P-744, P-791
Nohria, A.	P-887	Oso, C.	O-97, P-522, P-550, P-724, P-844, P-929
Norian, J. M.	O-75, O-201	Ouerdani, A.	P-598
Noriega, J.	P-802	Overbey, J.	P-445
Noriega-Hoces, L.	P-802	Owen, D. M.	P-179
Notarangelo, L.	P-66, P-189	Owen, J.	P-336
Noyes, N.	P-354, P-420, P-424	Ozekinci, M.	P-390
Nugent, N. L.	P-190	Özer, G.	O-89
Nulsen, J.	P-96, P-399, P-444, P-916, P-928	Ozer, L.	P-624, P-806, P-815
Nunes, S. G.	O-264	Ozmen, A.	P-315, P-585
Nuñez, V. H.	P-146	Ozmen, B.	P-259
Nusblat, D.	O-66, P-327	Ozturk, M.	P-852
Nussbaum, R. L.	O-46	P, G. P.	P-892
Nwefo, E.	O-58	Pacheco, A.	O-105, O-107, P-14, P-16, P-117, P-854
Nwobodo, N.	O-20	Padmanabhan, V.	P-227
Nyboe Andersen, A.	P-443	Pagidas, K.	O-179
O'Brien, J. E.	P-469, P-628, P-780	Pagliardini, L.	O-75, O-201
O'Leary, T.	O-102, P-423, P-848, P-927	Pai, R.	P-156
O'Shea, A. M.	P-337, P-838	Pakrashi, T.	P-459
Obashi, A.	P-191	Pal, L.	P-198, P-290
Obeso Montoya, J. I.	P-371, P-555	Palavos, L. A.	P-50, P-69
Obidniak, D.	P-674	Palermo, G. D.	O-69, O-175, O-184, O-241, O-242, P-110, P-448, P-460, P-481, P-496, P-563, P-568, P-587, P-625, P-633, P-639, P-641, P-663, P-688, P-689, P-705, P-781, P-790, P-819
Ocali, O.	P-620	Palmerola, K. L.	O-24, P-156, P-797
Ochi, M.	P-498, P-606	Palmerola, K. L.	P-45, P-385
Ochoa, T.	P-135	Palmor, M.	P-772
Ogunremi, O.	P-846	Pamplona, R.	P-577
Oh, C.	P-118	Pan, A.	P-925
Ohaegbulam, G.	P-375	Pan, S.	P-400, P-401
Ohamadike, O.	P-409	Panadero, J.	P-323
Ohgi, S.	P-36	Pancharatnam, J.	P-584
Ohl, D. A.	P-695	Pandi, H.	P-292
Okada, H.	P-640	Pang, T.	P-654, P-669
Okeke, E.	P-367	Panitsa, G.	P-82
Okhovat, M.	O-246	Panko, A. J.	P-877
Okuyama, N.	P-188	Panner Selvam, M.	O-229
Olariu, A. I.	O-26	Panner Selvam, M.	P-637, P-649, P-653
Olavegoya, P. S.	P-146	Papatheodorou, E.	P-151
Olcha, M.	P-148, P-554	Pardo, D. M.	P-788
Olcha, M.	P-175, P-490, P-783, P-784, P-813	Parekh, N.	O-229, P-657
Oliva, M.	P-108, P-431	Pariz, J. R.	P-145, P-192
Olivares, R.	P-73	Park, E.	P-548
Omurtag, K.	O-149, O-165, P-879	Park, H.	O-243, P-731
Opdahl, S.	O-49	Park, J. K.	O-169
Orris, J. J.	P-533	Park, K. E.	P-804
Orris, J. J.	P-865	Park, M.	O-176
Ortega, I.	P-854	Park-Hwang, E.	P-10
Orvieto, R.	P-885	Parker, P. B.	O-76, O-102, P-356, P-423, P-848, P-927
Orwig, K.	O-245		
Orwig, K. E.	O-94		
Orwig, K. E.	P-714		
Ory, J.	P-632, P-707		



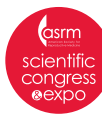
ABSTRACTS AUTHOR INDEX

Parks, J. C.	P-281, P-576	Perfetti, P.	P-591
Parmar, M.	P-697	Perlman, B. E.	P-500, P-569
Parra, C. M.	O-237	Perrot, V.	P-827
Parrella, A.	O-69, P-110, P-448, P-460, P-481, P-496, P-625, P-633, P-639, P-641, P-663, P-688, P-689, P-705, P-781	Persily, J. B.	O-68, O-202
Parrill, A.	P-203	Perugini, D.	P-92, P-100
Parvanov, D.	P-40, P-61, P-235, P-318, P-506, P-583, P-849	Perugini, M.	P-92, P-100
Pasquale, P.	O-91, P-502, P-555	Petersen, S. H.	O-49
Pasquier, M.	P-440	Peterson, C.	P-248
Pastore, L. M.	P-807	Peterson, K.	P-248, P-539
Pastuszak, A. W.	O-67, O-139	Peterson, K. R.	P-685
Patassini, C.	P-755	Petracco, A.	P-101, P-684
Pate, L.	P-546, P-843	Petrini, A. C.	O-242
Patel, D. P.	O-67	Peura, T.	P-53, P-753
Patel, P.	O-234, P-645, P-666, P-675	Peyser, A.	P-221, P-223, P-420, P-424
Patel, S. S.	P-62, P-471, P-794	Pfeifer, J. T.	P-673
Patounakis, G.	O-73, O-77	Pfeifer, S.	V-10
Patrick, J. L.	O-225	Pham, C. T.	O-246
Patrizio, P.	P-134, P-538	Pham, T. V.	P-111, P-529
Patron Vazquez, M. A.	P-706	Phelps, J. Y.	O-119, P-752
Paula, C. T.	P-868	Phillippi, K.	P-842
Paulson, R. J.	O-4	Phillips, S.	P-478
Paulson, R. J.	O-226, P-39, P-115, P-660, P-804, P-855	Piccinato, C. A.	O-192
Pavlovic, Z. J.	O-97, P-522, P-550, P-724, P-844, P-929	Piccolomini, M. M.	P-33, P-626
Pavone, M.	O-65, O-109, O-112, P-338, P-363, P-923	Pieper, C. F.	P-447
Pavone, M.	P-808, P-911	Pierce, M. K.	P-778
Paya, E.	P-79	Pieters, J. J.	O-247
Paz, V.	P-373	Pinasco, M.	P-529
Paziuk, M.	P-636	Pinborg, A.	O-49
Pearson, H.	O-217, P-174, P-776	Pingping, L.	O-80
Peavey, M.	O-161	Pinheiro, M. d.	P-162, P-722
Peck, J. D.	O-127, O-253	Pinto, B. C.	P-31
Peigné, M.	P-137	Piquette, T.	P-925
Peipert, B. J.	O-10, P-283, P-747	Pires, E. k.	P-626, P-835
Peipert, J. F.	O-29	Pisarska, M. D.	P-719, P-727
Pellegrini, M.	O-246	Pixley, S.	P-422
Pellicer, A.	O-18, O-153, P-608, P-723, P-787	Place, T.	P-13
Pellicer, A.	P-355	Plowden, T. C.	O-7, O-126, P-313
Peña, V.	P-676	Pocate-Cheriet, K.	P-137
Peng, B.	O-111, P-203	Podgaec, S.	O-192
Peng, C.	O-189	Pohl, O.	P-482
Penrose, L. L.	O-14, P-22, P-274	Poindexter, A.	O-1, O-205
Penzias, A. S.	O-185, P-106, P-452, P-772	Polat, M.	P-624, P-806, P-815
Pépin, D.	O-37	Poli, M.	P-755
Peregrin-Alvarez, I.	P-204	Pollack, S. E.	O-260, O-261
Pereira, N.	P-438	Polonio, A. M.	P-280, P-358
Pereira, T. A.	P-667	Polotsky, A. J.	O-20, O-254, P-377, P-442
Pérez, M.	O-18	Polyzos, P.	O-172
Perez, O.	P-58	Pomeroy, K. O.	P-459
Perez Vargas, M.	P-706	Porcu, E.	P-66, P-189
Perez-Albala, S.	P-99	Portugal, A.	P-889
Pérez-Vargas, M.	P-555	Potter, D. A.	O-201
		Poulimeneas, M.	P-151
		Poulose, K.	P-661
		Prasad, N.	O-179



ABSTRACTS AUTHOR INDEX

Presson, A.	O-139	Ramsey, C.	P-102
Prien, S. D.	O-14, P-22, P-274	Randolph, J. F.	O-167
Prokai, D.	P-544	Ranéa, C.	P-145
Prokopakis, T.	O-172	Rangelov, I.	P-40, P-506
Provenza, R. R.	P-652	Ranisavljevic, N.	O-108, P-557
Prusinski Fernung, L.	O-210	Rankin, H.	O-236
Psarris, A.	P-214	Rao, D. G.	P-63, P-71, P-547, P-665, P-811, P-814
Psathas, P.	O-172	Raouasnte, R.	P-151
Puga Molina, L. C.	P-468	Rappolee, D.	P-276, P-586, P-602
Pulaski, H.	P-878	Raptis, N.	O-97, P-522, P-844, P-929
Punjani, N.	O-59, O-87, O-141, O-143, P-346, P-648, P-656, P-664, P-672, P-678, P-680, P-682, P-693, P-705	Raptis, N. I.	P-550, P-724
Purandare, N.	P-897	Rasouli, M. A.	O-119, P-334, P-339, P-351, P-361, P-364, P-414, P-524, P-883, P-888, P-890, P-891
Purdue-Smithe, A. C.	O-171	Ratousi, D.	P-758
Purusothaman, V.	O-161, P-202, V-11	Ratts, V.	O-215
Puscheck, E. E.	P-276, P-586, P-602	Rausch, J.	P-286
Putman, J. M.	P-383	Rausch, M.	P-335, P-403, P-420, P-424
Putman, J.	P-896	Ray, L. J.	P-130, P-384
Qiu, M.	O-8	Rayapati, R. S.	P-691
Qiu, S.	P-736	Recanati, M.	P-897
Quaas, A. M.	O-23, O-127	Reder, M.	P-225
Quaas, P.	O-23	Reed, S. D.	O-29, O-131
Quake, S. R.	O-197, P-311	Rehmer, J. M.	P-545
Quan, S.	P-87	Reich, J.	P-768
Quera, M.	P-17	Reichman, D.	P-451, P-466
Quinn, G. P.	P-303	Reid, J. A.	P-914
Quinn, M. M.	O-47, O-63, O-101, P-170, P-208, P-484	Reindollar, R. H.	O-11, O-212, P-378, P-381, P-382, P-392
Quintana, F.	O-105, P-14, P-16, P-117	Reinheimer, T. M.	P-591
Quraishi, S.	P-846	Reizes, O.	P-247
Qureshi, R.	P-697	Relekar, N. S.	P-811
Rabinowitz, M. J.	P-676	Remmer, H. A.	P-918
Racca, A.	O-114	Remohi, J.	P-542
Racowsky, C.	P-201	Remohi, J.	P-79, P-81, P-99
Racowsky, C.	O-15, O-81, P-44, P-521, P-534, P-618	Ren, B.	P-796
Radley, E.	O-97, P-522, P-550, P-724, P-844, P-929	Ren, C.	O-45
Rafael, F.	O-264	Repping, S.	O-247
Raghupathy, R. M.	P-71, P-665, P-691, P-703, P-713, P-715	Requena, A.	P-744
Rahman, F.	P-194	Requena, A.	P-857
Raidoo, S.	O-12, P-165	Resetkova, N.	P-209
Raine-Bennett, T. R.	O-29	Reshef, E. A.	P-908
Raja, E. A.	P-436	Reyes, G. C.	O-257
Raja, N. S.	O-7, P-395, P-599	Reynolds, A. C.	O-22
Rajput, S. K.	P-169, P-566, P-597	Reynolds, J.	P-599
Rakitina, E.	O-234, P-675, P-919	Rezk, A. H.	O-58, P-707
Ramachandran, M. K.	P-483	Rial, E.	P-577
Ramadan, H.	O-129, P-47, P-154, P-459	Ribeiro, A. T.	P-101
Raman, A.	P-351, P-524	Rich-Edwards, J.	O-19, O-194
Ramasamy, R.	O-58, O-231, P-156, P-645, P-697, P-707	Richards, E.	P-546, P-843
Ramasamy, R.	O-234, P-644, P-666, P-671, P-675, P-919	Richards, E. G.	P-247, P-545, V-13
Rameshwar, P.	O-244	Richards, J. P.	P-635
Ramirez, L. B.	O-9, P-304	Richter, K. S.	P-405, P-419, P-426, P-427, P-429, P-873
Ramos, N. E.	P-98	Riddle, M. P.	P-408



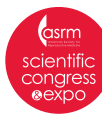
ABSTRACTS AUTHOR INDEX

Riege, R. M.	P-373		
Rienzi, L. F.	P-755		
Rienzi, L.	P-620		
Riestenberg, C.	P-430, P-484, P-512		
Riggs, J. C.	P-203		
Riley, J.	O-32, O-122, O-215, P-01, P-468, P-826, P-832		
Rimestad, J.	O-181		
Rinaudo, P.	P-113		
Ringler, G. E.	P-456		
Rink, K.	O-172		
Rios, J. S.	P-176, P-442, P-685		
Ritchey, M. E.	O-29		
Rito, T.	O-34		
Rivas, J. L.	P-141		
Rivelli, A.	P-224		
Rivera-Egea, R.	P-16		
Rivera-Egea, R.	O-105, P-14, P-117		
Rivera-Egea, R.	P-531, P-668, P-687, P-694		
Robbins, W. A.	O-57		
Roberts, D. J.	O-70		
Roberts, H. E.	P-414		
Roberts, J.	P-228		
Robinson, L. G.	P-118		
Robinson, R. D.	P-216, P-306, P-612, P-614, P-725, P-733, P-742		
Robles, A.	O-150		
Robles, A.	P-177, P-366, P-374		
Robles, B. N.	P-177, P-366, P-374		
Rodrigues, M.	P-192		
Rodriguez, J. A.	P-62, P-471, P-794		
Rodriguez, L.	P-899		
Rodriguez, S. A.	P-757		
Rodriguez, U. V.	P-146		
Rodriguez-Wallberg, K. A.	O-180, P-593		
Roeder, C.	O-163		
Roiz Castro, J. A.	P-371		
Rojas, F. M.	O-257		
Rollene, N.	P-477		
Roman, H.	P-249, P-255		
Romanski, P. A.	O-41, O-134, O-250, P-128, P-152, P-200, P-243, P-332, P-333, P-343, P-438, P-451, P-467, P-488, P-507, P-510, P-920, P-924, V-10		
Romany, L.	P-81		
Romero, S. A.	P-837		
Romundstad, L.	O-49		
Rosales, J. C.	P-425, P-502, P-706, P-884		
Rose, B. I.	P-149		
Rosen, E. M.	O-161, P-202		
Rosenwaks, Z.	O-41, O-69, O-134, O-137, O-175, O-183, O-184, O-230, O-241, O-242, O-250, P-110, P-128, P-152, P-295, P-297, P-297, P-341, P-343, P-438, P-448, P-451, P-460, P-466, P-481, P-488, P-496, P-507, P-563, P-568, P-587, P-625, P-633, P-639, P-641, P-663, P-688, P-689, P-765, P-781, P-790, P-819		
Rossi, B.	O-168		
Rossillo, M.	P-728		
Roth, R.	O-103, P-18, P-124, P-795		
Rothman, K. J.	P-700		
Rottenstreich, M.	P-161		
Roudebush, W. E.	P-612, P-614		
Rouissi, M.	P-882		
Rouleau, L.	P-718		
Roumia, A.	P-64, P-288, P-800		
Rowe, T. C.	P-775		
Rubenfeld, E. S.	O-228		
Rubenstein, G. E.	P-227		
Rubeo, Z. S.	P-383		
Rubin, L. R.	P-807		
Rubino, P.	O-75, O-201		
Rubio, C.	P-620, P-755		
Rucker, L.	P-336		
Ruden, D.	P-276, P-586, P-602		
Ruderman, R.	O-71, O-72, O-112, P-222, P-821		
Rufato, M. A.	P-868		
Ruiter-Ligeti, J.	P-129		
Ruiter-Ligeti, J.	P-862		
Ruiz, A. S.	P-35, P-72		
Ruiz, E.	P-112, P-433		
Rupasree, Y.	P-71, P-691, P-703, P-713		
Rupasree, Y.	P-715		
Rushing, J.	O-254		
Russ, J. E.	P-580		
Russell, H. I.	P-497		
Russell, S.	P-685		
Russo, C.	O-132		
Ryan, E. E.	P-210, P-211		
Ryan, G. L.	O-40, O-61, P-279, P-337, P-838		
Ryan, R.	O-70		
Rydze, R.	P-925		
Ryley, D.	P-298		
S S, G.	P-892		
Saad, A. F.	P-635		
Saad, N. M.	P-799		
Saad El-Dein, H.	P-893		
Saad-Naguib, M.	P-472, P-809		
Saadat, P.	P-759		
Saadeldine, H.	P-127		
Sabanegh, E.	P-657		
Sabanegh, E.	O-229		
Sabiner, Y.	P-161		
Sacchi, L.	P-755		
Sacha, C. R.	O-37, O-70		
Sacha, C.	P-54, P-85, P-86, P-121, P-860		
Sadecki, E. N.	O-147, P-900		



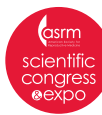
ABSTRACTS AUTHOR INDEX

Sadek, S.	O-129, O-168, P-47, P-154	Sarkar, P.	O-135, P-434, P-853
Sadler, A.	O-61, P-279, P-337	Sarris, I.	P-125, P-352
Saed, G. M.	P-824	Sasaki, K.	V-06
Saeedi, P.	P-95	Sasaoka, T.	P-188
Saeki, S.	P-230	Sato, H.	P-33
Saha, S.	P-310	Sauerbrun-Cutler, M.	O-90, O-255
Sahagun, M. J.	P-441	Saunders, H.	P-225
Sahin, C.	P-233	Saunders, R. D.	P-477, P-743
Sahin, Y.	P-388, P-492	Sax, M. R.	P-550
Sakakibara, H.	P-226	Sayme, N.	P-27
Saketos, M.	O-66	Scala, C.	O-208, P-119, P-246, P-252, P-266, P-347, P-353
Sakinci, M.	P-390	Scarpellini, F.	P-506, P-849
Sakkas, D.	O-185, P-106, P-153, P-298, P-452, P-520, P-574, P-620, P-772, P-798	Schadt, E.	P-573
Sakuraba, Y.	P-241	Schattman, G.	O-41, P-295, P-467, P-507
Salamah, O. Y.	P-622	Schelble, A.	O-165
Salari, S. M.	P-56, V-14	Schelble, A. P.	O-122, P-826
Salem, H.	P-921	Schenk, L.	P-111, P-529
Salih, S.	P-118, P-340, P-396	Schenken, R. S.	P-616
Salter, C. A.	O-59	Schickedanz, A.	O-44
Saltik, A.	P-123, P-864	Schiewe, M. C.	P-135, P-190
Saltus, C. W.	O-29	Schlegel, P. N.	O-87, O-143, P-648, P-656, P-664, V-02
Salvai, M.	P-373	Schliep, K. C.	P-248
Salvatian, S. N.	P-147	Schmidt, A. R.	P-928
Sam, N.	P-429	Schnell, V. L.	O-169
Samanta, L.	P-637, P-649	Schoendorf, J.	O-29
Samanta, L.	O-38, P-670	Scholl, G.	P-354
Samir, M. M.	P-881	Schon, S. B.	P-199, P-212, P-543, P-599
Sampaio, M.	P-31	Schoolcraft, W. B.	P-580, V-09
Samplaski, M. K.	P-660	Schoolcraft, W. B.	P-20, P-23, P-34, P-74, P-169, P-217, P-432, P-566, P-588, P-597, P-603, P-820
Sampson, A.	P-303	Schoolcraft, W. B.	O-83, P-29, P-511, P-537, P-788
Samy, M.	P-895	Schoolcraft, W. B.	O-44, O-211, P-28, P-80, P-281, P-386, P-565, P-576, P-619, P-792
San Roman, G.	P-540, P-734	Schoyer, K. D.	O-148, P-748, P-925
San Roman, G.	P-540	Schroeder, T.	P-673
Sanami, S.	O-182, P-76, P-89	Schulze-Rath, R.	O-131
Sanchez, H.	O-257	Schwartz, A. R.	P-906
Sanchez, T. H.	O-185, P-574	Schwartz, K.	V-13
Sanchita, S.	O-38, O-246, P-207, P-670	Scott, C. S.	P-256, P-463
Sandiford, O. A.	O-244	Scott, R. T.	O-5, O-73, O-77, O-92, O-142, O-173, P-17, P-90, P-123, P-256, P-349, P-463, P-465, P-518, P-562, P-594, P-608, P-609, P-659, P-723, P-744, P-756, P-769, P-779, P-791, P-805, P-864
Sandler, B.	O-263, P-180, P-435, P-795, P-858	Seager, S. W.	P-695
Sandlow, J. I.	O-148, P-748, V-04	Sebra, R. P.	P-573
Sandoval, V.	P-645	Seckin, S. I.	P-446, P-449
Sandvei, M. S.	O-49	Seckin, T. A.	P-265
Sangwan, N.	O-229	Segal, O.	P-78, P-867
Sanseverino, M. V.	P-684	Segars, J.	O-86, P-59, P-319, P-746
Santamaria, X.	P-817	Segars, J. H.	O-209, P-265, P-310
Santamaria Flores, E.	P-06	Sehgal, S.	P-553
Santi, C. M.	P-468		
Santoro, N.	O-152		
Santos, R.	P-371, P-555		
Santos, T. L.	P-868		
Santos-Ribeiro, S.	O-264		
Santulli, P.	P-137, P-249, P-255		
Sapienza, C.	P-112, P-433		



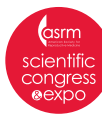
ABSTRACTS AUTHOR INDEX

Sehnert, S.	O-66	Sheffy, A.	P-533
Seidman, D. S.	P-161, P-885	Sheflin, A.	P-23
Seifer, D. B.	O-2, O-259, P-462, P-473	Shen, H.	O-210
Sekhon, L.	P-108, P-406, P-417, P-431, P-487, P-573	Shen, J.	P-782
Seli, E.	O-5, O-174, P-463, P-562, P-578, P-608, P-609, P-723	Shen, Y.	P-605, P-714
Seli, E.	P-594	Shenoy, C.	P-412
Seli, E.	O-73, O-77, O-92, O-173, P-17, P-123, P-256, P-465, P-791, P-864	Shi, J. M.	O-29
Seli, E.	P-518	Shi, J.	P-552
Sen, F.	P-253	Shi, Y.	P-49
Sen, S.	P-234	Shi, Z.	P-749
Sen-Laurenz, R. N.	P-357	Shibahara, H.	P-230
Senapati, S.	P-433	Shibasaki, S.	P-188
Senapati, S.	P-112	Shibata, K.	P-606
Sermondade, N.	P-440	Shields, S.	P-627
Serrano, M. A.	O-193	Shih, I.	P-265
Seth-Smith, M. L.	O-13	Shikanov, A.	P-227, P-581
Sethuram, R.	P-340, P-396	Shin, D.	P-630
Setti, A. S.	O-39, P-183, P-513, P-652, P-866	Shin, L.	P-757
Setton, R.	O-137, O-230, P-341	Shin, P.	P-628
Setton, R.	O-175, P-587	Shinki, K.	P-340
Seyb, K.	P-636	Shipley, S. K.	P-628
Sfontouris, I. A.	P-82	Shirazi, T.	O-28, P-159
Sgarlata, C. S.	P-546, P-843	Shull, T.	P-612, P-614
Shabto, J. M.	P-661	Sibai, H.	P-515
Shafiee, H.	P91, P-54, P-85, P-86	Siciliano, T.	O-132
Shafir, A. L.	O-158	Siddiqui, J.	P-693
Shah, J. S.	O-185, P-209, P-574	Sidener, H. M.	P-102
Shah, N. J.	P-128, P-488, P-507	Siegel, M.	O-102, P-927
Shaia, K. L.	P-447	Sierra, J.	O-183
Shaikh, A. A.	P-138	Sifuentes, C. J.	P-774
Shami, A. N.	O-245, P-714	Sigman, M.	O-233
Shamonki, J. M.	P-400, P-401	Sigman, M.	P-643
Shan, G.	V-01, V-09	Silber, S.	P-581
Shan, W.	P-114, P-437	Sillivent, M.	P-22
Shandley, L. M.	O-125	Silva, S. G.	O-124, P-342
Shannon, J.	P-610, P-793	Silverberg, K.	P-92, P-100
Shannon-Baker, P. A.	O-124, P-342	Silverstein, G.	P-344
Shapiro, A. J.	O-47, O-106	Simas, J. N.	P-652
Shapiro, B. S.	P-351, P-524	Simón, C.	P-326
Shapiro, D. B.	O-136, P-411, P-926	Simón, C.	O-82, O-197, P-755, P-817
Shapiro, R. A.	P-720	Simón, C.	P-311, P-323, P-620
Sharanappa, V.	P-547, P-665	Simoni, M. K.	P-501
Sharara, F. I.	P-206	Simpson, S.	P-290
Sharma, A.	O-256	Simpson, S.	P-198
Sharma, D.	P-194	Simsek, B.	P-462
Sharma, P.	P-288	Simula, N. K.	P-910
Sharma, R.	P-194	Singh, B.	O-86, O-209, P-59, P-319, P-746
Sharma, S.	P-197	Singh, K. K.	O-179
Sharma, S.	O-255	Singh, M.	O-260, O-261
Shaulov, T.	P-478	Singh, M.	P-261, P-730
Shaw, J.	O-237, P-622, P-728, V-12	Singh, N.	O-256, P-219
Shawber, C. J.	P-569	Singh, S.	P-439
		Singh, S.	P-439
		Sinha, A. U.	P-589, P-590



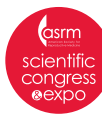
ABSTRACTS AUTHOR INDEX

Sinha, A.	O-220	Sprague, R. G.	O-135, P-517, P-853
Sinha, A.	O-223, O-224, O-225	Spratt, D. I.	O-221
Sinogaya, P.	O-75	Sriprasert, I.	P-660, P-759, P-850
Siqueira, D. C.	P-348	Stabilini, C.	P-242, P-252
Sites, C. K.	P-107	Stachecki, J.	P-135, P-190
Siva, M.	O-256	Stadtmauer, L.	O-129, O-168, O-169, P-154
Skalitzky, M. K.	P-838	Stamenov, G.	P-40, P-235, P-318, P-506, P-583, P-849
Skolnick, A.	O-217	Stamenov, G. S.	P-61
Skora, D.	P-62, P-471, P-794	Stanczyk, F.	P-726
Skytte, A.	P-422	Stanczyk, F. Z.	P-850
Slater, C. C.	O-169	Stanley, K. E.	P-572
Slayden, O. D.	O-25, P-158, P-245, P-263	Stanley, N. B.	O-120, P-03
Slifkin, R.	O-103, P-18, P-124, P-795	Stark, B.	O-157, O-219, O-251
Smith, A. K.	P-718, P-847	Starostanko, A.	P-176, P-539
Smith, C. M.	O-198	Stavros, S.	P-151
SMITH, J. F.	O-152	Stavrou, S.	P-214, P-292
Smith, K.	O-240, P-11	Steffan, S.	P-589, P-590
Smith, K. R.	O-67, P-362	Stein, D. E.	O-218, P-18, P-180, P-858
Smith, K.	P-181, P-363	Steinberg, J. R.	P-836
Smith, M. B.	P-855	Steiner, A. Z.	O-152, O-214, P-447
Smith, M. B.	O-4, O-166, O-226, P-39, P-115	Steiner, N.	P-862
Smith, M. L.	P-573	Steiner, N.	P-129
Smith, Y. R.	P-741, P-918	Stelmak, D.	O-167
Snabes, M. C.	P-250	Stern, J. E.	O-262, P-107, P-337, P-376
Soares, A. S.	P-513	Stevenson, E.	O-124, P-342
Soares, J. M.	P-495	Stevenson, M. J.	P-199, P-212, P-543, P-741
Soares, S. R.	O-264	Stewart, E. A.	O-1, O-147, O-205, O-206, P-308, P-900
Sokalska, A.	P-441	Stewart, J.	P-78, P-867
Soler, I.	P-358	Stewart, J.	O-41
Solignac, C.	P-137, P-255	Stoffels, G.	P-445
Solignac, C.	P-249	Stolakis, V.	P-32
Sonalkar, S.	P-164	Stone, J. L.	P-13, P-660
Song, E.	P-317	Storr, A.	P-140
Sonigo, C.	P-440	Stoykov, I.	P-318, P-849
Sonksen, J.	P-695	Stratton, M. O.	P-402
Sonmezer, M.	P-259	Strom, D. E.	P-195
Soofi, A.	P-289	Stroumsa, D.	O-167
Soon, R.	O-12	Stuparich, M. A.	P-267
Soorve, S.	P-814	Su, H. I.	O-50, O-54, P-837
Soriano, M. J.	P-358	Su, H. I.	O-159
Soufan, A.	O-247	Su, J. S.	P-09
Souter, I.	O-37, O-70, P-54, P-85, P-86, P-121, P-860	Su, W.	P-19, P-812
Souza, R. X.	O-42	Suarthana, E.	O-6
Spandorfer, S.	O-137, O-230, P-200, P-243, P-332, P-333, P-341, P-510, P-920, P-924	Suh, C.	P-526
Spangler, M.	P-570	Suh, C.	P-301
Sparks, A. E.	O-31, P-494, P-536, P-763	Suh, C.	P-912
Spath, K.	O-172	Sukhwani, M.	O-245
Speedy, S.	O-198, P-821	Sukhwani, M.	P-714
Spencer, J. B.	O-136, P-213, P-411, P-926	Sukur, Y. E.	P-259
Spies, N. C.	P-468	Sullivan, C.	P-880
Spinella, F.	O-3	Sulpizio, P.	P-885
Spinosa, D.	P-283	Sultana, M.	P-616
Spinosa Chéles, D.	P-84	Summers, D.	P-240, P-421, P-428, P-519, P-662, P-701, P-711



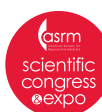
ABSTRACTS AUTHOR INDEX

Summers, G. K.	P-251	Tawa, A.	P-550
Summers, K. M.	O-31, P-536, P-763, P-838	Taylor, D.	O-104, P-139
Sun, F.	O-152, P-442	Taylor, H. S.	O-189, P-233, P-239, P-277
Sun, H.	P-87	Taylor, H. S.	O-160
Sun, S.	P-796	Teague, J.	P-616
Sun, Y.	P-87	Tejera, A.	P-21
Sun, Y.	V-01, V-09	Tekmal, R. R.	P-616
Sun, Y.	P-486	Teloken, C.	P-684
Sunara, I.	P-695	Ten Eyck, P.	P-763
Sundaram, V.	O-219, P-05, P-07	Terasawa, E.	P-720
Sundaesan, A.	P-610	Terras, K.	P-709
Sunderam, S.	P-41	Terrill, P.	P-482
Sung, J.	O-255	Terry, K. L.	O-158
Sung, L.	O-16, P-504	Terry, N.	P-477
Sunkara, S.	P-352	Tessari, G.	P-615
Surrey, M. W.	O-106	Testa, G.	P-383, P-894, P-896, P-898
Surrey, M.	P-147, P-484	Thakker, S.	O-68, O-202
Surrey, R. L.	O-118	Thakore, S.	P-176, P-539
Swain, J. E.	O-186, P-20, P-23, P-28, P-29, P-74, P-80, P-386, P-537, P-788, V-09	Thakur, M.	P-823
Swain, N.	P-670	Theodoratos, S.	P-82
Swaminathan, K.	P-774	Thirumalaraju, P.	P-91, P-54, P-85, P-86
Swanson, K.	O-251	Thirumavalavan, N.	P-655
Swartz, T. L.	P-251	Thoma, M. E.	O-61, P-279, P-337
Taguchi, S.	P-25	Thomas, A. M.	P-201, P-521
Taha, H.	P-206	Thomas, E.	P-572
Taha, M. G.	P-745	Thomas, J. L.	O-240, P-11
Takeda, S.	O-182, P-76, P-89	Thomas, M. A.	O-26, O-30, P-160, P-176
Takeda, S.	O-182, P-76, P-89	Thomas, M. R.	P-58
Takeshige, Y.	P-856	Thorne, J.	P-916
Takeshima, T.	P-368, P-372	Thornton, K. L.	O-123, P-475
Takeshima, T.	P-226	Thunga, C.	P-439
Takeyama, R.	P-230	Thurman, A. R.	P-459
Takhar, H. S.	O-29	Tian, L.	P-552
Tal, O.	O-2, O-259	Tian, L.	P-157
Tal, R.	O-2, O-259	Tian, M.	P-95
Tal, R.	O-2, O-259	Ticconi, C.	O-132
Talavera, J. R.	P-203	Tiegs, A. W.	P-562
Tallon, N.	P-470	Tiegs, A. W.	O-5, O-73, O-77, P-256, P-463, P-518, P-659, P-744, P-791
Tamashiro, L. K.	O-42	Tiegs, A. W.	P-465, P-609, P-769
Tan, J.	P-505, P-523, P-816	Tiitinen, A. E.	O-49
Tan, J.	P-775	Tilley, B.	P-58
Tan, T.	O-75, O-201	Timmons, D.	P-472, P-702, P-809
Tanaka, S. E.	P-241	Ting, A.	O-177
Tanen, A.	P-887	Tipping, A. D.	O-32, P-01
Tang, Y.	P-654, P-708	Tippner-Hedges, R.	P-102
Tanner, J.	O-135, P-434, P-853	Tipton, K. J.	P-269
Tanrikut, C.	P-628	Tiras, B.	P-123, P-864
Tantari, M.	P-119, P-246	Titus, S.	P-256, P-463, P-562, P-608, P-609, P-723
Tao, X.	O-5, O-73, O-77, P-90, P-465, P-594, P-756, P-769, P-779, P-805	Tiwari, D.	P-73
Taskin, O.	P-775	Tkachenko, O. Y.	O-79
Tate, M.	P-222	Tober, D.	P-405, P-419, P-426, P-427, P-873
Tavares, D. R.	O-69, P-625, P-633, P-663, P-689, P-781	Todd, N. J.	P-910
		Todorova, M.	P-506



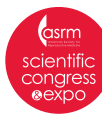
ABSTRACTS AUTHOR INDEX

Tokmak, A.	P-398	Urian, W.	P-927
Tolani, A. T.	P-210, P-211	Ursillo, L.	P-901
Tolba, S. M.	O-207	Usui, K.	P-368
Tomasino, J.	P-403	Uyanikoglu, H.	P-905
Tomassetti, C.	O-191	Vagios, S.	P-54, P-85, P-86, P-121, P-860
Tomioka, R.	P-33, P-835	Vaintraub, M.	P-31
Tongel, L. K.	P-546, P-843	Vaithianathan, H.	P-892
Tormasi, S.	P-757	Vala, A.	O-229
Torner, J. C.	P-337	Valbuena, D.	P-620
Torrealday, S.	P-104, P-743	Valbuena, F.	O-126
Torres, R.	P-623	Valencia, R.	P-77, P-88
Torres Monserrat, V.	P-35, P-72	Valera, M.	P-12, P-79, P-83, P-84
Tosa, T.	P-856	Valls, L.	P-531, P-668, P-687, P-694
Toth, T. L.	O-11, O-212, P-106, P-298, P-378, P-381, P-382, P-392, P-520	Van den Haute, L.	P-532
Tournaye, H.	O-114, P-532	Van Der Geest, H.	P-386, P-537
Toya, M.	P-856	van der Veen, F.	O-247
Tozour, J. N.	O-16, P-504	Van Dyken, C.	P-102, P-627, P-803
Tradewell, M. B.	O-58, P-707	Van Heertum, K.	O-171
Tran, K.	O-94	Van Voorhis, B. J.	O-31, O-61, P-279, P-337, P-494, P-536, P-763, V-07
Tranquillo, M.	P-189	van Wely, M.	O-247
Trawick, E. C.	P-195	Vanamail, P.	O-256
Triki, O.	O-258	VanBuren, W. M.	P-237
Trindade, V. D.	P-101	VanHise, K.	P-719, P-727
Trout, A.	O-175, O-241, P-568, P-587	vanTol, R.	P-46
Truong, T.	P-283, P-377, P-409, P-447	Varela, E.	P-358
Trussell, J. C.	O-152	Varela, E.	P-280
Tsai, E.	P-262, P-268	Vasconcelos, N. F.	P-348
Tsai, H.	P-607	Vash-Margita, A.	O-160
Tsai, S.	O-10, P-409	Vasileva, M.	P-506, P-849
Tsui, K.	P-291, P-596, P-611, P-617, P-785	Vasilopoulos, Y.	O-172
Tsuji, H.	P-38	Vassena, R.	P-876
Tsuji, I.	O-130, P-191	Vaughan, D. A.	O-11, P-378, P-382, P-392, P-452, P-520
Tsujimoto, Y.	P-25	Vaughan, D. A.	P-381
Tsuzuki, Y.	O-182, P-76, P-89	Vaughan, D. A.	P-772
Tucci, R.	P-619, P-792	Vaughan, D. A.	O-212
Tuers, E.	P-778	Velez, D.	P-643
Tufekci, M.	P-324	Velez Edwards, D. R.	O-99
Tulandi, T.	P-903	Vellone, V. G.	P-242, P-252
Tulberg, A.	O-100	Venetis, C.	P-140
Turocy, J. M.	O-150	Venier, W.	P-620
Ubaldi, F. M.	P-755	Ventura, V. B.	P-373
Uemura, H.	P-368	Venturas, M.	P-618
Uemura, K.	P-640	Venturas, M.	O-81, O-185, P-44, P-574
Uemura, M.	P-25	Venturella, R.	O-205, O-206, P-308
Uhler, M. L.	P-224	Venturella, R.	O-1
Uhlrich, D. J.	P-720	Veras, M. M.	O-42
Ulin, M.	O-178, O-243, P-731	Vergara, C. A.	P-146
Ulrich, N. D.	P-395, P-543, P-605	Vergara, V.	P-857
Uncu, G.	P-253, P-738, P-740, P-874	Verheyen, G.	P-532
Unsal, E.	P-624, P-806, P-815	Verma, K.	P-334, P-339, P-361, P-364, P-752, P-883, P-888, P-890, P-891
Uphoff, A.	P-904	VerMilyea, M. D.	P-92, P-100, P-456
Urcia, E.	O-201	Verrilli, L. E.	O-36, O-138, O-139, V-08
Urian, W.	O-102		



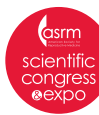
ABSTRACTS AUTHOR INDEX

Verza Jr., S.	P-15, P-24	Wang, J.	P-563
Vest, A. N.	O-53, P-328	Wang, M.	P-746
Victor, A.	P-774	Wang, R.	P-127
Victor, A.	O-3, P-773	Wang, R.	P-140
Vidal, C.	P-863	Wang, S.	P-153
Vidal, C.	O-18, P-542	Wang, S.	O-19
Vidolova, N.	P-235, P-318, P-583, P-849	Wang, T. R.	P-700
Vij, S. C.	O-229, P-08, P-09, P-657	Wang, T.	P-265
Vilella, F.	O-82, O-197	Wang, T.	P-552
Villanueva, P.	P-802	Wang, W.	O-197, P-311
Villaruel, C.	O-1, O-205	Wang, X.	P-87
Villegas, N.	P-405, P-419, P-426, P-427, P-873	Wang, Y.	P-573
Viloria, T.	P-12, P-81, P-99	Wang, Y.	O-194
Vincens, C.	P-480, P-559	Ward, K.	O-193
Vintejeux, E.	P-480, P-559	Warner, L.	P-41, P-642
Vintzileos, W.	P-901	Warsi, Q.	O-187
Violette, C.	P-213, P-855	Wassman, E. R.	O-193
Viotti, M.	O-3, P-773, P-774	Watanabe, H.	O-182, P-76, P-89
Vireque, A. A.	P-43, P-186, P-187	Weaver, A.	O-235
Vitale, S.	O-208	Weaver, A.	O-147, P-900
Vitonis, A. F.	O-158	Weber, J. M.	P-283, P-409
Vivar, C. A.	P-146	Webster, S. J.	V-05
Vivas, M. V.	P-373	Weckstein, L. N.	P-454
Vlahos, A.	P-500	Weedin, E. A.	O-98
Vlahos, N.	O-172	Weghofer, A.	P-136
Voigt, P. E.	O-68, O-202, P-499	Wei, J. T.	P-693
Volk, R.	O-64	Wei, L.	P-530, P-601
Volodarsky-Perel, A.	P-717	Weidenbaum, E. M.	P-303
Volovsky, M.	P-527	Weil, J.	O-45
von Stockum, S.	O-27, O-190	Weinerman, R. S.	O-171, P-50, P-56, P-69, P-413, P-541
Vu, M.	P-170	Weintraub, M. L.	P-729
Vukina, J.	P-878	Weirong, S.	P-718, P-847
Wachs, D.	P-454	Welch, C.	P-757
Wagman, R. B.	O-1, O-187, O-205, P-308	Wells, A. E.	P-585
Wakimoto, Y.	P-230	Wells, D.	O-81, O-172, P-44, P-572, P-618
Wald, G.	O-59, O-141, P-346, P-672, P-678, P-680, P-682	Wells, D.	P-17
Waldman, I.	P-201	Wells, L.	P-477
Waldo, A.	O-7, O-126, O-213, P-543, P-851	Welt, C. K.	O-36
Walker, J.	P-82	Weltz, C.	P-359
Walker, K. A.	P-104	Wemmer, N.	P-321, P-758
Walker, K. A.	P-535	Wempe, M. F.	O-20
Walker, Z.	P-167, P-336, P-518	Wennerholm, U.	O-49
Wallace, B.	O-158	Werner, M. D.	P-744
Walsh, M.	P-02	Wertheimer, S.	P-719, P-727
Walter, J. R.	P-331, P-497	Wesevich, V. G.	P-446, P-449
Walters-Sen, L.	O-74, O-78	West, R. C.	P-511, P-603, P-820
Wang, A.	O-238	Whitcomb, B. W.	O-50, O-54, P-837
Wang, D. W.	P-782	White, J. T.	P-632
Wang, D.	P-592	White, M.	P-901
Wang, E. T.	P-719, P-727	Whitehead, C. V.	O-73, O-77, P-769
Wang, F.	P-653	Whynott, R. M.	O-31
Wang, J.	P-777	Widra, E. A.	P-104
Wang, J.	P-762, P-801, P-810	Wijekoon, A.	O-199
Wang, J.	O-69, P-689, P-781	Wilcox, J.	O-75, O-201



ABSTRACTS AUTHOR INDEX

Wilk, K.	O-187	Xu, H.	P-831
Will, M.	P-46	Xu, H.	P-736
Willging, M. M.	P-720	Xu, J.	P-926
Williams, E.	O-104, P-139	Xu, J.	O-79
Williams, K. J.	O-246	Xu, M.	P-543, P-599, P-786
Williams, P. L.	O-37	Xun, H.	O-86
Williams, Z.	O-150, P-177	Yaghi, A. M.	P-216
Willson, B. E.	O-118	Yamakami, L.	P-33, P-626, P-835
Willson, S.	O-250, P-152, P-343	Yamamoto, M.	P-230
Wilson, C. K.	P-421, P-428, P-519, P-662, P-701, P-711	Yamashita, Y.	P-25
Wilson, E.	P-179	Yan, J.	P-796
Wilson, M.	P-778	Yan, M.	P-746
Wilson, T. S.	P-732	Yanaiharu, A.	P-36
Wiltshire, A. M.	O-179, P-167	Yang, C.	P-796
Wiltshire, A.	P-336	Yang, C.	P-451
Wingert, F. M.	P-101	Yang, E.	O-159
Wingfield, M.	P-02	Yang, J.	O-95, P-872
Winger, J. D.	P-612, P-614	Yang, K.	P-599, P-605
Winger, M.	P-473	Yang, K.	P-196
Winslow, A. D.	O-92	Yang, M.	O-34, P-582
Wirka, K. A.	O-186	Yang, Q.	P-564
Wise, L. A.	P-700	Yang, Q.	O-210, P-309, P-314, P-316
Witt, B.	P-73	Yang, R.	P-827
Wittenburg, L.	O-20	Yang, S.	P-796
Wolf, S. N.	O-79	Yang, X.	P-300, P-379, P-530, P-558, P-601, P-629, P-631, P-683, P-690, P-692, P-735, P-830
Wolfe, E. L.	P-520	Yang, X.	O-81, P-44
Wolfe, L. G.	P-612, P-614	Yang, Y.	O-8
Wollschlaeger, K.	P-880	Yang, Z.	P-739
Won, J.	P-400, P-401	Yao, L.	P-23
Woo, I.	P-759	Yao, S.	O-25
Woodard, T. L.	O-64, P-367, P-369	Yao, S.	P-158
Woodfield, K.	O-138	Yariwake, V. Y.	O-42
Woodward, J. T.	P-407	Yarnall, S.	O-66
Wren, J.	O-55, O-56	Yasuyama, N.	P-774
Wright, D.	P-456	Yau, K.	P-544
Wright, J. D.	O-226	Yee, S.	P-288
Wu, D.	O-102, P-423, P-848, P-927	Yeh, J.	P-06
Wu, J.	P-409	Yelke, H. K.	O-89, P-324
Wu, L.	P-770	Yeshua, A.	P-354
Wu, M.	P-607	Yesil, M.	P-326
Wu, S.	P-272	Yi, H.	P-196
Wu, W.	P-782	Yildirim Kopuk, S.	P-864
Wu, Y.	P-735, P-830	Yildirim Kopuk, S.	P-123
Wun, W. A.	P-111, P-529	Yildiz, U. G.	P-852
Xia, W.	P-500	Yilmaz, B. D.	P-222
Xiang, W.	P-774	Yilmaz, N.	P-398
Xiao, A. X.	P-661	Yin, B.	P-771
Xie, F.	O-29	Yin, P.	P-567
Xie, K.	P-630	Yin, X.	P-155
Xie, L.	P-592	Yoder, N. D.	P-305, P-728
Xie, P.	O-69, O-175, O-184, O-241, O-242, P-110, P-481, P-563, P-568, P-587, P-625, P-633, P-663, P-705, P-819	Yong, P.	P-197
Xiong, S.	P-777	Yong, P. J.	O-111
		Yoon, C.	O-176



ABSTRACTS AUTHOR INDEX

Yoon, R.	V-06	Zhang, X.	O-95
Yoon, S.	P-196	Zhang, X.	P-505
Yoon, S.	P-196	Zhang, X.	P-669
Yoon, T.	P-548	Zhang, X.	P-654, P-708
Yoon, T.	P-271	Zhang, Y.	P-41
Yoon, T.	P-273	Zhang, Y.	P-759
York, J.	P-383, P-894	Zhang, Z.	V-01, V-09
Yoshimura, T.	P-26	Zhao, Q.	P-654, P-708
Young, S. L.	P-236, P-344	Zhao, Q.	O-244, P-569
Youngblom, J.	O-45	Zhao, T.	P-90
Younis, A.	P-269	Zhao, T.	P-756
Youssef, A.	P-508	Zhao, Y.	O-147, O-235, P-370, P-412, P-508, P-900
Yu, E.	P-271, P-548	Zheng, B.	P-831
Yu, L.	P-845	Zheng, B.	P-736
Yu, O.	O-131	Zheng, H.	P-669
Yu, Q.	P-87	Zheng, W.	P-796
Yu, X.	P-903	Zheng, X.	O-245, P-714
Yu, X.	O-98	Zheng, X.	P-903
Yuan, Y.	P-169, P-511, P-566, P-597, P-603, P-820	Zhioua, F.	P-126, P-296
Yuceturk, A.	P-123, P-864	Zhioua, F.	P-677, P-709
Yuksel, B.	P-326, P-474	Zhou, B.	O-50
Yumura, Y.	P-226, P-368, P-372	Zhou, B.	O-54
Zaghi, B. Y.	P-540	Zhou, C.	P-455
Zaila, K. E.	P-886	Zhou, X. P.	O-146, P-721
Zalles, L. X.	P-421, P-428, P-519	Zhou, X.	O-29
Zaman, A. Y.	P-254, P-350, P-745	Zhou, Y.	P-528
Zandvliet, A. S.	P-598	Zhou, Y.	P-49, P-68
Zangi, L.	P-297	Zhou, Y.	P-592
Zaninovic, N.	O-183, P-295	Zhou, Y.	P-654, P-708
Zanré, N.	P-478	Zhou, Y.	P-669
Zappacosta Villarroel, M. P.	P-70	Zhu, A.	O-60, O-144, P-184
Zdunich, D.	O-193	Zhu, L.	O-174
Zeffiro, C.	P-135	Zhu, S.	P-831
Zemni, Z.	P-126, P-296	Zimmerman, S.	O-97, P-612, P-614, P-929
Zeng, Q.	P-782	Zong, K.	P-716
Zeng, W.	O-178	Zottola, C. A.	P-166
Zervomanolakis, I.	O-172	Zou, S.	P-153
Zhai, J.	P-234, P-834	Zouves, C.	O-3, P-773, P-774
Zhan, Q.	O-183	Zozula, S.	P-135, P-190
Zhan, Y.	O-73, O-77, O-173, P-465, P-594, P-756, P-769, P-779, P-805	Zu, R.	P-796
Zhang, C.	P-771	Zubizarreta, D.	P-405, P-419, P-426, P-427, P-873
Zhang, H.	O-152, P-442	Zubrzycki, J.	P-766
Zhang, J.	P-319, P-807	Zuffa, S.	P-66, P-189
Zhang, J. X.	P-808	Zukin, V.	P-37, P-789
Zhang, J.	P-148, P-172, P-490, P-554		
Zhang, J. J.	O-91, P-175, P-783, P-784, P-813		
Zhang, J.	P-338, P-923		
Zhang, L.	P-383, P-896		
Zhang, L.	P-450, P-582		
Zhang, S.	P-56		
Zhang, S.	P-816		
Zhang, W. Y.	P-441, P-483, P-485		
Zhang, X.	P-87		

ABSTRACT AUTHORS DISCLOSURES INDEX

AUTHOR AND SPOUSE/PARTNER DISCLOSURES INDEX: ORAL AND POSTER SESSIONS

All oral and poster presenters at the 2020 ASRM Scientific Congress were required to complete a disclosure form. Each abstract or video author is listed below along with any relationships their partners/spouses disclosed.

¹Company Officer ²Direct Stockholder ³Full-Time Company Employee ⁴Grant Recipient ⁵Honoraria
⁶Paid Consultant ⁷Speaker's Bureau ⁸Other ^aPartner/Spouse ^bBoth

Abdul Aziz, S. U.	EngagedMD ³	As-Sanie, S.	Abbvie ⁶ ; Bayer ⁶ ; Merck ⁶ ; Myovant ⁶
Abdulla, H. A.	Overture Life ⁶	Asiimwe, A.	Bayer AG ³
Abrao, M. S.	AbbVie ⁶ ; Erbe ⁷ ; Myovant ⁶	Awonuga, A. O.	AbbVie ⁴
Adsit, J.	Natera ^{2,3}	Bagger, Y.	Ferring Pharmaceuticals ³
Aguilar, S.	Invitae ^{2,3}	Bahri, O.	Aziza Othmana Hospital ⁸ (<i>Faculty of Tunis el Manar - Tunisia</i>)
Aktuna, S.	Mikrogen Genetic Diagnosis Center ³	Baillargeon, J.	Ferring Inc. Canada ⁴
Al-Hendy, A.	abbvie ⁶ ; OBSEVA ⁶ ; abb-vie ⁶ ; Bayer ⁶ ; Myovant ⁶	Baker, V. L.	Ferring ⁶ ; IBSA ⁶
Alabaster, A.	Bayer ⁸ (<i>Funding for research</i>)	Ball, G. D.	Serono EMD ⁶
Albertini, D. F.	Bedford research foundation ⁶ ; Center for human reproduction ⁶ ; Springer/Nature publishing ⁵	Baltaci, V.	Mikrogen genetic diagnosis center ¹
Alcalde, K. M.	IECH ^{1,3}	Barad, D. H.	Fertility Nutraceuticals, LLC ⁸ (<i>Patent Royalties</i>); The Merck Manuals ⁵
Alexandrova, S.	Darwin Life INC ³	Barnett, C.	Bayer AG ⁸ (<i>independent contractor</i>); Myovant ⁸ (<i>independent contractor</i>)
Alonso, R.	Igenomix ³	Bauerfeind, A.	Bayer AG ⁸ (<i>independent contractor</i>); Myovant ⁸ (<i>independent contractor</i>)
Alonzo, P.	GEDEON RICHTER ³	Bayer, L. L.	Merck & Co., Inc. ⁵
Alouf, C. A.	Invitae ^{2,8} (<i>part time employee</i>)	Beall, S.	EMD Serono ⁶ ; Shady Grove Fertility ²
Alur-Gupta, S.	Bayer ⁶	Becker, C. M.	Myovant ⁶
Amadoz, A.	Igenomix SL ³	Bedaiwy, M. A.	Abbvie Inc ⁶ ; Allergan Inc ^{4,6}
Anderson, A. R.	ART Compass ² ; EmbryoDirector.com ^{1,2} ; Engaged MD ²	Ben-Shachar, R.	Myriad Genetics ^{2,3}
Anderson, J.	FertilityIQ ¹	Bendikson, K.	theralogix ⁶
Anderson, R. E.	Ovation Fertility ²	Bendikson, K. A.	theralogix ⁸ (<i>medical advisory board</i>)
Ando, M.	Ferring Pharmaceuticals ³	Benites, E. O.	NIUVIDA ^{1,2}
Angle, M.	DxNow ⁶ ; Previvo Genetics ⁶	Berenson, A. B.	Agile Therapeutics ²
Anspach Will, E.	Fertility Pharmacy of America ²	Berga, S. L.	Ava ⁶ ; ClearBlue ⁶ ; Ferring ⁶ ; Lupin ⁶
Antonelli, C.	Generate Life Sciences ³	Bergh, P. A.	IVIRMA ² ; Medsoftware ² ; RMANJ ²
Antunez Flores, O.	Abbvie Inc. ³	Berkeley, A. S.	Abbott Labs ² ; Abbiw ² ; Becton Dickinson ² ; Glaxo ² ; Inception Fertility LLC ^{2,3} ; Merck ² ; Pfizer ²
Aparicio-Ruiz, B.	merck ⁸ (<i>speakers fees from merck</i>)	Berkowitz, K.	Actelion ⁶ ; Bayer ⁶ ; Biogen ⁶ ; Celgene ⁶ ; EMD Serono ⁶ ; Genentech/Roche ⁶ ; Genzyme/Sanofi ⁶ ; Novartis ⁶ ; Teva ⁶
Aradhya, S.	Invitae ³	Berntsen, J.	Vitrolife A/S ³ ; Vitrolife AB ²
Arav, A.	Fertilesafe Ltd. ^{2,3}	Bessooff, K.	Vastbiome ^{1,2,8} (<i>Co-founder</i>)
Arce, J.	Ferring Pharmaceuticals ³	Bhakta, S. A.	Aspire Fertility ³
Aristizabal, P.	National Cancer Institute ⁴		
Arjona Ferreira, J.	Myovant Sciences Inc. ^{1,2,3}		
Arjunan, A.	Myriad Women's Health ^{2,3}		
Armstrong, M. A.	Bayer AG ⁸ (<i>Salary support from funding received from Bayer AG to conduct this research. </i>)		

ABSTRACT AUTHORS DISCLOSURES INDEX

Bhattacharya, S.	Oxford University Press ^{5,8} (<i>Editor-in-Chief Human Reproduction Open</i>)	Cedars, M. I.	Ferring ⁴
Bian, B.	EMD Serono ¹	Cedrin-Durnerin, I.	Ferring ⁵ ; Gedeon Richter ⁵ ; Merck ⁵ ; MSD ⁵
Bilger, W.	Merck Serono GmbH ³	Chan, J. L.	BINTO ⁸ (<i>Scientific advisor</i>)
Boivin, J.	Ferring Pharmaceuticals A/S ⁶ ; Merck AB ⁵ ; Merck KGaA ⁶ ; Merck Serono Ltd ⁴ ; Theramex ⁵	Chang, L.	Bonraybio Co., Ltd. ³
Boostanfar, R.	Ferring ⁸ (<i>Research Stipend</i>)	Chavez-Badiola, A.	IVF 2.0 ²
Bopp, B.	fertility pharmacy of america ²	Chettier, R.	Juneau biosciences ³
Borahay, M. A.	Myovant Sciences ⁶	Chiu, V. Y.	Bayer AG ⁸ (<i>I am an employee of Kaiser Permanente Southern California, who received funding from Bayer AG for the conduct of this study.</i>)
Bormann, C. L.	FujiFilm ⁵ ; Vitrolife ⁵	Chiuve, S. E.	AbbVie ^{2,3}
Bosch, E.	Ferring ^{5,6,7} ; Gedeon Richter ^{5,6,7} ; IBSA ⁶ ; Merck ^{5,6,7}	Chou, C.	Natera ^{2,3}
Bowman, M.	Genea Ltd ^{1,2}	Choudhary, K.	Takara Bio ¹
Briggs, S.	Modern Fertility ³	Cimadomo, D.	Irvine Scientific ⁸ (<i>Paid lectures</i>); Merck ⁶
Bristow, S. L.	Invitae ^{2,3}	Cohen, J.	Althea Science ^{1,2} ; DAD ⁸ (<i>Scientific Advisory Board</i>); KindBody ⁸ (<i>Scientific Advisory Board</i>); Phosphorus ⁸ (<i>Scientific Advisory Board</i>); TMRW Life Sciences ⁸ (<i>scientific advisory board</i>)
Britten, J. L.	USUHS ⁸ (<i>government employee</i>)	Colver, R.	Fertility Pharmacy of America ²
Brown, S. E.	Brown Fertility ¹	Cool, R.	We Are Egg Donors ¹
Buck, K.	Roche Diagnostics GmbH ³	Cooper, A. R.	Celmatix ⁸ (<i>Advisory board</i>); Ferring ⁸ (<i>Advisory board, INVOcell training</i>)
Bühler, K. F.	Bayer ⁵ ; Ferring ⁵ ; Merck ⁵ ; Stiftung Endometrioseforschung ⁵ ; Takeda ⁵ ; Theramex ⁴	Copperman, A. B.	Progyny ¹ ; Sema ⁴ ¹
Burke, C. A.	Cryos International - USA ¹	Cortes, J.	Unilab of Dade, Inc. ¹
Buster, J. E.	Previvo ^{1,2}	Costa-Borges, N.	Embryotools SL ²
Bustillo, M.	Genetics & IVF Institute ²	Cozzolino, M.	Fundación IVI ⁸ (<i>Fellow</i>)
Butts, S.	Apple ⁶	Craig, L. B.	Ferring Pharmaceuticals ⁸ (<i>Site investigator</i>)
Buyuk, E.	EMD Serono ⁸ (<i>Provided expertise for a podcast</i>)	Creinin, M. D.	Danco ⁶ ; Estetra ⁶ ; HRA Pharma ⁴ ; Medicines360 ^{4,6} ; Merck & CO. ⁶ ; Sebela ⁴ ; TherapeuticsMD ⁶
Cabello-Pinedo, S.	Overture Life ³	Culwell, K. R.	Evoform Biosciences ^{1,2,3}
Calderón, G.	Embryotools ²	Daftary, G. S.	Ferring Pharmaceuticals ³
Caleshu, C.	GeneMatters ^{2,3,6}	Daignault-Newton, S.	Boston Scientific ⁶
Callum, P.	Generate Life Sciences ³ ; Tandem Genetics ⁸ (<i>Owner</i>)	Dakka, M. A.	Life Whisperer ³ ; Presagen ³
Campbell, A. L.	AbbVie ^{2,3}	Daneshmand, S.	NextGenGenetics ²
Carasa, P.	Overture Life ³	Darné, B. M.	Monitoring Force ⁸ (<i>CRO working for several pharmaceutical companies</i>)
Caroselli, S.	Igenomix Italy ³	Davies, J.	GeneMatters ^{1,2,3}
Carr, B. R.	Medicines360 ⁴	De Geyter, C.	University of Basel ⁸ (<i>Division Chief</i>)
Carson, S. A.	Agile ⁸ (<i>Board member</i>)	de Greef, R.	Certara ³
Cataldo, N. A.	AbbVie ⁷ ; INVO Bioscience, Inc. ⁶		
Catherino, A. B.	EMD Serono ³		
Catherino, W.	AbbVie ⁶ ; American Board of Obstetrics and Gynecology ⁵ ; American Society for Reproductive Medicine ⁵ ; Bayer ⁶ ; EMD Serono ³ ; Myovant ⁶ ; ObsEva ⁶		
Caughey, A. B.	Celmatix ⁸ (<i>Medical Advisor</i>); Mindchild ⁸ (<i>Medical Advisor</i>)		

ABSTRACT AUTHORS DISCLOSURES INDEX

De La Fuente, E.	Igenomix ³	Elemento, O.	Acuamark DX ⁸ (SAB member & Equity Holder); Eli Lilly ⁸ (Funding); Freenome ⁸ (SAB member & Equity Holder); Genetic Intelligence ⁸ (SAB member & Equity Holder); Janssen ⁸ (Funding); One Three Biotech ⁸ (Cofounder & Equity Holder); Owkin ⁸ (SAB member & Equity Holder); Volastra Therapeutics ⁸ (Cofounder & Equity Holder)
De Vos, M.	Ferring ⁷ ; Gedeon Richter ⁷ ; MSD ^{4,7}	Eleswarapu, S.	Metuchen Pharmaceuticals ⁶ ; Metuchen ⁶
de Ziegler, D.	Institute of Life ⁷	Endo, Y.	Kurashiki Medical Center ³
Debnath, S.	Oasis Fertility ³	Eng, C.	Covariance, LLC ⁸ (Co-founder and CMO (pro bono)); Family Care Path, Inc. ⁸ (Co-founder and CMO (pro bono))
Denis, D.	EMD Serono ³	Erickson Hagen, A. S.	ReproTech, Ltd. ³
Diakiw, S. M.	Life Whisperer ³ ; Presagen ³	Escribano, G.	Igenomix ³
Diamond, M. P.	AbbVie ⁴ ; Advanced Reproductive Care ^{2,8} (Board of Directors); Aegea, Seikagaku ⁶	Esplin, E.	Invitae ^{2,3}
DiNonno, W.	Natera, Inc. ^{2,3}	Estes, S. J.	Abbvie ^{6,7,8} (research support); Ferring ⁸ (Research support); Obseva ⁸ (research support)
Discenza, M.	CooperSurgical ³	Esteves, S. C.	Merck ^{4,5,7}
Dokras, A.	Ablacare ⁶ ; Guidepoint ⁶	Fabiani, M.	Igenomix Italy ³
Domar, A. D.	Abbott ⁵ ; Aliz Health Apps ¹ ; EMD Serono ⁵ ; Ferring ^{4,6} ; FertiCalm LLC ¹ ; FertiStrong LLC ¹ ; Merck ⁷ ; Nestle ⁶	Falla, E.	Merck kGaA ⁶
Donat, H.	Gedeon Richter/Preglem SA ³	Farland, L. V.	Smith & Nephew ²
Donnez, J.	Gedeon Richter ^{4,5,6} ; Obseva ^{5,6}	Farmer, A.	Takara Bio, Inc. ³
Doody, K. J.	Ferring Pharmaceuticals ^{6,7} ; INVO Bioscience ^{1,2}	Fassett, M. J.	Bayer AG ⁸ (I am an employee of Kaiser Permanente Southern California, who received funding from Bayer AG for the conduct of this study.)
Doody, K. M.	Ferring ⁷ ; INVO Bioscience ²	Faulkner, N.	Invitae ³
Dopazo, H.	Biocodices ²	Ferrando, C. A.	UpToDate, Inc ⁸ (royalties)
Douglas, N. C.	Modern Fertility ⁶	Fischer, R.	MERCK GERMANY ⁵
Drakeley, A. J.	IVF 2.0 ^{1,2}	Flannigan, R.	Boston Scientific ⁸ (Education Travel Grant); Paladin Labs ⁵
Du, Y.	Tianjin Central Hospital of Gynecology Obstetrics ³	Flores, V. A.	Abbvie ⁸ (Speaking Honorarium, Advisory Board); Ferring ⁸ (Advisory Board)
Duarte, C. M.	NIUVIDA ^{1,2}	Flynn, K. E.	Biogen Inc. ² ; Cerner ² ; GE ² ; Gilead Sciences ² ; Incyte ⁴ ; Jazz Pharmaceuticals ⁴
Duijkers, I.	various pharmaceutical companies ⁸ (I am director of dinox consultancy and consultant for dinox GmbH, CROs that received funding from various pharmaceutical companies for consultancy services and for the conduct of clinical studies, respectively.)	Fontanilla, T.	Merck Sharp & Dohme ⁴
Duke, C.	Abbvie ⁷ ; ProovTest by MFB ^{2,7,8} (Medical Advisor)	Forman, E. J.	Ferring Pharmaceuticals ⁷
Duke, C. M.	Abbvie ⁷ ; Ferring ⁵ ; Proov Test my MFB ⁸ (Medical Advisor)	Foster, E. D.	Ferring Pharmaceuticals ³
Dupree, J. M.	Lipocine ² ; Blue Cross Blue Shield of Michigan ⁴	Fraison, E.	Gedeon richter ⁶
D'Hooghe, T. M.	Merck KGaA, Darmstadt, Germany ³	Frenz, A.	Bayer AG ³
Eaton, J. L.	Hologic, Inc. ⁶		
Eilbeck, K.	Fabric Genomics ⁶ ; IDbyDNA ¹		
Eisenberg, M. L.	Dadi ² ; Gilead ⁶ ; Hannah ² ; Roman ² ; Sandstone Diagnostics ² ; Underdog ²		
Elci, O. U.	Ferring Pharmaceuticals ³		

ABSTRACT AUTHORS DISCLOSURES INDEX

Fritz, R.	Cradle Genomics ⁸ (<i>Medical Advisory Board</i>)	Hansen, K. R.	Ferring ⁴ ; NICHD/NIH ⁴
Fuchs, E. L.	National Institutes of Health ⁴	Hariton, E.	Evernow ⁶ ; Modern Fertility ^{3,6} ; Orchid Biosciences ⁶
Fujii, Y.	Kurashiki Medical Center ³	Hart, R. E.	Shady Grove Fertility ³
Gada, R.	ReUnite Rx ¹	Hasija, A.	Clearblue/SPD Development Company ⁸ (<i>Medical Advisory Board</i>)
Garbarini, J. L.	CooperSurgical ³	Haverfield, E.	Invitae ^{2,3} ; Takeda ^{2,3}
García-Pascual, C. M.	Igenomix ³	Havrilesky, L. J.	Astra Zeneca ⁴ ; Bioventus ¹ ; Tesaro ⁴
Garner, E.	ObsEva ^{1,2,3}	Hayashi, M.	Kurashiki Medical Center ³
Getahun, D.	Bayer AG ⁴	Hayward, B.	EMD Serono, Inc. ³
Ginsburg, E. S.	Biomed Central ⁵ ; Sanders and Parks ⁶ ; Teledoc ⁶ ; UptoDate ⁵	Hazelrigg, W. B.	ReproTech, Ltd ^{1,2,3}
Girardi, L.	IGENOMIX ITALY ³	Heiser, P. W.	Ferring Pharmaceuticals, Inc. ³
Giraudet, G.	Gedeon Richter ⁵	Heitner, S. B.	Cytokinetics ³ ; MyoKardia ^{5,6}
Giudice, L. C.	Celmatix ⁶ ; ForEndo Pharmaceuticals ⁶ ; Merck ² ; Myovant Biosciences ⁶ ; NextGen Jane ⁶ ; Pfizer ²	Henderson, N.	Merck ^{3,6}
Gleicher, N.	Fertility Nutraceuticals, LLC ^{2,8} (<i>Receives patent loyalty</i>); OvaNova, LLC ^{2,8} (<i>Co-owner</i>); US patents ⁸ (<i>Listed as co-inventors on a number of US patents</i>); Various pharma and medical device companies ^{4,5,8} (<i>Received research support, travel funding and lecture fees</i>)	Hershlag, A.	Modern Fertility ⁸ (<i>Chief Medical Officer</i>)
Goheen, B. B.	Colorado Center for Reproductive Medicine ³	Hill, M. J.	Ohana Biosciences ⁸ (<i>Research Advisor</i>)
Goldberg, J.	Myriad Women's Health ³	Hodes-Wertz, B.	Prelude NYU Fertility Center ²
Grazi, R.	ARTSystems, LLC ^{1,2}	Hodge, T.	ohsu ³
Green, I. C.	Intuitive Surgical ⁴	Hong, K.	Short Hills Surgery Center ⁸ (<i>shareholder in ambulatory surgical center</i>); Summit Medical Group ⁸ (<i>shareholder in practice</i>)
Griesinger, G.	Abbott ^{5,6} ; Ferring ^{5,6} ; Finox ^{5,6} ; Gedeon-Richter ^{5,6} ; Glycotope ⁶ ; Guerbet ⁶ ; Merck Serono ^{5,6} ; MSD ^{5,6} ; ObsEva ⁵ ; ReprodWissen LLC ^{5,6} ; Theramex ⁶	Honig, S.	clarus ^{6,7} ; Coloplast ⁶ ; Endo Pharmaceuticals ^{6,7} ; omgyes.com ⁶
Grifo, J. A.	Inception Fertility ² ; Inception/Prelude Fertility ^{2,3}	Hood, K.	Darwin Life INC ³
Groll, J. M.	Fertility Pharmacy of America ² ; Galen Pharma ⁶ ; Progenity ⁷	Horne, A.	AbbVie ⁵ ; Roche Diagnostics ⁵
Gross, K. X.	Vispera Health ¹	Hornstein, M. D.	AbbVie ⁸ (<i>Unpaid consultant</i>); Aetion ⁶ ; Up to Date ⁵ ; WINFertility ⁶
Grover, S. A.	Ferring Pharmaceuticals, Inc ³	Hotaling, J.	AbbVie, Novartis, Pfizer, Sanofi/genzyme regeneron ^{6,7} ; Andro360 ² ; Boston Scientific ⁴ ; ENDO pharmaceuticals ⁴ ; inherent biosciences ² ; Nanonc ² ; Quara ² ; StreamDx ² ; turtle health ⁶
Gupta, A.	Origyn Fertility & ivf center ³	Howard, B.	Evoform Biosciences, Inc. ³
Hade, J. J.	Arizona Center For Fertility Studies ³	Howard, K. L.	Natera, Inc. ^{2,3}
Hall, J. M.	Life Whisperer ^{1,2,3} ; Presagen ^{1,2,3}	Howell, D.	Cryos International USA ³
Hamada, H.	Yokohama City University Medical Center ³	Hsu, C.	Bonraybio Co. Ltd ³
Hamamah, S.	Gedeon Richter ⁴	Hsu, G. C.	Bonraybio Co., Ltd. ³
Hammond, K. R.	AbbVie ⁷ ; INVO Bioscience ⁶	Huber, W. J.	Ferring ⁵ ; Flo ⁶
		Huberlant, S.	Womed ²
		Humberstone, A.	ObsEva SA ^{2,3}
		Hund, M.	F. Hoffmann-La Roche ^{2,3}
		Hunsche, E.	Myovant Sciences GmbH ^{2,3}

ABSTRACT AUTHORS DISCLOSURES INDEX

Hurley, E. G.	Innoviva ² ; Theravance Biopharma ²	Klipping, C.	various pharmaceutical companies ⁸ (I am director of dinox GmbH and dinox consultancy BV, CROs that received funding from various pharmaceutical companies for consultancy services and for the conduct of clinical studies, respectively.)
Im, T. M.	Bayer AG ⁸ (I am an employee of Kaiser Permanente Southern California, who received funding from Bayer AG for the conduct of this study.)		
Ishihara, O.	Ferring Pharma ^{5,6} ; Merck ^{5,6}		
Isley, L.	Generate Life Sciences ³	Kolb, B.	Progyny ^{6,8} (Progyny)
Jacobs, M. H.	Fertility and IVF Center of Miami ^{2,3}	Koski, A.	Oregon Health and Science University ³ ; OHSU ³
Jain, T.	AllerGenis ⁵ ; DBV Technologies ⁵ ; Kaleo ⁵		Vitrolife A/S ³
Jaswa, E. G.	EMD Serono ⁴	Kragh, M. F.	Taylor and Francis ⁵
Jensen, J. T.	Abbvie, Bayer Healthcare, Daré, Estetra SPRL, Medicines360, Merck, and Sebela ⁸ (OHSU receives research support through these entities in my name); Abbvie, Cooper Surgical, Bayer Healthcare, Merck, Sebela, and TherapeuticsMD ⁶	Krawetz, S. A.	OHSU ³
		Krieg, A. J.	Nilo Frantz Reproductive Medicine ³
		Kulmann, M.	Abbvie ⁶ ; UpToDate ⁵
		Kuohung, W.	Fairfax Cryobank ⁶
		Kurtz, J. E.	Abbvie ⁷ ; Ferring ⁸ (Clinical Research study); Natera ⁷
		Kutteh, W. H.	Ferring Pharmaceuticals ⁷ ; Gedeon Richter ⁶ ; IBSA ^{6,7} ; Merck ⁷ ; MSD Pharmaceuticals ^{6,7}
Jimenez-Almazán, J.	IGENOMIX ³	Labarta, E.	Takara bio USA ³
Jobanputra, V.	FEC ⁶		BORN Ontario ⁶
Johansen Taber, K.	Myriad Women's Health ³	Laliberte, J.	Monitoring Force ⁸ (CRO working for several pharmaceutical companies)
Johnson, K.	GeneMatters ^{2,3}	Lanes, A.	University of Michigan ⁸ (Inventor of Intellectual Property)
Johnson, N.	Guerbet ^{6,8} (Research funding); Myovant Sciences ^{6,8} (Research funding); Roche Diagnostics ⁶ ; Vifor Pharma ⁶	Languille, S.	Cooper Companies ²
			Ferring Pharmaceuticals ³
Kaiser, B. N.	Ionis Pharmaceuticals ^{2,3}	Lanham, M.	Vitrolife A/S ³
Kallen, A. N.	GLG Group ⁶	Large, M.	Roche Diagnostics GmbH ³
Kaneshiro, B.	Contramed Pharmaceuticals (Sebela Pharmaceuticals) ⁸ (contracted research)	Larsson, P.	Medtronic Ltd ⁴ ; Roche Diagnostics ⁴
		Lassen, J. T.	Invitae ^{2,3}
Kang, J.	Myovant ⁶	Laubender, R.	OssoVR ² ; Postcript.us ²
Kang, S. M.	Quanovate Tech Inc. ^{1,2,3}	Lawlor, D. A.	Myovant Sciences, Inc ^{2,3}
Kashanian, J. A.	Roman Health ⁸ (Consultant)	Leahey, J.	AbbVie ⁶ ; Bayer ⁶ ; Fractyl ⁶ ; Guerbet ⁴ ; Insupp ⁶
Keefe, D. L.	Cradle genomics ⁶ ; Illumina ⁶	Lee, M. S.	Genomic Predictions ⁸ (Investigator on RCT); Granata Bio ⁶ ; NextGen Genetics ²
Kelly, A.	Aetion ^{2,3}	Lee, T.	Duke University ⁸ (Professor Emerita)
Kendall Rauchfuss, L.	Texas Instruments ³	Legro, R. S.	CiceroDx ^{4,8} (SBIR R44, Licensed technology); Myovant LLC ⁸ (Advisory Board)
Kendrew, H.	Gedeon Richter/Preglem ⁸ (Funded travel and accommodation to attend Fertility 2020); Preglem/Gedeon Richter ⁵ ; Theramex ⁶		Igenomix ⁶ ; Natera ⁶
Khair, A. F.	Ferring Pharmaceuticals ³	Leondires, M.	
Kiehl, M.	Natera ^{2,3}	Leppert, P. C.	
Kijacic, D.	Natera ^{2,3}	Lessey, B. A.	
Kimble, T. D.	AbbVie ⁷ ; Antiva ⁴ ; Bayer ⁴ ; Exeltis ^{4,6,7} ; Inovio ⁴ ; Medicines360 ⁴ ; Merck ⁷ ; Sebela ⁴	Levy, B.	

ABSTRACT AUTHORS DISCLOSURES INDEX

Li, N.	Quanovate Tech Inc. ³	McCulloh, D. H.	Biogenetics Corporation ^{1,3,8} (Part Time Employee); Buffalo Infertility and IVF Associates ⁶ ; GranataBio ^{6,8} (Advisory Board Member); ReproART: Georgian American Center for Reproductive Medicine ^{1,3,6} ; Society for Assisted Reproductive Technology ^{1,8} (Chair of Registry Committee/ Recipient of Travel Funds); Sperm and Embryo Bank of New York ^{1,3,8} (Part Time Employee); American Association of BioAnalysts ⁵ ; Ferring Pharmaceutical Company ⁵ ; Southwest Embryology Summit ⁵
Licciardi, F. L.	Prelude ²		
Lindheim, S.	Crossbay ²		
Lispi, M.	Merck KGaA ³		
Liu, J. H.	AbbVie ⁸ (Clinical Trial paid to institution); Allergan ^{6,8} (Clinical Trial paid to institution); AMAG ⁶ ; Bayer ⁸ (Chair of Data Adjudication Committee); Dare ^{1,6} ; Femasys ⁸ (Clinical trial paid to institution); Ferring ⁶ ; Mitsubshi-Tanabe ⁶ ; Therapeutics MD ⁶		
Liu, X.	UCSF CRS ³		
Lo, J. C.	Gilead ⁴ ; IRhythm ⁴ ; Novartis ⁴	McKain, L.	Myovant Sciences ^{2,3}
Loeb, A.	Coloplast ⁶	Medrano, M.	IVIRMA ³
Longobardi, S.	Merck KGaA ³	Merrion, K.	Natera, Inc. ^{2,3}
López-Yañez, L.	ProcreaTec ³	Meseguer, M.	Merck ⁸ (Speaker Fee Honoraria); Vitrolife ⁸ (Speaker Fee Honoraria)
Loumaye, E.	OBSEVA SA ^{1,2,3}		Takara Bio USA ³
Lukes, A. S.	AbbVie ^{4,7,8} (Principal Investigator); Bayer ^{4,8} (Principal Investigator); Merck ^{4,8} (Principal Investigator); Myovant ^{4,6,8} (Principal Investigator); Obseva ^{4,8} (Principal Investigator); Scynexis ^{4,8} (Principal Investigator)	Meyers, J.	FERRING ⁶
		Milano, S. P.	Igenomix ⁸ (Scientific Board); MedTech For Solutions ¹
Luyten, J.	Merck ⁶	Miller, K. A.	Igenomix ³
Lyell, D. J.	Bloomlife ⁶ ; Zen Flow ²	Mir Pardo, P.	AbbVie ^{4,6,8} (Advisory Board member); Roche ⁵
Lynen, R.	Bayer Healthcare ^{2,3}	Missmer, S. A.	Invitae ^{2,3}
Lysenko-Brockman, A.	VCRM ³	Mitchell, A. D.	Kurashiki Medical Center ³
MA, J.	Ipsen ³	Mitsuhata, S.	AstraZeneca K.K. ⁵ ; CHUGAI PHARMACEUTICAL CO., LTD. ⁵ ; MSD K. K. ⁵
Ma, L.	Foundation for Embryonic Competence ³	Miyagi, E.	Guerbet ^{4,5,6} ; Merck ^{4,6}
Maalouf, W.	Vitrolife ⁶	Mol, B.	Evoform ⁶
MacDonald, A.	Quick Step Analytics ²	Mollan, S. G.	Hologic ⁷
Maheshwari, A.	Cooks ⁵ ; Ferring ⁵	Monleón, J.	ACIS LLC ¹
Mahony, M. C.	EMD Serono, Inc. ⁸ (Retired Employee)	Mor, A.	Sequence46 ⁶
Maisenbacher, M. K.	Natera ^{2,3}	Moradian, M. M.	Arthrex ⁶ ; Probility Physical Therapy ⁶ ; Team Rehab Physical Therapy ⁶
Malik, M.	SCIEX ³	Moravek, M. B.	ART Compass ⁸ (Scientific Advisory Board); Fertility Associates ^{2,3} ; The World Egg Bank ⁸ (Scientific Advisory Board)
Marsh, E. E.	Myovant Sciences ⁶	Morbeck, D. E.	Igenomix R&D ⁸ (Part-time employee)
Maslow, B. L.	Ferring Pharmaceuticals ⁵ ; Ferring Pharmaceutical ⁵	Moreno, I.	IVF JAPAN ⁸ (Head of Group)
Masterson, T. A.	Aytu Biosciences ⁸ (Add Board); Salveo Health ⁶	Morimoto, Y.	Kurashiki Medical Center ³
Mathur, V.	Equillum ⁶ ; Myovant ⁶ ; Rigel ⁶ ; Trevi ^{6,8} (DSMB); Tricida ^{6,8} (stock options)	Motoyama, H.	EMD Serono ⁶
McArthur, S. J.	Merck ⁵	Mottla, G. L.	
McCaffrey, P.	VastBiome ¹		

ABSTRACT AUTHORS DISCLOSURES INDEX

Munné, S.	Cooper Surgical ⁶ ; OVERTURE LIFE ^{1,2} ; Previvo ⁸ (Scientific BOA)	Patrick, J. L.	Revolution Genetics ¹
Murphy, J.	Boston Consulting Group ⁶	Patrizio, P.	FertileSafe ⁸ (co-founder and consultant)
Murphy, J. D.	Boston Consulting Group ⁶	Paulson, R. J.	Ferring Pharmaceuticals ⁶
Nadal, A.	Previvo, Inc ³	Peigné, M.	Gedeon Richter ^{7,8} (congress financial support); Merck ^{7,8} (congress financial support)
Nagai, Y.	Varinos Inc. ¹	Peipert, J. F.	Bayer Healthcare ^{4,6,8} (Advisory Board member & research support); CooperSurgical ^{4,6,8} (Advisory Board member & research support); Merck ^{4,8} (Research support)
Nagy, Z. P.	Inception/Prelude ²	Pellegrini, M.	Prosper DNA ²
Nahas, S.	Medtronic ⁶	Pellicer, A.	Dibimed ² ; IVIRMA Global ²
Najmabadi, S.	Previvo genetics ^{2,6,8} (Principal investigator)	Penrose, L. L.	Reproductive Solutions Inc. ^{1,2,4}
Nakajima, S. T.	Previvo Genetics, Inc. ^{6,8} (Scientific Advisory Board)	Pépin, D.	Bluebird bio ³
Natan, Y.	Fertilesafe Ltd ²	Perrot, V.	Ipsen ³
Navarrete, F.	Ohana Biosciences ³	Perugini, D.	Life Whisperer ^{1,2,3} ; Presagen ^{1,2,3}
Navarro-Sánchez, L.	Igenomix ³	Perugini, M.	Life Whisperer ^{1,2,3} ; Presagen ^{1,2,3}
Nefalar, J.	Sequence46 ³	Petersen, S. H.	NTNU ⁸ (Student)
Neff, L. M.	Amryt ⁴ ; Novo Nordisk ⁸ (Research Investigator)	Peterson, C.	Clinical Innovations, Inc ⁸ (Royalties); TheraTarget, Inc ^{1,2,4}
Neitzel, D.	Invitae ^{2,3}	Peura, T.	Genea ^{2,3}
Nelson, L. M.	Predictive Laboratories ^{1,2}	Pisarska, M. D.	Ferring ^{4,5} ; Naterra ⁵
Nelson, S. M.	Access Fertility ⁶ ; Delivery I ² ; Ferring ^{4,6,7} ; Merck ^{6,7} ; Roche Diagnostics ^{6,7}	Pohl, O.	ObsEva ³
Nguyen, T. V.	Presagen ³	Poindexter, A.	Abbvie ⁴ ; Bayer ⁴ ; Ferring ⁴ ; Myovant ⁴ ; Pfizer ⁴ ; Sebella ⁴
Nikitos, E.	Institute of Life ³	Polat, M.	Mikrogen Genetic Diagnosis Center ³
Nusblat, D.	CooperSurgical ^{2,3}	Poli, M.	Igenomix ⁶
Nussbaum, R. L.	Genome Medical ⁶ ; Invitae ^{1,2} ; Maze Therapeutics ^{2,6} ; Pfizer ⁶	Polotsky, A. J.	Prima-Temp ⁸ (Prima-Temp consultant)
O'Brien, J. E.	Ohana ⁵	Pomeroy, K. O.	Fuji Film Irvine Scientific ⁷ ; The World Egg Bank ³
Olariu, A. I.	Medicines360 ³	Potter, D. A.	Jinxin Fertility ²
Omurtag, K.	Medical Electronic Systems ⁶	Prien, S. D.	Reproductive Solutions Inc ^{1,2,4}
Pal, L.	FLOHEALTH ⁶ ; GLG ⁶	Prokopakis, T.	Institute of Life ²
Panadero, J.	Igenomix ³	Prusinski Fernung, L.	DePuy Synthes ⁸ (Contractor)
Panitsa, G.	Business Insight Corporation Ltd ³	Psarris, A.	Pharmaten ³
Park, J. K.	Ferring Pharmaceuticals ⁷	Psathas, P.	Institute of Life ²
Pasquale, P.	Fertilesafe ⁸ (Co-Founder and medical advisory)	Puscheck, E. E.	AbbVie ⁴ ; Femasys ⁸ (Clinical Events Committee member); Ferring Pharmaceuticals ⁴ ; ObsEva ⁴
Pastore, L. M.	Gilead ²	Quaas, A. M.	Ferring pharmaceuticals ^{6,7}
Pastuszak, A. W.	Allotrope Medical ^{2,8} (Advisor); Bayer AG ⁷ ; Endo Pharmaceuticals ^{4,6,7} ; Inherent Biosciences ^{2,8} (Advisor); Vault Health ^{1,2} ; Woven Health ^{1,2}	Quake, S. R.	Mirvie ^{2,6,8} (Board member)
Patassini, C.	Igenomix Italia srl ³	Quinn, G. P.	FLO Health ⁵
Patel, P.	Boston Scientific ⁶ ; Nestle Health ⁶ ; Paladin Pharmaceuticals ⁵	Quraishi, S.	Abbott Nutrition ^{5,6} ; Alcresta Pharmaceuticals ^{5,6}
Patel, S. S.	Galen ⁶ ; Hologic ^{6,7}		

ABSTRACT AUTHORS DISCLOSURES INDEX

Raghupathy, R. M.	Oasis Fertility ³	Santoro, N.	Ansh Labs ⁶ ; Astellas/Ogeda ⁸ (Scientific Advisory Board); Menogenix, Inc ⁸ (Scientific Advisory Board, stock options)
Rahman, F.	origyn fertility & ivf center ³	Santos-Ribeiro, S.	Besins ⁷ ; Ferring ^{5,7} ; MSD ^{4,5,7} ; Roche ⁴
Raine-Bennett, T. R.	Bayer AG ⁴	Sarris, I.	CooperSurgical ⁵ ; Ferring ⁵ ; Merck ⁵
Ramasamy, R.	Acerus Pharmaceuticals ⁶ ; Aytu Biosciences ^{4,6} ; Boston Scientific ^{4,6} ; Coloplast ^{4,6} ; Direx ⁴ ; Endo Pharmaceuticals ^{4,6} ; Nestle Health ⁶ ; Acerus Pharma ^{4,6}	Saunders, H.	Gedeon Richter/PregLem SA ³
Ratousi, D.	Natera ³	Schadt, E.	Sema ^{4,1,2,3}
Ratts, V.	Aesculap Systems ⁶ ; Bonovo Orthopedics ² ; Kaliber ² ; Medtronic ⁴ ; Nocimed ² ; Ouroboros Medical ² ; Paradime Spine ² ; RTI Surgical Holdings ⁸ (Royalties)	Schickedanz, A.	Wi Inc. Medical Device Development ³
Rayapati, R. S.	Oasis fertility ¹	Schiewe, M. C.	Innovative CryoEnterprises ⁸ (Scientific Advisor)
Reed, S. D.	Bayer ⁴	Schlegel, P. N.	Abbvie ⁶ ; Lilly ⁶ ; Merck ⁶ ; Theralogix ⁶
Reinheimer, T. M.	Ferring Pharmaceuticals A/S ³	Schoendorf, J.	Bayer ³
Richter, K. S.	EMD Serono, Inc. ⁶	Schulze-Rath, R.	Bayer AG ³
Rienzi, L.	Genera Health Care ⁵	Scott, R. T.	Juno Genetics ¹
Rienzi, L. F.	Genera Health Care ⁵	Sebra, R. P.	Sema4, a Mount Sinai Venture ^{2,8} (partial employee)
Rimestad, J.	Vitrolife A/S ³	Segars, J.	Abbvie ⁴ ; ABOG ⁸ (Board member); Bayer ⁴ ; Biospecifics ⁴ ; Myovant ⁶
Rios, J. S.	Abbvie ⁷	Sehnert, S.	EngagedMD ³
Ritchey, M. E.	Bayer ⁸ (Employee of RTI Health Solutions, a non-profit consulting company which conducts research under contract with pharmaceutical companies.)	Seifer, D. B.	Rutger's Medical School ⁸ (Receive royalties from licensing agreement between Rutger's Medical School and MGH with Beckman-Coulter for the use of AMH to determine ovarian reserve.)
Robbins, W. A.	California Walnut Commission ⁴	Seli, E.	ACIS, LLC ² ; Foundation for Embryonic Competence ^{4,6}
Roberts, D. J.	Cambridge University Press ⁸ (Author); UpToDate ⁸ (author)	Seth-Smith, M. L.	Overture Life ³
Rodríguez, S. A.	Sequence4 ^{6,3}	Seyb, K.	Biogen ³ ; Ohana Biosciences ³
Rodríguez, U. V.	NIUVIDA ^{1,2}	Sfontouris, I. A.	Business Insight Corporation ⁸ (Unpaid Scientific Consultant); ESHRE ⁸ (Coordinator SIG Embryology); Eugonia IVF Unit ⁶ ; University of Nottingham ⁸ (Honorary Assistant Professor)
Roman, H.	ETHICON ⁵ ; Gedeon Richter ⁵ ; Nordic Pharma ⁵ ; Olympus ⁵ ; PlasmaSurgical Ltd ⁵	Sgarlata, C. S.	ConnectWell ⁸ (Scientific Advisory Board- non-paid position)
Rossi, B.	Perinatal Resources (Obgyn Board Review Course) ⁵	Shamonki, J. M.	Generate Life Sciences ³
Rubio, C.	Igenomix ³	Sharara, F. I.	Ferring Pharmaceuticals ⁷
Saadat, P.	reproductive fertility center ⁸ (clinic which I own and work in)	Sharma, D.	Origyn Fertility and IVF ²
Sakkas, D.	EMD Serono ⁷ ; Legacy ⁸ (Advisor); Ohana ⁸ (Advisory Board)	Sharma, P.	Lilia ^{6,8} (Chair of medical advisory board)
Sakuraba, Y.	Varinos Inc. ^{1,2}	Sharma, R.	Origyn fertility and ivf ³
Saltus, C. W.	Bayer ⁸ (I am an employee of RTI Health Solutions, which received funding from Bayer to conduct this work.)	Shi, J. M.	Bayer AG ⁸ (I am an employee of Kaiser Permanente Southern California, who received funding from Bayer AG for the conduct of this study.)
Santi, C. M.	NIH ⁴		

ABSTRACT AUTHORS DISCLOSURES INDEX

Shin, D.	Antares Pharm ⁷	Sunkara, S.	Ferring ⁵ ; Merck KGaA ⁵
Shin, L.	Sequence46 ³	Takhar, H. S.	Kaiser Permanente - Southern California ⁸ (<i>I am an employee of Kaiser Permanente Southern California, who received funding from Bayer AG for the conduct of this study.</i>)
Shin, P.	Promescent ²		
Shiple, S. K.	Shady Grove Fertility Center ³		
Shirazi, T.	Modern Fertility ⁶		
Sierra, J.	BMS ² ; GSK ³		
Sifuentes, C. J.	Takara Bio USA ³	Tal, R.	Celmatix ⁴
Silverberg, K.	Abbvie ^{5,7} ; Baxter Healthcare ^{5,6} ; eMD Serono ⁶ ; Ovation Fertility ^{2,8} (<i>Director</i>); Quest Diagnostics ⁵ ; Seikagaku ⁶	Tanaka, S. E.	Varinos Inc. ³
		Tanrikut, C.	New England Cryogenic Center ⁸ (<i>Medical Director</i>); Swimmers ⁸ (<i>Advisory Board</i>)
Simón, C.	Igenomix SL ⁸ (<i>Head of Scientific Advisory Board</i>); MSD ^{5,8} (<i>Invited Speaker</i>); Ferring ⁶ ; Igenomix ⁸ (<i>Head of the Scientific Advisory Board, Head of Scientific Advisory Board</i>); Merck ^{6,8} (<i>Invited Speaker</i>); TEVA ⁶ ; American Society for Reproductive Medicine ⁸ (<i>Editorial Editor Fertility and Sterility</i>); Instituto de Salud Carlos III; Spanish Government ⁶ ; Theramex ^{5,8} (<i>Invited Speaker</i>)	Tao, X.	Foundation for Embryonic Competence ³
		Taylor, H. S.	Yale University ⁸ (<i>Yale has licensed rights to this IP to DotLabs</i>)
		Tejera, A.	IVI RMA Valencia Spain ³
Sinha, A.	Ferring Pharmaceuticals INC ⁶	Terrill, P.	Cytel Inc ³
Skora, D.	Fertility Pharmacy of America ²	Thakore, S.	Clearblue ⁶
Skytte, A.	cyros international ³	Theodoratos, S.	Astrazeneca ¹ ; Business Insight Corporation Ltd ¹
Slayden, O. D.	Bayer AG ⁴	Thomas, M. A.	Medicines 360 ⁴
Smith, C. M.	AbbVie ³	Tian, M.	Pacific centre for Reproductive Medicine ³
SMITH, J. F.	Fellow Health inc. ⁸ (<i>stock options</i>)	Ting, A.	21st Century Medicine, Inc. ³ ; Oregon National Primate Research Center ⁸ (<i>Adjunct position</i>)
Smith, Y. R.	UpToDate ⁸ (<i>Receive royalty as peer reviewer</i>)	Tipping, A. D.	Pfizer ⁸ (<i>Received salary support from a study funded by Pfizer</i>)
		Tober, D.	University of California, San Francisco ⁴
Snabes, M. C.	AbbVie ³	Todd, N. J.	Bayer Inc ⁵
Soares, S. R.	Ferring Farmaceuticals ⁷ ; Gedeon Richter ⁷	Tolani, A. T.	Gauss Surgical, Inc. ^{1,2,3}
		Tormasi, S.	Sequence46 ³
Solignac, C.	Gedeon Richter ³	Torres, R.	Myriad Genetics ³
Sonksen, J.	Multicept A/S ²	Tournaye, H.	Merck ⁶ ; Preglem ^{6,7} ; Theramex ⁶
Spencer, J. B.	JScreen ⁸ (<i>Advisor</i>)	Trawick, E. C.	Xylyx Bio ²
Spinosa, D.	Invitae ^{2,3}	Trussell, J. C.	Theralogix ²
Sriprasert, I.	TherapeuticsMD ⁸ (<i>unrestricted research grant</i>)	Tsai, H.	Bonraybio Co., Ltd. ³
		Tulandi, T.	Ad-hoc consultant for AbbVie ⁶
Stachecki, J.	Innovative Cryo Enterprises ⁸ (<i>owner</i>)	Ubaldi, F. M.	Genera Health Care ⁵
Stein, D. E.	RMA of New York ²	Unsal, E.	Mikrogen Genetic Diagnosis Center ³
Steiner, A. Z.	Prima-Temp ⁶ ; Seikagaku Corporation ⁶		
		Vala, A.	VastBiome ¹
Stewart, E. A.	Bayer ⁶ ; Myovant ⁸ (<i>Steering Committee Member with renumeration</i>); Peer View ⁵ ; UpTo Date ⁵	Valbuena, D.	Igenomix ³
		Varela, E.	IVIRMA Madrid ³
		Vasilopoulos, Y.	Institute of Life ²

ABSTRACT AUTHORS DISCLOSURES INDEX

Vaughan, D. A.	Granata Bio ⁶	Zandvliet, A. S.	Certara ⁶
Venetis, C.	Beisins ⁵ ; Ferring ⁸ (<i>Travel Grant</i>); Merck ^{4,5} ; Merck, Sharpe & Dohme ⁵	Zdunich, D.	Predictive Laboratories ³
Venier, W.	TMRW ²	Zhan, Y.	Foundation for Embryonic Competence ³
Vergara, C. A.	Niuvida ^{1,2}	Zhang, J. J.	Darwin Life and New Hope Fertility ¹
VerMilyea, M. D.	irvine scientific ⁶	Zhang, L.	Center for Human Reproduction ³
Villarroel, C.	myovant ⁶	Zhang, Y.	In Vitrotech Labs, Inc ³
Vireque, A. A.	Invitra - Assisted Reproductive Technologies LTD. ¹	Zimmerman, S.	Ferring Pharmaceuticals ⁶
von Stockum, S.	Bayer AG ⁸ (<i>independent contractor</i>); Myovant ⁸ (<i>independent contractor</i>)	Zubrzycki, J.	Biocodices ³
Wagman, R. B.	Myovant Sciences ^{2,3}		
Walker, J.	Business Insight Corporation Ltd ⁸ (<i>Unpaid commercial consultant</i>)		
Walters-Sen, L.	Invitae ^{2,3}		
Wang, F.	Bonraybio Co., Ltd. ³		
Ward, K.	Juneau Biosciences ^{1,2,3}		
Warsi, Q.	Myovant Sciences, Inc ³		
Wassman, E. R.	Predictive Laboratories ^{2,3}		
Weghofer, A.	Abbott ⁵		
Welch, C.	Sequence46 ¹		
Wells, D.	Juno Genetics ³		
Welt, C. K.	Medtronic ⁶		
Wemmer, N.	Natera ^{2,3}		
Will, M.	Fertility Pharmacy of America ²		
Williams, Z.	Abbvie ^{6,7}		
Wirka, K. A.	EMD Serono ³		
Wise, L. A.	AbbVie ⁶		
Won, J.	RMA of NY ⁸ (<i>Intern</i>)		
Wright, J. D.	Clovis Oncology ⁵ ; Merck ⁴		
Xiang, W.	Takarabio USA ³		
Xie, F.	Bayer AG ⁸ (<i>I'm an employee of Kaiser Permanente Southern California</i>)		
Yang, Z.	Quanovate Tech Inc. ^{1,2,3}		
Yarnall, S.	EngagedMD ³		
Yeh, J.	TruthMD ²		
Yin, X.	EMD Serono ³		
Yong, P.	Ipsen ⁸ (<i>Clinical trial</i>)		
Yong, P. J.	Ipsen ⁸ (<i>Clinical trial</i>)		
Young, S. L.	Abbvie Phramaceuticals ⁶ ; Ferring Pharmaceuticals ^{4,6}		
Yu, O.	Bayer AG ⁴		
Yumura, Y.	Astellas Pharma Inc. ⁷ ; Merk Japan CO., LTD ⁵ ; TOKIBO CO.,LTD ⁵		

ABSTRACT AUTHORS DISCLOSURES INDEX

AUTHOR AND SPOUSE/PARTNER DISCLOSURES INDEX: VIDEO SESSIONS

All oral and poster presenters at the 2020 ASRM Scientific Congress were required to complete a disclosure form. Each abstract or video author is listed below along with any relationships their partners/spouses disclosed.

¹Company Officer ²Direct Stockholder ³Full-Time Company Employee ⁴Grant Recipient ⁵Honoraria
⁶Paid Consultant ⁷Speaker's Bureau ⁸Other ^aPartner/Spouse ^bBoth

Blum, E.	Virtuoso Surgical, Inc. ^{2,3}
Branscombe, L.	Virtuoso Surgical, Inc. ^{2,3}
Hannam, T.	Hannam Fertility ¹
Harvey, L.	Virtuoso Surgical ⁸ (Consultant)
Hendrick, R.	Virtuoso Surgical, Inc. ^{1,2,3}
Jarvi, K.	FlowLabs ¹
Licciardi, F. L.	Prelude ²
Liu, J. H.	AbbVie ⁸ (Clinical Trial paid to institution); Allergan ^{6,8} (Clinical Trial paid to institution); AMAG ⁶ ; Bayer ⁸ (Chair of Data Adjudication Committee); Dare ⁶ ; Femasys ⁸ (Clinical trial paid to institution); Ferring ⁶ ; Mitsubshi-Tanabe ⁶ ; Therapeutics MD ⁶
Miller, C. E.	AbbVie ^{6,7,8} (Research Study); Allergen ⁸ (Research Study); Boston Scientific ⁶ ; Espiner Medical ^{6,8} (Research Study / Royalties); Gynesonics ^{2,6} ; Halt Medical ² ; Hologic ⁶ ; Karl Storz ⁴ ; Medtronic ⁶ ; Temple Therapeutics B.V. ^{2,6}
Pfeifer, S.	Roman Health ⁶ ; Theralogix ⁶
Sasaki, K.	Myovant Sciences ⁸ (Advisory Board)
Schlegel, P. N.	Abbvie ⁶ ; Lilly ⁶ ; Merck ⁶ ; Theralogix ⁶
Webster, S. J.	Virtuoso Surgical, Inc. ^{1,2}

FUTURE ASRM SCIENTIFIC CONGRESS & EXPO DATES

Baltimore, Maryland

October 16-20, 2021



Anaheim, California

October 22-26, 2022



New Orleans, Louisiana

October 14-18, 2023

