Join us this year for the ASRM Gala benefiting the ASRM Research Institute during ASRM’s 2020 Scientific Congress & Expo, October 19-21, 2020, in Portland, OR.

All Congress attendees are invited to a festive evening of fine dining.

Sunday, October 18, 2020
6:00 p.m.

Black tie optional.

Tickets are $500 per person up to six individuals. Purchase your ticket at www.asrmcongress.org when you register for the Congress. For larger groups or table sales, contact Cara Dawn Byford at cbyford@asrm.org.

All proceeds will benefit the ASRM Research Institute.
THIS YEAR, WE WELCOME YOU TO PORTLAND, OREGON, “THE CITY OF ROSES” for the 76th annual meeting of the American Society for Reproductive Medicine! This year’s ASRM Scientific Congress & Expo theme is continuing our long-standing tradition of focusing on the dynamic collaboration in reproductive medicine. Dr. Steve Spandorfer, Scientific Congress Program Chair, and Dr. Amy Sparks, Pre-Congress Program Chair, and their teams have designed a comprehensive and provocative program for Congress attendees. The entire program is designed to address the educational and practice needs of physicians, nurses, andrology and embryology laboratory personnel, genetic counselors, social workers, practice and laboratory managers, other healthcare and allied professionals, as well as practitioners in mental health, law, and ethics.

OUR WEEKEND BEGINS with exciting Pre-Congress courses selected by the Pre-Congress Program Committee in collaboration with our affiliated societies, professional groups, special interest groups, and several international societies, as well as other outside societies. These wide-ranging, multi-disciplinary courses, which are designed to emphasize the dynamic collaborations that underpin our field of reproductive medicine, range from the latest on clinical management and communication of mosaic results obtained from PGT-A, to non-invasive embryo selection, gene editing and AI, paths to parenting for the LGBTQ community, cryostorage management, pediatric and adolescent gynecology, psychosocial and medical issues in male factor infertility, ethical and legal issues in reproductive medicine, to tissue engineering and remodeling. The Pre-Congress program continues to include half-day courses in the program, which were so popular last year. We hope you will take advantage of these courses that are designed to meet the differing schedules as our attendees arrive.

The Scientific Congress Continuing Medical Education (CME) course offerings will include morning plenary and dual afternoon lectures, symposia, and interactive sessions. I am excited to share with you that the program will include forward-thinking lectures that focus on cultivating collaboration in reproductive medicine, changing the reproductive rights conversation and whether we practice evidence-based medicine, discussions on exciting new innovations in the genetic analysis of embryos, genetic engineering and the future of humanity, consideration of next generation therapies for male infertility, the inter-generational dynamics of maternal health on offspring well-being as well as improving access to reproductive medicine services in emerging countries. We also will have a unique presentation on a father's perspective on the life-saving benefits of preimplantation genetic diagnosis. The symposia and interactive sessions will touch on a range of subjects, from image-based surgeries, gamete donor use – both genetic risks and parental disclosure, transgender, and fertility preservation topics. CME sessions will be complemented by non-CME activities including intimate, in-depth luncheons with recognized experts in our highly successful Expert Encounters; roundtable luncheons covering the breadth and depth of reproductive medicine; and oral and poster format scientific abstract presentations, representing cutting-edge research in reproductive medicine and biology.

We welcome our members, trainees, and colleagues from around the world to the ASRM 2020 Scientific Congress & Expo! We value your participation and engagement and hope you will take advantage of the opportunities provided by the meeting to interact and network with colleagues.

I look forward to seeing you in the beautiful city of Portland, where together we will celebrate ASRM’s 76th Anniversary. I encourage you to consider joining us on Sunday night, October 18, 2020 at the Gala Celebration in support of the outstanding research efforts of our Society members.

Sincerely,

Catherine Racowsky, PhD.
ASRM President, 2019-2020
JOIN US FOR OUR

Opening Ceremony

Monday, October 19th, 7:45 am – 8:30 am

Plenary 1 will immediately follow in the same room.

A complimentary continental breakfast will be available 7:00 am – 7:45 am
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](http://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.
ASRM 2020 Scientific Congress
Program Planning Committees

Catherine Racowsky, Ph.D., President
Steven D. Spandorfer, M.D., Scientific Congress Program Chair
Paolo Rinaldo, M.D., Ph.D., Interactive Sessions Chair
James H. Segars, M.D., Roundtables Program Chair
Amy Sparks, Ph.D., Pre-Congress Program Chair
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Erica B. Johnstone, M.D., Pre-Congress Coordinating Chair

Dolores Lamb, Ph.D., Ad Hoc Committee Member
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Nancy Kaufman, L.C.S.W., Ad Hoc Committee Member
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Ruben Alvero, M.D., Society for Reproductive Endocrinology and Infertility Program Chair
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John Petrozza, M.D., Society for Reproductive Surgeons Program Chair
Brad Milette, B.S., Society for Reproductive Biologists and Technologists Program Chair
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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

ASRM Officers and Board of Directors 2019 – 2020

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Charles Miller, M.D.
Ceana H. Nezhat, M.D.
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.
| PC01 | Optimizing Clinic Staff Retention and Experience - Communication, Supportive Care and Educational Tools |
| PC02 | Critical Knowledge to Practice Evidence-Based Medicine |
| PC03 | Clinical Management and Communication of Mosaic Results from PGT-A |
| PC04 | Frontiers and Controversies in ART: Non-Invasive Embryo Selection, Gene Editing, Artificial Gametes, and AI |
| PC05 | Early Pregnancy Loss Management: The Tried, The True, and The New from Surgery to Genetics |
| PC06 | Paths to Parenting for the LGBTQ Community: Ethics, Decisions, Challenges and Hope |
| PC07 | Human Reproductive Tissue Cryopreservation: The Lab Science and the Social Science |
| PC08 | State of the ART of Non-Ejaculated Sperm and the Reproductive Lab |
| PC09 | Pediatric and Adolescent Gynecology: Preparing for Practice |
| PC10 | Infertility: Did Someone Mention Men? Contemporary Psychosocial and Medical Issues in Male Factor Infertility |
| PC11 | The Patient Experience: The Good, The Bad and The Ugly |

**SUNDAY, OCTOBER 18, 2020**

| PC12 | Fat and Fertility: Evidence from Basic, Epidemiologic, and Clinical Research |
| PC13 | Bridging the Gaps in Access to Care |
| PC14 | Challenging Issues for a Fertility Practice |
| PC15 | Development and Maintenance of a Third-Party Reproduction Team: Setting the Standard for Excellence |
| PC16 | Coding for Reproductive Medicine Practices in 2020 |
| PC17 | Back to the Future: Genetics and Family Building Choices - Medical, Psychosocial, Nursing and Legal Considerations |
| PC18 | Polycystic Ovary Syndrome (PCOS) Across the Reproductive Life Course |
| PC19 | Thinking Outside the Box: Unique Populations for Fertility Preservation in 2020 |
| PC20 | Truths and Myths, Debate on Lifestyle Issues for Male and Female Reproduction, the Embryo and Offspring |
| PC21 | Focus on Ultrasound Imaging for Fertility, Early Pregnancy, Consequences and Appropriate Reproductive Counseling |
| PC22 | Recurrent Implantation Failure |
| PC23 | Delivering Exceptional Care: Personalized Practice in the Embryology Laboratory |
| PC24 | Tissue Engineering and Modeling in Reproduction |
| PC25 | A Comprehensive Medical and Surgical Approach to Uterine Fibroids: Getting the Results Your Patients Need and Want |
| PC26 | A Team Approach to Providing Early Pregnancy Loss Care in the Emergency Department and Outpatient Settings |
| PC27 | Fertility Preservation for Patients with Primary Ovarian Insufficiency |

**SUNDAY, OCTOBER 18, 2020**

8:00 am - 3:45 pm  
Society for Reproductive Endocrinology and Infertility (SREI) Members’ Retreat

6:00 pm ASRM Gala
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<th>Time</th>
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<tr>
<td>7:00 am - 7:45 am</td>
<td>Continental Breakfast</td>
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<tr>
<td>7:45 am - 8:00 am</td>
<td>Opening Ceremony</td>
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<td>8:15 am - 9:15 am</td>
<td>Plenary</td>
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<td>8:15 am - 9:15 am</td>
<td>President’s Guest Lecture: Cultivating Collaboration in Reproductive Medicine</td>
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<td>9:00 am - 12:00 pm</td>
<td>Poster Setup</td>
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<td>9:15 am - 10:00 am</td>
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<td>9:15 am - 10:00 am</td>
<td>Changing the Reproductive Rights Conversation</td>
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<td>10:00 am - 10:45 am</td>
<td>Break</td>
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<td>10:45 am - 12:15 pm</td>
<td>Scientific Congress Prize Paper Session 1</td>
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<td>11:00 am - 12:00 pm</td>
<td>MHPG Clinical Session Perinatal Mental Health: What Happens After Assisted Reproduction?</td>
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<td>12:15 pm - 1:15 pm</td>
<td>Break/Lunch</td>
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<td>12:15 pm - 1:15 pm</td>
<td>Expert Encounter</td>
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<td>12:15 pm - 1:15 pm</td>
<td>Sunney Xie, Ph.D. Toward Non-invasive Preimplantation Genetic Testing</td>
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<td>12:30 pm - 2:00 pm</td>
<td>Roundtables</td>
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<td>12:30 pm - 2:00 pm</td>
<td>RTM1 - RTM45</td>
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<td>1:30 pm - 2:30 pm</td>
<td>NPG Clinical Session What You Need to Know About Ultrasound in Reproductive Medicine - Day 1</td>
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<tr>
<td>1:30 pm - 3:45 pm</td>
<td>Symposia</td>
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<td>1:30 pm - 3:45 pm</td>
<td>KY Cha Symposium in Stem Cell Technology and Reproductive Medicine: Spermatogenesis in a Dish - Challenges and Accomplishments</td>
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<td>Expanding Indications for Preimplantation Genetic Testing (PGT) Impact on ART Practices</td>
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<td>Cultural Considerations in International Surrogacy Arrangements</td>
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<td>The Challenges of Patient Retention: Innovative Methods to Decrease the Physical and Emotional Burden of Undergoing Infertility Treatment</td>
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<td>Image-Based Reproductive Surgery and Uterine Transposition: Maximizing Outcomes and Preserving Reproduction</td>
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<td>Hormones &amp; Thrombosis: A Primer for Clinicians and Roadmap for Researchers</td>
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<td>AE-PCOS Society Symposium: Impact of Lifestyle Intervention on Health Outcomes in Polycystic Ovary Syndrome</td>
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<td>Examining Genetic Risk for Gamete Donors: Current Approaches to Family History and Carrier Screening</td>
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<td>ESHRE Symposium: Recurrent Implantation Failure: An Entity of Embryonic and Maternal Origin</td>
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<td>AMMR Symposium: Clinical and Molecular Characteristics As Predictives of Implantation Rates</td>
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<td>FDA Symposium: Reproductive HCT/P Donor Eligibility and Compliance Update for Reproductive HCT/P Establishments</td>
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<td>3:00 pm - 4:00 pm</td>
<td>Plenary</td>
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<td>3:00 pm - 4:00 pm</td>
<td>The David and Rosemary Adamson Lecture on Excellence in Reproductive Medicine: Do we practice evidence-based medicine?</td>
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<td>3:45 pm - 4:30 pm</td>
<td>Break</td>
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<td>4:30 pm - 5:30 pm</td>
<td>MHPG Clinical Session</td>
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<td>4:30 pm - 5:30 pm</td>
<td>I Have a Question I Want to Answer. Now What Do I Do?</td>
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<td>4:15 pm - 5:30 pm</td>
<td>Video Session 1</td>
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<td>4:30 pm - 5:30 pm</td>
<td>Interactive Sessions</td>
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<td>Panel Discussion - Classic: Fertility Patient Support Strategies</td>
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<td>Panel Discussion - Classic: How to Obtain Funding from Different Sources: The NIH, Academia and Private Companies</td>
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<td>Team-based Learning - Lifestyle and Genetics: High and Low Tech Approaches to Recurrent Pregnancy Loss</td>
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<td>Case Presentations - Expert Discussion: Troubleshooting the Laboratory: Identifying Issues and Potential Areas of Risk</td>
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<td>Debate - Decision Making and Advanced Surgical Techniques in Cases of Non obstructive Azospermia and Non Azospermia</td>
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<td>Debate - Antioxidants and Male Fertility: Should Men Take Supplements or Not?</td>
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<td>Case Presentations - Expert Discussion: Barriers to Adenomyosis Discovery and Treatment</td>
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<td>Panel Discussion - Classic: Embryos v. Eggs? Emerging Fertility Preservation Challenges</td>
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<td>Case Presentations - Expert Discussion: My Patient Has Fibroids and Now Wants to Get Pregnant! What Do I Recommend?</td>
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<td>Panel Discussion - Classic: Reproductive Immunology and ART: A Second Look</td>
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### SCHEDULE-AT-A-GLANCE  TUESDAY, OCTOBER 20, 2020

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<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tr>
<td>6:30 am - 7:45 am</td>
<td>Poster Abstract Session and Continental Breakfast</td>
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<td>7:00 am - 8:00 am</td>
<td>Women’s Council Breakfast</td>
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<tr>
<td>8:00 am - 8:30 am</td>
<td>Plenary Pre-Plenary Special Lecture: Andy and Sophia</td>
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<tr>
<td>8:30 am - 9:15 am</td>
<td>Plenary Camran Nezhat, M.D. Lectureship in Innovations in Medicine: Innovations in Genetic Analysis of Embryos</td>
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<td>9:15 am - 10:00 am</td>
<td>Plenary Hacking Darwin: Genetic Engineering and the Future of Healthcare, Assisted Reproduction, and Humanity</td>
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<td>10:00 am - 10:45 am</td>
<td>Break</td>
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<td>10:45 am - 12:15 pm</td>
<td>Scientific Congress Prize Paper Session 2 Oral Abstract Sessions</td>
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<td>10:45 am - 12:15 pm</td>
<td>Surgical Video Tutorial Video Case Studies Surgical Video Tutorial: Uterine Transplantation: Fresh vs Cadaveric and Abdominal vs Minimally Invasive - Which are the Best Options?</td>
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<td>11:00 am - 12:00 pm</td>
<td>NPG Clinical Session What You Need to Know About Ultrasound in Reproductive Medicine - Day 2</td>
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<td>12:15 pm - 12:30 pm</td>
<td>Break/Lunch</td>
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<td>12:30 pm - 2:00 pm</td>
<td>Expert Encounter Jamie Metzl, Ph.D., J.D. The Genetics Revolution vs. The Coronavirus</td>
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<td>12:30 pm - 2:00 pm</td>
<td>Expert Encounter Kyle Orwig, Ph.D. Next Generation Therapies for Infertility</td>
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<td>1:30 pm - 2:00 pm</td>
<td>Symposium Howard and Georgeanna Jones Endowed Symposium on Assisted Reproductive Technology: Mechanisms of Ovarian Follicle Development: Scientific Basis of Performing Sound Ovarian Stimulation</td>
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<td>3:00 pm - 3:15 pm</td>
<td>Plenary American Urological Association Bruce Stewart Memorial Lecture: Spermatogonial Stem Cells and Spermatogenesis in Mice, Monkeys, and Men: Fertility Preservation in Pre-pubertal Males</td>
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<td>3:00 pm - 3:45 pm</td>
<td>Plenary SSR Keynote Lecture</td>
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<td>Video Session 2</td>
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<td>MHPG Clinical Session Ethical Considerations for Psychological Testing in Third-Party Evaluations</td>
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<td>Interactive Sessions Case Presentations - Expert Discussion: Advances and Breakthroughs in PGT-A</td>
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<td>Panel Discussion - Classic: Optimization of the Embryo and Couple in Male Factor Infertility: Interplay between Reproductive Endocrinology, Embryologist and Reproductive Urologist in Cases Involving Possible Sperm Extraction</td>
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<td>Team-based Learning - Evidence Based Embryo Transfer: Maximizing Implantation</td>
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<td>Debate - What We All Do, We Still Do Differently: The Continuing Debated Questions in the IVF Lab</td>
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<td>Team-based Learning - Insurance Mandates for Fertility Preservation: A Tool Kit for Working with Your Legislature</td>
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<td>Case Presentations - Expert Discussion: Care for Transgender and Gender-Nonconforming Adolescents</td>
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<td>Panel Discussion - Jimmy Fallon: How To Successfully Transition to a Practice Management Role at a Reproductive Medicine Clinic</td>
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<td>Panel Discussion - Classic: Benefits and Limitations of Time Lapse Imaging and AI in ART</td>
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<td>Panel Discussion - Jimmy Fallon: Diagnostic Thresholds for Defining PCOS Features: A Moving Target</td>
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<td>Panel Discussion - Classic: Complex Family Planning Fellows Showcase: Frontiers of Contraceptive Research</td>
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<td>Oral Abstract Sessions</td>
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<td>Resident Learning Session</td>
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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 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 and Information
Choices may be limited on-site. Pre-registration is recommended.

ON-SITE REGISTRATION DESK:
OREGON CONVENTION CENTER

<table>
<thead>
<tr>
<th>Day</th>
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<tbody>
<tr>
<td>Friday, October 16</td>
<td>2:00 pm – 6:00 pm</td>
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<td>Saturday, October 17</td>
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<td>Sunday, October 18</td>
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<td>Wednesday, October 21</td>
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BE SURE TO VISIT THE EXPO HALL

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<tr>
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<td>Tuesday, October 20</td>
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<tr>
<td>Wednesday, October 21</td>
<td>9:00 am – 2:00 pm</td>
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Children under 16 are allowed on the Expo Floor only when accompanied/supervised by an adult. No strollers allowed.

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

### Pre-Congress Course Registration Fees

<table>
<thead>
<tr>
<th></th>
<th>Early Bird By 9/17/2020</th>
<th>Late/On-site After 9/17/2020</th>
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<tr>
<td><strong>ASRM Member (Doctoral)</strong></td>
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<td>One 1-day course*</td>
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<td>Half-day Course**</td>
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<td>Two 1-day courses*</td>
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<td>Half-day Course**</td>
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<td><strong>Medical Resident-in-Training, Fellow, Team Member from your office/practice</strong></td>
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<td>One 1-day course*</td>
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<td><strong>Hands-on Course Fee</strong></td>
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<tr>
<td>The SRS surgical, hands-on course, PC25, requires an additional $350 fee</td>
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* PC03 – PC09 (Saturday) and PC14 – PC25 (Sunday) are full-day/1-day courses
** PC01, PC02, PC10, PC11 (Saturday) and PC12, PC13, PC26, & PC27 (Sunday) are half-day courses

### Scientific Congress Registration Fees

<table>
<thead>
<tr>
<th></th>
<th>Early Bird By 9/17/2020</th>
<th>Late/On-site After 9/17/2020</th>
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<td><strong>ASRM Life Member</strong></td>
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<td><strong>Fellow</strong></td>
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<td>(Proof-of-status letter from chair/dept. head required)</td>
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<td><strong>Team Member from your office/practice</strong></td>
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<td><strong>Medical Resident-in-Training</strong></td>
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<td><strong>Full-time Student</strong></td>
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<td>(Full-time medical students and full-time graduate students working toward first doctorate; documentation required)</td>
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### Ticketed Events

- **Spouse/Guest Program** $150 | $150
  (Spouse/Guest registration badge includes Opening Ceremony, Expo Hall, Plenary Sessions, and Hospitality Room Monday - Wednesday)

- **Roundtable Luncheons** $60/day
  (You may attend only one Roundtable Luncheon per day)

- **Expert Encounters** $50/day

- **Women’s Council Breakfast** $50
  Tuesday, October 20, 2020, at 7:00 am

- **SREI Members’ Retreat** $250
  Sunday, October 18, 2020, 8:00 am - 3:45 pm

- **Gala** $500
  Sunday, October 18, 2020, 6:00 pm
to benefit the ASRM Research Institute

### ASRM 2020 Scientific Congress & Expo Location

ASRM 2020 Scientific Congress & Expo Location
Oregon Convention Center
777 NE Martin Luther King Jr Blvd
Portland, OR 97232

### Morning Poster Sessions

Poster Sessions will be held on Tuesday and Wednesday mornings from 6:30 am until 7:45 am
Complimentary continental breakfast will be available.
No reservation is required.
Miss a poster you want to know more about?
Try PosterPlus via the ASRM Mobile App!
Registration Information

Book in the ASRM Housing Block and save $50 off registration fees!


To register, visit:
1. [www.asrmcongress.org](http://www.asrmcongress.org) and click on
2. ASRM Congress and then
3. Register for 2020 Scientific Congress & Expo

Use your ASRM 2020 Preliminary Program as a guide to register for the courses you wish to attend.

For questions, please call (571) 549-4539 or email asrmregistration@spargoinc.com.

Register early to take advantage of discounted rates!

**Early Bird Deadline: September 17, 2020**

Cancellations received before or by September 17, 2020 will receive a full refund minus a $150 processing fee.

Cancellations received after September 17, 2020 **WILL NOT BE ELIGIBLE FOR A REFUND.**

Cancellation requests must be submitted in writing to asrmregistration@spargoinc.com.

For those attendees requiring visas, the online letter of invitation will display once you complete your registration. We suggest that you register early in order to submit your visa application in a timely manner.

Cancellations received after September 17, 2020, **WILL NOT BE ELIGIBLE FOR A REFUND.**

**ADMISSION BADGES**
Name badges will be issued for the Pre-Congress and Scientific Congress and are required for admission. Spouse/guest badges will be issued and are required for admission to the Opening Ceremony, Plenary Sessions, and the Expo Hall. Badges must be worn at all times.

**PHOTO/AUDIO/VIDEO RECORDING**
Photographing or audio/video recording of any session for personal or commercial purposes without permission is prohibited.

**HARASSMENT POLICY**
It is the policy of the American Society for Reproductive Medicine that all participants in Society activities will enjoy an environment free from all forms of discrimination, harassment, and retaliation. ASRM is committed to the philosophy of equal opportunity and treatment for all members regardless of race, color, religion, age, gender, sexual orientation, gender identity, national origin, citizenship, disability, military status, or any other reason not related to scientific merit. Visit www.ASRMCongress.org for more details.
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 (ACME), 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.

**How to Claim Continuing Medical Education/Continuing Education Credits**

For Pre-Congress Courses:
- Attend your course.
- Complete an evaluation and a post-course assessment using a web link emailed to you 1 day after the course.
- Print your certificate.

For the Scientific Congress:
- Attend the Congress sessions of your choice.
- Complete an evaluation and a post-Congress assessment for the sessions you attended using a web link emailed to you 1 day after the Congress.
- Print your certificate.

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

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

Disclosures of faculty and presenters for the Pre-Congress 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.

**The Accreditation Council for Continuing Medical Education (ACME)**
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 14.00 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

**ASRM 2020 Pre-Congress Program Designation Statement**
The American Society for Reproductive Medicine designates Pre-Congress Courses 03–09 & 14–25 for a maximum of 6.5 AMA PRA Category 1 Credits™ per course, Pre-Congress Courses 01, 02, 10, 11, 12, 13, 26 and 27 are approved for a maximum of 3.0 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)**
Application will be made to the American College of Obstetricians and Gynecologists for assignment of Cognates to the Scientific Congress and selected Pre-Congress Courses.

**American Board of Bioanalysis (ABB)**
Application will be made to the American Board of Bioanalysis for Professional Enrichment Education Renewal (PEER) credits for the Scientific Congress and selected Pre-Congress Courses.

**Nursing Credits: National Association of Nurse Practitioners in Women’s Health (NPWH)**
Application will be made to the Continuing Education Approval Program of the National Association of Nurse Practitioners in Women’s Health for the Scientific Congress; NPG Clinical Sessions CSM02, CST01, CSW02; and Pre-Congress Courses 01, 11, and 15.

**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; Pre-Congress 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 Pre-Congress 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 Pre-Congress 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.
SATURDAY, OCTOBER 17, 2020  HALF DAY, 8:15 AM - 12:00 PM

PC01  Optimizing Clinic Staff Retention and Experience - Communication, Supportive Care and Educational Tools
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.

SATURDAY, OCTOBER 17, 2020
HALF DAY, 8:15 AM - 12:00 PM

PC02 Interpreting Studies and Results in Reproductive Health: Critical Knowledge to Practice Evidence-Based Medicine
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 evidence-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.
PC03 Clinical Management and Communication of Mosaic Results from PGT-A
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 in a preimplantation embryo, how to distinguish factors that contribute to a mosaic diagnosis, how to recognize limitations of a mosaic diagnosis, how to differentiate the significance of mosaic chromosome results identified in the preimplantation from those identified in the prenatal and postnatal period, how to summarize the latest data regarding outcomes of mosaic embryo transfers, how to compare the merits of various prenatal testing options in the context of suspected embryonic mosaicism, how to develop clinical policies regarding transfer and storage of embryos diagnosed as mosaic, and how to apply recommendations from the recent Practice Committee opinion on mosaic results to your IVF practice. This course will also examine the data available for triaging mosaic results from low to high risk, and how different technology platforms influence the rate of mosaic results between laboratories. It will review pre-transfer genetic counseling points for patients considering mosaic embryo.

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.
Saturday, October 17, 2020 Full Day, 8:15 AM - 5:00 PM

PC04 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, 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.
SA  TURDAY, OCTOBER 17, 2020  FULL DAY, 8:15 AM - 5:00 PM

PC05  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

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.

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.

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.
SÁTURDAY, OCTOBER 17, 2020  FULL DAY, 8:15 AM - 5:00 PM

PC06  Paths to Parenting for the LGBTQ Community: Ethics, Decisions, Challenges and Hope
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

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.
PC07 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.
PC08  State of the ART of Non-Ejaculated Sperm and the Reproductive Lab

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.
PC09 Pediatric and Adolescent Gynecology: Preparing for Practice

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.
SATURDAY, OCTOBER 17, 2020 HALF DAY, 1:15 PM - 5:00 PM

PC10 Infertility: Did Someone Mention Men? Contemporary Psychosocial and Medical Issues in Male Factor Infertility
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. Shamoni, 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.
PC11 The Patient Experience: The Good, The Bad and The Ugly
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.
**SUNDAY, OCTOBER 18, 2020** HALF DAY, 8:15 AM - 12:00 PM

**PC12**  Fat and Fertility: Evidence from Basic, Epidemiologic, and Clinical Research  
Developed in Cooperation with the Nutrition Special Interest Group

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**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

**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.

**Target Audience**
This course is designed for primary care physicians, specialty 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.
PC13 Bridging the Gaps in Access to Care
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 Coliura, 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 to expand coverage.

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.
PC14  Challenging Issues for a Fertility Practice  
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 clinical 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.
SUNDAY, OCTOBER 18, 2020 FULL DAY, 8:15 AM - 5:00 PM

PC15 Development and Maintenance of a Third-Party Reproduction Team: Setting the Standard for Excellence 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.
SUNDAY, OCTOBER 18, 2020  FULL DAY, 8:15 AM - 5:00 PM

PC16  Coding for Reproductive Medicine Practices in 2020  CME
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.
PC17 Back to the Future: Genetics and Family Building Choices - Medical, Psychosocial, Nursing and Legal Considerations

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.
SUNDAY, OCTOBER 18, 2020
FULL DAY, 8:15 AM - 5:00 PM

PC18 Polycystic Ovary Syndrome (PCOS) Across the Reproductive Life Course
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.
SUNDAY, OCTOBER 18, 2020  FULL DAY, 8:15 AM - 5:00 PM

PC19  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.
SUNDAY, OCTOBER 18, 2020 FULL DAY, 8:15 AM - 5:00 PM

PC20 Truths and Myths, Debate on Lifestyle Issues for Male and Female Reproduction, the Embryo and Offspring

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
Mind Body Nutrition, PLLC

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.

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.

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.
**PC21 Focus on Ultrasound Imaging for Fertility, Early Pregnancy, Consequences and Appropriate Reproductive Counseling**

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

**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.

**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.
**PC22 Recurrent Implantation Failure**

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

**Faculty**
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 it’s 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 loses. 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.
PC23  Delivering Exceptional Care: Personalized Practice in the Embryology Laboratory
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.
SUNDAY, OCTOBER 18, 2020  FULL DAY, 8:15 AM - 5:00 PM

PC24  Tissue Engineering and Modeling in Reproduction  CME
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

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.

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.

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.
A Comprehensive Medical and Surgical Approach to Uterine Fibroids: Getting the Results Your Patients Need and Want
Developed in Cooperation with the Society of Reproductive Surgeons (SRS) and Fibroids Special Interest Group

Faculty
John C. Petrozza, M.D. (Chair)
Massachusetts General Hospital Fertility Center
Erica E. Marsh, M.D.
University of Michigan
Balasubramanian Bhagavath, M.B.B.S.
University of Rochester Medical Center
Shannon Laughlin-Tommaso, M.D.
Mayo Clinic

Description
This comprehensive hands-on course will focus on the pathophysiology of fibroids, access to care issues, racial differences in treatment choice, medical and radiologic options available to manage fibroids, and incorporate the laparoscopic and hysteroscopic skills needed to be proficient in this approach. The didactics will be short, with surgical talks presented in a technology, entertainment, design (TED) format. The surgical skills training will incorporate simulation and dry-lab training using a new, realistic tissue model with the intent of ensuring participants will be able to translate these skills immediately into the surgical arena.

ACGME Competency
Medical Knowledge
Patient Care and Procedural Skills

Learning Objectives
At the conclusion of this course, participants should be able to:
1. Describe the pathophysiology of fibroids, access to care issues, and racial differences in treatment choices.
2. Determine the medical and radiologic treatment choices available and their advantages and disadvantages.
3. Utilize and enhance surgical skills to manage uterine fibroids that you can apply now in your clinical practice.
SUNDAY, OCTOBER 18, 2020 HALF DAY, 1:15 PM - 5:00 PM

PC26 A Team Approach to Providing Early Pregnancy Loss Care in the Emergency Department and Outpatient Settings
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.
SUNDAY, OCTOBER 18, 2020  HALF DAY, 1:15 PM - 5:00 PM

PC27  Fertility Preservation for Patients with Primary Ovarian Insufficiency
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.

Do you know a resident attending the Scientific Congress?
Participants in the ASRM Resident Education Program will attend a flipped-classroom, interactive learning session, led by experts in reproductive medicine and medical education (boxed lunch provided), and a related symposium.

This ASRM-sponsored program (no additional cost to participants) is open to the first 100 residents who opt in at the time they register for the Scientific Program using a dialogue box that will open during the registration process.

Questions? Email Jessica Goldstein at jgoldstein@asrm.org.
SUNDAY, OCTOBER 18, 2020

8:00 am - 3:45 pm
Society for Reproductive Endocrinology and Infertility (SREI) Members’ Retreat
$250 Fee

This course will focus on concrete, actionable techniques to keep clinical practice patterns current and implement quality control metrics to optimize patient care. These techniques can be applied to improve patient satisfaction, retention and grow your practice. This is a non-CME retreat for SREI members only.

TICKETED EVENTS

Ticketed events listed in the daily schedule are marked with a icon.

DAILY

Resident Learning Sessions
Monday, Tuesday, and Wednesday
12:30 pm - 2:00 pm
(Lunch provided • registration required)

Expert Encounters

TUESDAY, OCTOBER 20, 2020

7:00 am - 8:45 am
Women’s Council Breakfast
$50 Fee

6:00 pm
ASRM Gala

Tickets are $500 per person up to six individuals with all proceeds benefitting the ASRM Research Institute. Purchase your ticket at www.asrmcongress.org when you register for the Congress. For larger groups or table sales, contact Cara Dawn Byford at cbyford@asrm.org.

Roundtable Luncheons
Monday, Tuesday, and Wednesday
12:15 pm - 1:15 pm
$60 Fee/day

See pages 84 - 89 for a list of roundtable titles and speakers.
These intimate, in-depth luncheon sessions are designed for interaction and exchange with recognized experts in their field. Bring your questions and discussion ideas, and be prepared to engage while you enjoy a boxed lunch during the session. Sign up now for this ticketed event with limited registration.

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Speaker</th>
<th>Topic</th>
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</thead>
<tbody>
<tr>
<td>Monday, October 19</td>
<td>12:15 - 1:15 pm</td>
<td>Sunney Xie, Ph.D.</td>
<td>Toward Non-invasive Preimplantation Genetic Testing</td>
</tr>
<tr>
<td>Tuesday, October 20</td>
<td>12:15 - 1:15 pm</td>
<td>Jamie Metzl, Ph.D., J.D.</td>
<td>The Genetics Revolution vs. The Coronavirus</td>
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<td>Kyle Orwig, Ph.D.</td>
<td>Next Generation Therapies for Infertility</td>
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<tr>
<td>Wednesday, October 21</td>
<td>12:15 - 1:15 pm</td>
<td>Klaas Heinemann, Ph.D.</td>
<td>TDB</td>
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<tr>
<td></td>
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<td>Corrine Welt, M.D.</td>
<td>Genetics and PCOS</td>
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What you should know about the ASRM 2020 Scientific Congress & Expo

1. **Schedule changes!** Take a good look at the daily schedule for Monday, Tuesday, & Wednesday. You’ll see that Symposia have moved from the afternoon and are now from 1:30 pm to 2:45 pm!

2. **Lunch** is a designated time, 12:15 pm - 1:15 pm, for either a ticketed lunchtime activity or for you to grab lunch and network with colleagues. Portland offers lots of local spots to enjoy close to the convention center!

3. **Expert Encounters!** This is your opportunity to ask questions and have a dialogue with an expert in select topic areas. Space is limited and these will sell out so book your slot early!

4. Check out our **Roundtable discussions** – 45 Monday, 35 Tuesday, and 30 Wednesday!

5. Our fully interactive and very useful **meeting app** is a must-have for all Congress attendees. Complete your in-app profile and network with other attendees, locate your next session easily with directions from where you are to where you need to be, and play the **Expo Passport Game** in the app while on-site at the Congress.

6. **PosterPlus** – in addition to the poster sessions on Tuesday and Wednesday mornings, you can view short video presentations about the poster abstracts. Just click on the PosterPlus icon in the app and scroll through the available videos!

7. **Gala** Tickets are $500 per person up to six individuals with all proceeds benefiting the ASRM Research Institute. Purchase your ticket at www.asrmcongress.org when you register for the Congress. For larger groups or table sales, contact Cara Dawn Byford at cbyford@asm.org.
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 lifestyle 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
2020 SCIENTIFIC CONGRESS DAILY SCHEDULE

SUNDAY, OCTOBER 18, 2020

8:00 am - 3:45 pm
SREI Members’ Retreat

1:00 pm - 5:00 pm
Poster Setup

6:00 pm
ASRM Gala

MONDAY, OCTOBER 19, 2020

7:00 am - 7:45 am
Opening Ceremony
Continental Breakfast

7:45 am - 8:30 am
Opening Ceremony

8:30 am - 9:15 am
Plenary
President’s Guest Lecture:
Cultivating Collaboration in
Reproductive Medicine
Endowed by a 1987 grant from
Ortho Women’s Health
Jim Tamm

9:15 am - 10:00 am
Plenary
Changing the Reproductive
Rights Conversation
Endowed by a 1990 grant from
TAP Pharmaceutical
Jessica Waters
American University

10:00 am - 10:45 am
Break

10:45 am - 12:15 pm
Oral Abstract Sessions

11:00 am - 12:00 pm
Clinical Session
MHPG Clinical Session: Perinatal
Mental Health: What Happens After
Assisted Reproduction?
Teni Davoudian, Ph.D. (Chair)
Private Practice
Ariadna Cymet Lanski, Psy.D.
Laura S Covington, Ph.D., L.C.S.W.
Shady Grove Fertility

12:15 pm - 1:15 pm
Break/Lunch

12:15 pm - 1:15 pm
Expert Encounter

12:15 pm - 1:15 pm
Roundtables

12:30 pm - 2:00 pm
Resident Learning Session

1:30 pm - 2:45 pm
Symposium
Expanding Indications for
Preimplantation Genetic Testing
(PGT) Impact on ART Practices
Joe Leigh Simpson, M.D.
Florida International University
Svetlana Rechitsky, Ph.D.
Reproductive Genetic Innovations
Semra Kahraman, Prof.
Istanbul Memorial Hospital

1:30 pm - 2:45 pm
Symposium
Cultural Considerations in
International Surrogacy
Arrangements
Mary P. Riddle, Ph.D. (Chair)
Penn State University
Meryl Rosenberg, J.D.
Private Practice
Brandon Bankowski, M.D.
Penn State University

1:30 pm - 2:45 pm
Symposium
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 Toth, M.D.
Boston IVF

1:30 pm - 2:45 pm
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.
Parryscope Fertility

10:45 am - 12:15 pm
Scientific Congress Prize Paper
Session 1

1:30 pm - 2:45 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
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1:30 pm - 2:45 pm
Symposium
CME
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Parryscope Fertility

PLENARY LECTURES WILL BE TRANSLATED SIMULTANEOUSLY INTO SPANISH AND MANDARIN CHINESE FOR MEMBERS OF THE AUDIENCE
1:30 pm - 2:45 pm  
**Symposium**  
Hormones & Thrombosis: A Primer for Clinicians and Roadmap for Researchers  
Jamie Klashin, M.D., M.S.C.R. (Chair)  
University of New Mexico  
Bethany Samuelson-Bannow, M.D.  
Oregon Health and Science University  
Antoinette Nguyen, M.D. M.P.H.  
(Co-Chair)  
Centers for Disease Control and Prevention  

1:30 pm - 2:45 pm  
**Symposium**  
AE-PCOS Society Symposium: Impact of Lifestyle Intervention on Health Outcomes in in Polycystic Ovary Syndrome  
Marla E. Lujan, M.Sc., Ph.D. (Chair)  
Cornell University  
Wendy Vitek, M.D. (Speaker)  
University of Rochester  
Anuja Dokras, M.D., Ph.D.  
University of Pennsylvania Perelman School of Medicine  

1:30 pm - 2:45 pm  
**Symposium**  
Examining Genetic Risk for Gamete Donors: Current Approaches to Family History and Carrier Screening  
Tamara Tobias, ARNP (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  

1:30 pm - 2:45 pm  
**Symposium**  
ESHRE Symposium: Recurrent Implantation Failure: An Entity of Embryonic and Maternal Origin  
Bettina Toth, Professor (Chair)  
Medical University Innsbruck  

1:30 pm - 2:45 pm  
**Symposium**  
Mexican Association of Reproductive Medicine (AMMR) Symposium: Clinical and Molecular Characteristics As Predictives of Implantation Rates  
Marcelino Hernandez-Valencia, M.D., Ph.D. (Organizer)  

1:30 pm - 2:45 pm  
**Symposium**  
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  
Simon Porter, M.D.  
Food and Drug Administration, Center for Biologic Evaluation and Research  

3:00 pm - 3:45 pm  
**Lecture**  
The David and Rosemary Adamson Lecture on Excellence in Reproductive Medicine: Do we practice evidence-based medicine? Endowed by Advanced Reproductive Care, Inc. and Rosemary and David Adamson, M.D.  
Johannes L.H. Evers, M.D., Ph.D., F.R.C.O.G.  

3:00 pm - 3:45 pm  
**Lecture**  
The Society of Reproductive Surgeons (SRS) Lecture: Assessing the Need and Deployment of Reproductive Surgical Expertise in Resource Poor Areas in Africa  
Endowed by a 1990 grant from Ethicon Endo-Surgery, Inc.  
Alfred Murage, M.D., F.R.C.O.G.  
Aga Khan University Hospital  

4:15 pm - 5:30 pm  
**Video Session 1**  

4:30 pm - 5:30 pm  
**Interactive Session**  
Panel Discussion - Classic Fertility Patient Support Strategies  
Nichole M. Barker, D.O. (Chair)  
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  
Seattle Reproductive Medicine  

4:30 pm - 5:30 pm  
**Interactive Session**  
Panel Discussion - Classic 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 Simon, M.D., Ph.D.  
University of Valencia: Igenomix Foundation-INCLIVA  

Preliminary Lectures will be translated simultaneously into Spanish and Mandarin Chinese for members of the audience.
4:30 pm - 5:30 pm  
Interactive Session  
Team-based Learning  
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 B. Lathi, M.D.  
Stanford Fertility and Reproductive Medicine Center  
Alleigh Boyd, M.S.  
Stanford University

4:30 pm - 5:30 pm  
Interactive Session  
Case Presentations - Expert Discussion  
Troubleshooting the Laboratory: Identifying Issues and Potential Areas of Risk  
Jason E. Swain, Ph.D. (Co-Chair)  
CCRM Fertility Network  
Kathryn J. Go, Ph.D. (Co-Chair)  
TMRW Life Sciences

4:30 pm - 5:30 pm  
Interactive Session  
Debate  
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)

4:30 pm - 5:30 pm  
Interactive Session  
Debate  
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  
Peter Holoch, M.D.  
University of Vermont Medical Center  
Svetlana Dambaeva, Ph.D.  
Rosalind Franklin University of Medicine and Science

TUESDAY, OCTOBER 20, 2020

6:30 am - 7:45 am  
Poster Abstract Session & Continental Breakfast

7:00 am - 8:00 am  
Women’s Council Breakfast

8:30 am - 8:30 am  
Lecture  
Pre-Plenary Special Lecture: Changing the Reproductive Rights Conversation  
Jessica Waters, J.D.  
American University

8:30 am - 9:15 am  
Plenary  
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

9:15 am - 10:00 am  
Plenary  
Hacking Darwin: Genetic Engineering and the Future of Healthcare, Assisted Reproduction, and Humanity  
Endowed by a 1990 grant from Astra-Zeneca  
Jamie Metzl, PhD, JD
## 2020 Scientific Congress Daily Schedule

**PLENARY LECTURES WILL BE TRANSLATED SIMULTANEOUSLY INTO SPANISH AND MANDARIN CHINESE FOR MEMBERS OF THE AUDIENCE**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:00 am - 10:45 am</td>
<td>Break</td>
</tr>
<tr>
<td>10:45 am - 12:15 pm</td>
<td>Scientific Congress Prize Paper Session 2</td>
</tr>
<tr>
<td>10:45 am - 12:15 pm</td>
<td>Interactive Session Video Case Studies</td>
</tr>
<tr>
<td>10:45 am - 12:15 pm</td>
<td>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 Kathleen O'Neill, M.D. Baylor University Medical Center Rebecca Flyckt, M.D. Cleveland Clinic Foundation</td>
</tr>
<tr>
<td>10:45 am - 12:15 pm</td>
<td>Oral Abstract Sessions</td>
</tr>
<tr>
<td>11:00 am - 12:00 pm</td>
<td>Clinical Session NPG Clinical Session: 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. ARNP Seattle Reproductive Medicine Lauren Nervi, N.P.-C. IVI-RMA Global</td>
</tr>
<tr>
<td>1:30 pm - 2:45 pm</td>
<td>Symposium 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</td>
</tr>
<tr>
<td>1:30 pm - 2:45 pm</td>
<td>Symposium Transgender Women: Gender Affirmation Surgery and Fertility Counseling Linnea 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</td>
</tr>
<tr>
<td>1:30 pm - 2:45 pm</td>
<td>Symposium 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</td>
</tr>
<tr>
<td>1:30 pm - 2:45 pm</td>
<td>Symposium Today’s Donor Egg Program: Keeping up with Technological Advances and the Legal Climate Mindy S. Christianson, MD (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</td>
</tr>
<tr>
<td>1:30 pm - 2:45 pm</td>
<td>Symposium Mapping of the Patient Journey: Marketing and Nurse Perspectives Alice D. Domar, Ph.D. (Chair) Boston IVF Griffin Jones, B.A. (Co-Chair) ASRM and ARM Member</td>
</tr>
<tr>
<td>1:30 pm - 2:45 pm</td>
<td>Symposium Challenges of Testicular Cancer Treatments Philip Pierorazio, M.D. (Chair) Johns Hopkins University Bloomberg School of Public Health Clare Turnbull Johns Hopkins School of Medicine</td>
</tr>
<tr>
<td>1:30 pm - 2:45 pm</td>
<td>Symposium Endometrial Factors: Optimizing Early Pregnancy Success in IVF Paul Robert Brezina, M.D. (Chair) William H. Kutteh, M.D., Ph.D. Lila A. Bernardi, M.D. Winifred Mak, M.D., Ph.D. (Chair) University of Texas Austin William H. Kutteh, M.D., Ph.D. Fertility Associates of Memphis Lila A. Bernardi, M.D. Northwestern University</td>
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<tr>
<td>1:30 pm - 2:45 pm</td>
<td>Symposium Paternal Age and Male Reproduction Stan Honig, M.D. Stanford University Michael L. Eisenberg, M.D. Julianne Zweifel, Ph.D. University of Wisconsin Mandy G. Katz-Jaffe, Ph.D. Colorado Center for Reproductive Medicine</td>
</tr>
</tbody>
</table>
1:30 pm - 2:45 pm
Symposium
Japan Society of Assisted Reproduction (JSAR) Symposium: Future Japanese ART Program
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

3:00 pm - 3:45 pm
Lecture
American Urological Association Bruce Stewart Memorial Lecture: Spermatogonial Stem Cells and Spermatogenesis in Mice, Monkeys, and Men: Fertility Preservation in Pre-pubertal Males
Supported by a grant from the American Urological Association
Kyle Orwig, Ph.D.
University of Pittsburgh School of Medicine

3:00 pm - 3:45 pm
Lecture
SSR Keynote Lecture
Humphrey Yao, Ph.D.
National Institute of Environmental Health Sciences

4:15 pm - 5:30 pm
Video Session 2

4:30 pm - 5:30 pm
Interactive Session
Case Presentations - Expert Discussion Advances and Breakthroughs in PGT-A
Carlos Simón, Ph.D. (Co-Chair)
Genomic Prediction
Nathan R. Treff, Ph.D., H.C.L.D. (Co-Chair)
Genomic Prediction

4:30 pm - 5:30 pm
Interactive Session
Panel Discussion - Classic 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, M.S.
Center for Assisted Reproductive Services, University of Connecticut School of Medicine

4:30 pm - 5:30 pm
Interactive Session
Team-based Learning 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

4:30 pm - 5:30 pm
Interactive Session
Debate
What We All Do, We Still Do Differently: The Continuing Debated Questions in the IVF Lab
Gerard Celia, Ph.D. (CoChair)
EVMS
Dean Morbeck, Ph.D., M.B.A., (CoChair)
Fertility Associates, Auckland

4:30 pm - 5:30 pm
Interactive Session
Team-based Learning 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

4:30 pm - 5:30 pm
Interactive Session
Panel Discussion - Expert Discussion Care for Transgender and Gender-Nonconforming Adolescents
Gylynthia Trotman, M.D., M.P.H. (Chair)
Mt. Sinai Hospital
Kenny Rodríguez-Wallberg, M.D., Ph.D.
Karolinska Institute

4:30 pm - 5:30 pm
Interactive Session
Panel Discussion - Jimmy Fallon 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)
Nurses’ Professional Group
Marianne Kreiner, B.A.
Shady Grove Fertility
Lindsay Nicholas, R.N.
IVI-RMA Global

4:30 pm - 5:30 pm
Interactive Session
Panel Discussion - Classic Benefits and Limitations of Time Lapse Imaging and AI in ART
T. Arthur Chang, Ph.D., H.C.L.D., E.L.D. (Co-Chair)
University of Texas Health Science Center
Eva Schenkman, M.S. (Co-Chair)
CCRM
Matthew David VerMilyea, Ph.D.
Ovation Fertility
<table>
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| 4:30 pm - 5:30 pm | Interactive Session  
Panel Discussion - Jimmy Fallon  
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 Piltonen, M.D.  
Oulu University Hospital, University of Oulu |
| 8:45 am - 9:15 am | ASRM Members' Meeting & Congress Prize Presentation |
| 9:15 am - 10:00 am | Plenary  
Improving access to reproductive medicine services in emerging countries  
Endowed by a 1992 grant from Wyeth Angelique Kanyange Rwiyereka, Ph.D. |
| 10:00 am - 10:45 am | Break |
| 10:45 am - 12:15 pm | Oral Abstract Sessions  
MHPG Clinical Session: Roe v Wade, Gestational Surrogacy, and the Future: Navigating Ethical and Clinical Issues in an Evolving Legal Landscape  
Erica Mindes (Chair)  
Covington & Hafkin and Associates  
Ariadna Cymet Lanski, Psy.D.  
Meryl Rosenberg, J.D.  
Private Practice  
Lauren Magalnick Berman, Ph.D.  
Fertility Psychology Center of Atlanta, LLC |
| 11:00 am - 12:15 pm | Clinical Session  
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.  
IVI-RMA Global |
| 12:15 pm - 1:15 pm | Break/Lunch |

**WEDNESDAY, OCTOBER 21, 2020**

<table>
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<tr>
<th>Time</th>
<th>Event</th>
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</thead>
<tbody>
<tr>
<td>6:30 am - 7:45 am</td>
<td>Poster Abstract Session &amp; Continental Breakfast</td>
</tr>
</tbody>
</table>
| 8:00 am - 8:45 am | Lecture  
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 |
| 12:15 pm - 1:15 pm | Expert Encounters |
| 12:15 pm - 1:15 pm | Roundtables |
| 12:30 pm - 2:00 pm | Resident Learning Session |
| 1:30 pm - 2:45 pm | Symposium  
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 (Chair)  
Michael Levy, M.D.  
Georgetown University |
| 1:30 pm - 2:45 pm | Symposium  
Parental Decisions about Disclosure in Donor-Assisted Reproduction: Where Does the Journey Lead after Parents Leave the Infertility Clinic?  
Patricia Hershberger, Ph.D., R.N., F.N.P., F.A.A.N. (Chair)  
University of Illinois at Chicago  
Martha Driessnack, Ph.D., R.N., P.P.C.N.P.-B.C. (Co-Chair)  
Oregon Health & Science University  
Lauri Pasch, Ph.D.  
University of California, San Francisco  
Susan Golombok  
University of Cambridge |
| 1:30 pm - 2:45 pm | Symposium  
Male Fertility Preservation in Unique Populations  
Jim Smith, M.D. (Chair)  
UCSF  
Akanksha Mehta, M.D., M.S.  
Emory University School of Medicine  
Robert E. Brannigan, M.D.  
Northwestern University |
### 1:30 pm - 2:45 pm
- **Symposium**
  - Caring for Sexual Minorities: Optimizing Care of Lesbian, Gay, and Transgender Patients
  - Mark Leondires, M.D. (Chair)
  - Reproductive Medicine Associates of Connecticut
  - Juno Obedin-Maler, M.D.
  - Stanford University
  - Trystan Reese, A.A.
  - Family Equality Council
  - Christina Robertson
  - Reproductive Medicine Associates of Connecticut

### 1:30 pm - 2:45 pm
- **Symposium**
  - Fertility Preservation in Women with Breast Cancer
  - 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

### 1:30 pm - 2:45 pm
- **Symposium**
  - When Ovaries Don’t Act Their Age: Primary Ovarian Insufficiency (POI)
  - Meghan Pierce, B.S.N. (Chair)
  - ARM
  - Elizabeth A. Grill, Psy.D.
  - Weill Cornell Medical Center
  - Alla Vash-Margita, M.D.
  - Yale University School of Medicine

### 1:30 pm - 2:45 pm
- **Symposium**
  - Culinary Medicine For Fertility
  - Audrey J. Gaskins, Sc.D.
  - Mind Body Nutrition, PLLC
  - Angela Claire Thyer, M.D.
  - Seattle Reproductive Medicine

### 1:30 pm - 2:45 pm
- **Symposium**
  - Interpreting PGT-A Results and Examining Mosaicism
  - Brad Milette, B.S., T.S.
  - Cengiz Cinnigolu, Ph.D. (Co-Chair)
  - Igenomix
  - Nicole Faulkner, Ph.D. (Co-Chair)
  - Invitae

### 3:00 pm - 3:45 pm
- **Lecture**
  - Contraception Keynote Lecture
  - Venous Thrombosis and Hormonal Contraception
  - Klaas Heinemann

### 3:00 pm - 3:45 pm
- **Lecture**
  - Menopause Keynote Lecture: The Genetic Influence on Menopause, Early Menopause and Primary Ovarian Insufficiency
  - Corrine Welt, M.D.
  - Northwestern University

### 3:45 pm - 4:45 pm
- **Interactive Session**
  - Panel Discussion - Classic Culture Media: Back to Basics
  - Eric J. Forman, M.D. (Co-Chair)
  - Columbia University
  - David Gardner, Ph.D. (Co-Chair)
  - School of BioSciences, University of Melbourne

### 3:45 pm - 4:45 pm
- **Interactive Session**
  - Panel Discussion - Jimmy Fallon My Patient Has a Mosaic Embryo | How Do I Handle This?
  - Paul Robert Brezina, M.D. (Chair)
  - Fertility Associates of Memphis
  - William G. Kearns, M.D., Ph.D.
  - Johns Hopkins University School of Medicine, Advagenix
  - Elias Dahdouh, M.D., F.R.C.S.C.
  - CHU Sainte-Justine

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  - Johns Hopkins University School of Medicine, Advagenix
  - Elias Dahdouh, M.D., F.R.C.S.C.
  - CHU Sainte-Justine

### 3:45 pm - 4:45 pm
- **Interactive Session**
  - Team-based Learning SART Reporting: "How to" Guide?
  - Kevin J. Doody, M.D. (Chair)
  - CARE Fertility
  - Ethan Wantman, M.B.A.
  - MBA Redshift Technologies, Inc.
  - Amy E. Sparks, Ph.D.
  - University of Iowa Center for Advanced Reproductive Care
3:45 pm - 4:45 pm
Interactive Session [CME]
Panel Discussion - Classic
How to Empower Patients with Genetic Information While Minimizing Burden on the IVF Clinic
Michelle Strecker, M.S., L.C.G.C. (Chair)
Invitae
Neha Kumar, Sc.M.
Invitae
Eden Haverfield, Ph.D., F.A.C.M.G.
Invitae
Serena H. Chen, M.D.
Division of Reproductive Medicine, IRMS at St Barnabas

3:45 pm - 4:45 pm
Interactive Session [CME]
Panel Discussion - Classic
A Novel Approach: New Research Methodologies to Identify Potential Patients
Marianne Kreiner, B.A. (Chair)
Shady Grove Fertility
Patty Stull, B.S.
Fertility Dynamics

3:45 pm - 4:45 pm
Interactive Session [CME]
Panel Discussion - Jimmy Fallon
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 Haim, J.D.
International Reproductive Law Group
Guy E. Ringler, M.D.

3:45 pm - 4:45 pm
Interactive Session [CME]
Panel Discussion - Classic
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
NEW OFFERINGS IN Education

AMERICAN SOCIETY FOR REPRODUCTIVE MEDICINE

Congress Highlights

qBoost
Add to what you know – on the go

ASRM Embryo Transfer Simulator
Certificate Course

Podcasts
COMING SOON
Specialty Track Pages
These at-a-glance content track pages are built around attendee special interests, so that groupings of course offerings according to content can easily be identified. Most of the content of the Scientific Congress addresses the interests of our REI and ART-focused attendees. Therefore, REI and ART content courses are not shown as separate tracks.

Access to Care Track

Monday, October 19

12:15 pm - 1:15 pm Roundtable Discussion
Infertility Care Among Veterans
Alicia Christy, M.D.
Veterans Administration

Tuesday, October 20

12:15 pm - 1:15 pm Roundtable Discussions
Expanding Fertility Benefits for Large Corporations
John Stormen, M.D.
Fertility Answers
Strategies for Increasing Enrollment of Women of Color into Research/Clinical Trials
Erica Marsh, M.D.
University of Michigan

4:30 pm - 5:30 pm Interactive Session
Team-based Learning
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

Wednesday, October 21

12:15 pm - 1:15 pm Roundtable Discussion
Matching Resources to Demands in a Managed Care Setting
Sami Jabara, M.D.
Kaiser Permanente

3:45 pm - 4:45 pm Interactive Session
Panel Discussion - Classic
Climate Change and Reproductive Health
Ruben J. Alvero, M.D. (Chair)
Stanford University
Alicia Y. Christy, M.D.
Veterans Administration
Feiby Nassan, Sc.D.
Stanford University

3:45 pm - 4:45 pm Interactive Session
Case Presentations - Expert Discussion
Successful Strategies for Increasing Access to Infertility Care
Richard Grazi, M.D.
Maimonides Medical Center
Jennifer E. Hirshfield-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
Assisted Reproductive Technology Lab Track

Monday, October 19

4:30 pm - 5:30 pm  Interactive Session  
Case Presentations - Expert Discussion  
Troubleshooting the Laboratory: Identifying Issues and Potential Areas of Risk  
Jason E. Swain, Ph.D. (Co-Chair)  
CCRM Fertility Network  
Kathryn J. Go, Ph.D. (Co-Chair)  
TMRW Life Sciences

Tuesday, October 20

4:30 pm - 5:30 pm  Interactive Sessions  
Panel Discussion - Classic  
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, M.S.  
Center for Assisted Reproductive Services, University of Connecticut School of Medicine

Wednesday, October 21

3:45 pm - 4:45 pm  Interactive Session  
Panel Discussion - Classic  
Culture Media: Back to Basics  
Eric J. Forman, M.D. (Co-Chair)  
Columbia University  
David Gardner, Ph.D. (Co-Chair)  
School of BioSciences, University of Melbourne
Assisted Reproductive Technology

Monday, October 19

11:00 am - 12:00 pm Clinical Session
MHPG Clinical Session: Perinatal Mental Health: What Happens After Assisted Reproduction?
Teni Davoudian, Ph.D. (Chair)
Private Practice
Ariadna Cyment Lansi, Psy.D.
Laura S Covington, Ph.D., L.C.S.W.
Shady Grove Fertility

1:30 pm - 2:45 pm 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)
Zuping He, Ph.D.
Geert Hamer, Ph.D.

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 Toth, M.D.
Boston IVF

Tuesday, October 20

12:15 pm - 1:15 pm Roundtable Discussions
IVF Stimulation Protocols for the Poor Responder
Katherine McKnight, M.D.
Houston IVF

New Lab Set up? Is Newer Better?
Barry Behr, Ph.D.
Stanford Fertility and Reproductive Medicine Center

1:30 pm - 2:45 pm Symposium
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.
Kutlu 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
Assisted Reproductive Technology

Tuesday, October 20

4:30 pm - 5:30 pm Interactive Sessions
Case Presentations - Expert Discussion
Advances and Breakthroughs in PGT-A
Carlos Simón, Ph.D. (Co-Chair)
Genomic Prediction
Nathan R. Treff, Ph.D., H.C.L.D. (Co-Chair)
Genomic Prediction

Panel Discussion - Classic
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, M.S.
Center for Assisted Reproductive Services, University of Connecticut School of Medicine

Wednesday, October 21

12:15 pm - 1:15 pm Roundtable Discussions
Managing Recurrent Implantation Failure
Jason Franasiak, M.D.
IVI-RMA New Jersey

Pearls for Transgender Care
Molly Moravek, M.D., M.P.H.
Reproductive Endocrinology and Infertility, University of Michigan

IVF Add-ons: Patient Driven or Financially Motivated
Matthew VerMilyea, Ph.D.
Ovation Fertility

1:30 pm - 2:45 pm Symposium
The ABOG Foundation - Kenneth J. Ryan Ethics Symposium: Dilemmas in Gamete Donation: Honoring Prior Promises in an Era of Vanishing Anonymity
Vardit Ravitsky (Chair)
Michael Levy, M.D.
Georgetown University

3:45 pm - 4:45 pm Interactive Sessions
Panel Discussion - Classic
Benefits and Limitations of Time Lapse Imaging and AI in ART
T. Arthur Chang, Ph.D., H.C.L.D., E.L.D. (Co-Chair)
University of Texas Health Science Center
Eva Schenkman, M.S. (Co-Chair)
CCRM
Matthew David VerMilyea, Ph.D.
Ovation Fertility
Contraception Track

Monday, October 19

12:15 pm - 1:15 pm Roundtable Discussion
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.

1:30 pm - 2:45 pm 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 Samuelson-Bannow, M.D.
Oregon Health and Science University
Antoinette Nguyen, M.D. M.P.H. (Co-Chair)
Centers for Disease Control and Prevention

Tuesday, October 20

4:30 pm - 5:30 pm Interactive Session
Panel Discussion - Classic
Complex Family Planning Fellows Showcase: Frontiers of Contraceptive Research
Leo Han (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

Wednesday, October 21

3:00 pm - 3:45 pm Lecture
Contraception Keynote Lecture
Venous Thrombosis and Hormonal Contraception
Klaas Heinemann
Ethics, Legal, & Mental Health Track

Monday, October 19

11:00 am - 12:00 pm  Clinical Session
MHPG Clinical Session: Perinatal Mental Health: What Happens After Assisted Reproduction?
Teni Davoudian, Ph.D. (Chair)
Private Practice
Ariadna Cymet Lanski, Psy.D.
Laura S Covington, Ph.D., L.C.S.W.
Shady Grove Fertility

 Brandon Bankowski, M.D.
Penn State University
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 Toth, M.D.
Boston IVF

12:15 pm - 1:15 pm Roundtable Discussions
Evaluation and Management of Thin Endometrium
Kundan Ingale M.B.B.S., D.G.O., D.N.B.
Nirmiti Clinic, Center for Assisted Reproduction

Reacting to Clinic Mishaps: Collaborating on Legislative Responses
Margaret Swain, J.D., R.N.
Law offices of Margaret Swain

When the Divorce Isn’t Final: When Patients Arrive with a New “Partner.”
Lisa Rinehart, R.N., J.D.
Legal Care Consulting

1:30 pm - 2:45 pm  Symposia
Cultural Considerations in International Surrogacy Arrangements
Mary P. Riddle, Ph.D. (Chair)
Penn State University
Meryl Rosenberg, J.D.
Private Practice

Brandon Bankowski, M.D.
Penn State University

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 Toth, M.D.
Boston IVF

AE-PCOS Society Symposium: Impact of Lifestyle Intervention on Health Outcomes in Polycystic Ovary Syndrome
Maria E. Lujan, M.Sc., Ph.D. (Chair)
Cornell University
Wendy Vitek, M.D. (Speaker)
University of Rochester
Anuja Dokras, M.D., Ph.D.
University of Pennsylvania Perelman School of Medicine

4:30 pm - 5:30 pm  Clinical Session
MHPG Clinical Session: I Have a Question I Want to Answer. Now What Do I Do?
Sarah Holley, Ph.D. (Chair)
Univ of California, San Francisco
Ariadna Cymet Lanski, Psy.D.

Tuesday, October 20

12:15 pm - 1:15 pm Roundtable Discussions
Promoting Resilience and Posttraumatic Growth with Infertility Patients
Amelia Swanson, Ph.D.
Northwestern University

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

Legal and Ethical Issues Involved in Fertility Preservation for Minors
Shoshana Kunin-Leavitt, J.D.
Private Practice

1:30 pm - 2:45 pm  Symposium
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

4:30 pm - 5:30 pm  Clinical Session
MHPG Clinical Session: Ethical Considerations for Psychological Testing in Third-Party Evaluations
Mary P. Riddle, Ph.D. (Chair)
Penn State University
Ariadna Cymet Lanski, Psy.D.
Claudia Pascale, Ph.D.
Institute for Reproductive Medicine and Science at Saint Barnabas
Ethics, Legal, & Mental Health Track

Wednesday, October 21

11:00 am - 12:00 pm Clinical Session
MHPG Clinical Session: Roe v Wade, Gestational Surrogacy, and the Future: Navigating Ethical and Clinical Issues in an Evolving Legal Landscape
Erica Mindes (Chair)
Covington & Hafkin and Associates
Ariadna Cymet Lanski, Psy.D.
Meryl Rosenberg, J.D.
Private Practice
Lauren Magalnick Berman, Ph.D.
Fertility Psychology Center of Atlanta, LLC

12:15 pm - 1:15 pm Roundtable Discussions
Legal Issues in Posthumous Gamete Use and Parentage
Judith Hoechst, J.D.
Private Practice
Managing Legal and Ethics Conflicts Between IPs During a Gestational Carrier Pregnancy
Meryl Rosenberg, J.D.
Private Practice
2020’s Choice Mothers
Madeleine Katz, Psy.D.
Independent Practice
Psychological Counseling and Managing of High Risk Pregnancies of Gestational Carriers and the Intended Parents
Hilary Hanafin, Ph.D.
Independent Practice

1:30 pm - 2:45 pm Symposia
The ABOG Foundation - Kenneth J. Ryan
Ethics Symposium: Dilemmas in Gamete Donation: Honoring Prior Promises in an Era of Vanishing Anonymity
Vardit Ravitsky (Chair)
Michael Levy, M.D.
Georgetown University
Parental Decisions about Disclosure in Donor-Assisted Reproduction: Where Does the Journey Lead after Parents Leave the Infertility Clinic?
Patricia Hershberger, Ph.D., R.N., F.N.P., F.A.A.N. (Chair)
University of Illinois at Chicago
Martha Driessnack, Ph.D., R.N., P.P.C.N.P.-B.C. (Co-Chair)
Oregon Health & Science University
Lauri Pasch, Ph.D.
University of California, San Francisco
Susan Golombok
University of Cambridge

When Ovaries Don’t Act Their Age: Primary Ovarian Insufficiency (POI)
Meghan Pierce, B.S.N. (Chair)
ARM
Elizabeth A. Grill, Psy.D.
Weill Cornell Medical Center
Alla Vash-Margita, M.D.
Yale University School of Medicine

3:45 pm - 4:45 pm Interactive Session
Panel Discussion - Jimmy Fallon
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.
Genetics Track

**Monday, October 19**

12:15 pm - 1:15 pm Roundtable Discussions

**Male Factor Infertility: Genetic Risks and Considerations in IVF**
Lauren Garrett, M.S., C.G.C.
Pacific Northwest Fertility

**PGT for Late Onset Disorders**
Svetlana Rechitsky, Ph.D.
1954

**Cost Effectiveness of PGT-A**
Eric Forman, M.D.
Columbia University

**Status of Comprehensive PGT**
Dagan Wells, Ph.D.
IVI RMA

1:30 pm - 2:45 pm Symposia

**Expanding Indications for Preimplantation Genetic Testing (PGT) Impact on ART Practices**
Joe Leigh Simpson, M.D.
Florida International University
Svetlana Rechitsky, Ph.D.
Reproductive Genetic Innovations
Semra Kahraman, Prof.
Istanbul Memorial Hospital

**Examining Genetic Risk for Gamete Donors: Current Approaches to Family History and Carrier Screening**
Tamara Tobias, ARNP (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

4:30 pm - 5:30 pm Interactive Session

**Team-based Learning**

**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 B. Lathi, M.D.
Stanford Fertility and Reproductive Medicine Center
Alleigh Boyd, M.S.
Stanford University

**Tuesday, October 20**

12:15 pm - 1:15 pm Roundtable Discussions

**Ethical Considerations for PGT-A and PGT-M**
Elena Burnett, M.S., C.G.C.
Oregon Health and Science University

**Outcome of Transfer of Embryos with Mosaicism**
David Cram, Ph.D.
Berrygenomics, Beijing, China

**Present Status of Non-Invasive PGT**
Carmen Rubio, Ph.D.
Igenomix Spain

**Sub-chromosomal Variation in PGT-A**
Mandy Katz-Jaffe, Ph.D.
Colorado Center for Reproductive Medicine

4:30 pm - 5:30 pm Interactive Session

**Case Presentations - Expert Discussion**

**Advances and Breakthroughs in PGT-A**
Carlos Simón, Ph.D. (Co-Chair)
Genomic Prediction
Nathan R. Treff, Ph.D., H.C.L.D. (Co-Chair)
Genomic Prediction
Genetics Track

Wednesday, October 21

12:15 pm - 1:15 pm Roundtable Discussions
Interest Group  Mosaicism for Nurses
Jamie Dokson, M.S., C.G.C.
Navigate Genetic Counseling, LLC

Pinpointing Genes Involved in Severe Infertility
Semra Kahraman, Prof
Istanbul Memorial Hospital

Expanding Carrier Screening: Impact on PGT-M Uptake
Joe Leigh Simpson, M.D.
Florida International University

1:30 pm - 2:45 pm Symposium
Interpreting PGT-A Results and Examining Mosaicism
Brad Milete, B.S., T.S.
Cengiz Cinnioglu, Ph.D. (Co-Chair)
Igenomix
Nicole Faulkner, Ph.D. (Co-Chair)
Invitae

3:45 pm - 4:45 pm Interactive Sessions
Panel Discussion - Classic Culture Media: Back to Basics
Eric J. Forman, M.D. (Co-Chair)
Columbia University
David Gardner, Ph.D. (Co-Chair)
School of BioSciences, University of Melbourne

Panel Discussion - Classic How to Empower Patients with Genetic Information While Minimizing Burden on the IVF Clinic
Michelle Strecker, M.S., L.C.G.C. (Chair)
Invitae
Neha Kumar, Sc.M.
Invitae
Eden Haverfield, Ph.D., F.A.C.M.G.
Invitae
Serena H. Chen, M.D.
Division of Reproductive Medicine, IRMS at St Barnabas
LGBTQ Track

Monday, October 19

12:15 pm - 1:15 pm Roundtable Discussion
Stimulation of Trans Men: Protocols and Outcomes
Marjorie Dixon, M.D.
Anova Fertility and Reproductive Health

Tuesday, October 20

1:30 pm - 2:45 pm Symposium
Transgender Women: Gender Affirmation Surgery and Fertility Counseling
Linnea 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

Wednesday, October 21

12:15 pm - 1:15 pm Roundtable Discussion
My Personal Journey to Fatherhood as a Trans Man
Trystan Reese, A.A.
Family Equality Council

1:30 pm - 2:45 pm Symposium
Caring for Sexual Minorities: Optimizing Care of Lesbian, Gay, and Transgender Patients
Mark Leondires, M.D. (Chair)
Reproductive Medicine Associates of Connecticut
Juno Obedin-Maler, M.D.
Stanford University
Trystan Reese, A.A.
Family Equality Council
Christina Robertson
Reproductive Medicine Associates of Connecticut

3:45 pm - 4:45 pm Interactive Session
Panel Discussion - Jimmy Fallon
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.
Male Reproduction Track

Monday, October 19

12:15 pm - 1:15 pm Roundtable Discussions
Ejaculated vs Testes Sperm in Complicated IVF Cases: Case Presentations and Discussion
Keith Jarvi, M.D.
University of Toronto, School of Medicine

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

4:30 pm - 5:30 pm Interactive Sessions
Debate
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)

Debate
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

Tuesday, October 20

12:15 pm - 1:15 pm Roundtable Discussions
Teaching Models for Male Reproduction and Vasectomy
Jared Bienie, M.D.
Hartford Health Care

Status of Sophisticated Sperm Function Testing? What Tests Should I Use?
Ryan Smith, M.D.
University of Virginia

Sperm Cryopreservation in the Transgender Population
James Hotaling, M.D.
University of Utah School of Medicine Andrology and IVF Laboratories

1:30 pm - 2:45 pm Symposium
Challenges of Testicular Cancer Treatments
Phillip Pierorazio, M.D. (Chair)
Clare Turnbull

1:30 pm - 2:45 pm Symposium
Paternal Age and Male Reproduction
Stan Honig, M.D.
Stanford University
Michael L. Eisenberg, M.D.
Julianne Zweifel, Ph.D.
University of Wisconsin
Mandy G. Katz-Jaffe, Ph.D.
Colorado Center for Reproductive Medicine

3:00 pm - 3:45 pm Lecture
American Urological Association
Bruce Stewart Memorial Lecture: Spermatogonial Stem Cells and Spermatogenesis in Mice, Monkeys, and Men: Fertility Preservation in Pre-pubertal Males
Supported by a grant from the American Urological Association
Kyle Orwig, Ph.D.
University of Pittsburgh School of Medicine
Male Reproduction Track

Tuesday, October 20

4:30 pm - 5:30 pm Interactive Session
Panel Discussion - Classic
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, M.S.
Center for Assisted Reproductive Services, University of Connecticut School of Medicine

Wednesday, October 21

12:15 pm - 1:15 pm Roundtable Discussions
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
Micro TESE: Fresh or Frozen?
Pro and Con Arguments
Kathleen Hwang, M.D.
University Pittsburgh, Urology
Menopause and Primary Ovarian Insufficiency (POI) Track

Monday, October 19

12:15 pm - 1:15 pm Roundtable Discussion
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

1:30 pm - 2:45 pm 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 Samuelson-Bannow, M.D.
Oregon Health and Science University
Antoinette Nguyen, M.D. M.P.H. (Co-Chair)
Centers for Disease Control and Prevention

Wednesday, October 21

3:00 pm - 3:45 pm Lecture
Menopause Keynote Lecture: The Genetic Influence on Menopause, Early Menopause and Primary Ovarian Insufficiency
Corrine Welt, M.D.
Northwestern University
Professional & Practice Development Track

Monday, October 19

8:30 am - 9:15 am Plenary CME
President’s Guest Lecture: Cultivating Collaboration in Reproductive Medicine
Jim Tamm

9:15 am - 10:00 am Plenary CME
Changing the Reproductive Rights Conversation
Jessica Waters, J.D.
American University

12:15 pm - 1:15 pm Roundtable Discussions
Clinic Expansion - the decision to build or not to build.
Linsey McBain, B.A.
ARM

Management Burnout
Colin Thomas, M.B.A.
ARM

Finances of the Academician in the REI Field
William Catherino M.D., Ph.D.
Uniformed Services University of the Health Sciences

1:30 pm - 2:45 pm Symposia 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 Toth, M.D.
Boston IVF

Examining Genetic Risk for Gamete Donors: Current Approaches to Family History and Carrier Screening
Tamara Tobias, ARNP (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

Tuesday, October 20

12:15 pm - 1:15 pm Roundtable Discussion CME
HR Staff, Engagement and Culture Scores
Sara Mooney, B.A.
ARM

1:30 pm - 2:45 pm Symposium CME
Mapping of the Patient Journey: Marketing and Nurse Perspectives
Alice D. Domar, Ph.D. (Chair)
Griffin Jones, B.A. (Co-Chair)

4:30 pm - 5:30 pm Interactive Sessions CME
Panel Discussion - Jimmy Fallon
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)
Nurses’ Professional Group
Marianne Kreiner, B.A.
Shady Grove Fertility
Lindsay Nicholas, R.N.
IVI-RMA Global

Panel Discussion - Classic
Benefits and Limitations of Time Lapse Imaging and AI in ART
T. Arthur Chang, Ph.D., H.C.L.D., E.L.D. (Co-Chair)
University of Texas Health Science Center
Eva Schenkman, M.S. (Co-Chair)
CCRM
Matthew David VerMilyea, Ph.D.
Ovation Fertility
12:15 pm - 1:15 pm Roundtable Discussion
Revenue Cycle Management
Meryl Arenstein, B.A.
IVI New Jersey

3:45 pm - 4:45 pm Interactive Sessions
Team-based Learning
SART Reporting: "How to" Guide?
Kevin J. Doody, M.D. (Chair)
CARE Fertility
Ethan Wantman, M.B.A.
MBA Redshift Technologies, Inc.
Amy E. Sparks, Ph.D.
University of Iowa Center for Advanced Reproductive Care

Panel Discussion - Classic
How to Empower Patients with Genetic Information While Minimizing Burden on the IVF Clinic
Michelle Strecker, M.S., L.C.G.C. (Chair)
Invitae
Neha Kumar, Sc.M.
Invitae
Eden Haverfield, Ph.D., F.A.C.M.G.
Invitae
Serena H. Chen, M.D.
Division of Reproductive Medicine, IRMS at St Barnabas

Panel Discussion - Classic
A Novel Approach: New Research Methodologies to Identify Potential Patients
Marianne Kreiner, B.A. (Chair)
Shady Grove Fertility
Patty Stull, B.S.
Fertility Dynamics
Reproductive Managers Track

Monday, October 19

8:30 am - 9:15 am Plenary
President’s Guest Lecture: Cultivating Collaboration in Reproductive Medicine
Jim Tamm

9:15 am - 10:00 am Plenary
Changing the Reproductive Rights Conversation
Jessica Waters, J.D.
American University

12:15 pm - 1:15 pm Roundtable Discussions
Clinic Expansion - the decision to build or not to build.
Linsey McBain, B.A.
ARM

Management Burnout
Colin Thomas, M.B.A.
ARM

4:30 pm - 5:30 pm Interactive Session
Case Presentations - Expert Discussion
Troubleshooting the Laboratory: Identifying Issues and Potential Areas of Risk
Jason E. Swain, Ph.D. (Co-Chair)
CCRM Fertility Network
Kathryn J. Go, Ph.D. (Co-Chair)
TMRW Life Sciences

Tuesday, October 20

12:15 pm - 1:15 pm Roundtable Discussion
HR Staff, Engagement and Culture Scores
Sara Mooney, B.A.
ARM

1:30 pm - 2:45 pm Symposium
Mapping of the Patient Journey: Marketing and Nurse Perspectives
Alice D. Domar, Ph.D. (Chair)
Griffin Jones, B.A. (Co-Chair)

4:30 pm - 5:30 pm Interactive Session
Panel Discussion - Jimmy Fallon 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)
Nurses’ Professional Group
Marianne Kreiner, B.A.
Shady Grove Fertility
Lindsay Nicholas, R.N.
IVI-RMA Global

Wednesday, October 21

12:15 pm - 1:15 pm Roundtable Discussion
Revenue Cycle Management
Meryl Arenstein, B.A.
IVI New Jersey

3:45 pm - 4:45 pm Interactive Sessions
Team-based Learning
SART Reporting: “How to” Guide?
Kevin J. Doody, M.D. (Chair)
Ethan Wantman, M.B.A.
Amy E. Sparks, Ph.D.

Panel Discussion - Classic
A Novel Approach: New Research Methodologies to Identify Potential Patients
Marianne Kreiner, B.A. (Chair)
Shady Grove Fertility
Patty Stull, B.S.
Fertility Dynamics
Fertility Preservation Track

**Monday, October 19**

1:30 pm - 2:45 pm 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.

1:30 pm - 2:45 pm Symposium
Transgender Women: Gender Affirmation Surgery and Fertility Counseling
Linnea 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

Surviving Cancer: Optimizing Reproductive Health in Adolescent and Young Adult Survivorship
Leslie Coker Appiah, M.D. (Chair)
Krista Childress, M.D.
Jacqueline Yano Maher, M.D., M.A.

**Tuesday, October 20**

1:30 pm - 2:45 pm Symposium
Male Fertility Preservation in Unique Populations
Jim Smith, M.D. (Chair)
Akanksha Mehta, M.D., M.S.
Robert E. Brannigan, M.D.

Caring for Sexual Minorities: Optimizing Care of Lesbian, Gay, and Transgender Patients
Mark Leondires, M.D. (Chair)
Reproductive Medicine Associates of Connecticut
Juno Obedin-Maler, M.D.
Stanford University
Trystan Reese, A.A.
Family Equality Council
Christina Robertson
Reproductive Medicine Associates of Connecticut

Fertility Preservation in Women with Breast Cancer
Aylin P. Cil, M.D. (Chair)
Volkan Turan, M.D.
Erica T. Wang, M.D., M.A.S.

**Wednesday, October 21**

1:30 pm - 2:45 pm Symposium
Fertility Preservation in Women with Breast Cancer
Aylin P. Cil, M.D. (Chair)
Volkan Turan, M.D.
Erica T. Wang, M.D., M.A.S.
Reproductive Surgery Track

Wednesday, October 21

12:15 pm - 1:15 pm Roundtable Discussions
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
Innovative Therapies, Including Stem Cell Treatments, in Asherman's Syndrome
Scott Chudnoff MD, M.Sc.
Stamford Hospital
Hydrosalpinx: Excise or Repair?
Jeffrey Goldberg, M.D.
Cleveland Clinic Foundation

1:30 pm - 2:45 pm 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.
Parryscope Fertility

4:30 pm - 5:30 pm Interactive Session
Debate
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)

Tuesday, October 20

12:15 pm - 1:15 pm Roundtable Discussions
Surgical Fertility Preservation – Ovarian Transposition, Uterine Transposition, and Ovarian Tissue Harvesting
Mindy Christianson, M.D.
John Hopkins University School of Medicine
Uterine Anomalies Amenable to Surgical Correction
Marc Laufer, M.D.
Boston Children’s Hospital and Boston Center for Endometriosis

1:30 pm - 2:45 pm Symposium
Transgender Women: Gender Affirmation Surgery and Fertility Counseling
Linnea 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

Wednesday, October 21

12:15 pm - 1:15 pm Roundtable Discussion
Minimizing Blood Loss during Myomectomy: Tips and Tricks
David Lee, M.D.
Oregon Health & Science University
Imaging Track

Monday, October 19

1:30 pm - 2:30 pm Clinical Session
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

Tuesday, October 20

11:00 am - 12:00 pm Clinical Session
NPG Clinical Session: 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
Lauren Nervi, N.P.-C.
IVI-RMA Global
Tamara Tobias, A.R.N.P.
Seattle Reproductive Medicine

12:15 pm - 1:15 pm Roundtable Discussion
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

1:30 pm - 2:45 pm Symposium
Japan Society of Assisted Reproduction (JSAR) Symposium: Future Japanese ART Program
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

4:30 pm - 5:30 pm Interactive Session
Panel Discussion - Classic Benefits and Limitations of Time Lapse Imaging and AI in ART
T. Arthur Chang, Ph.D., H.C.L.D., E.L.D. (Co-Chair)
University of Texas Health Science Center
Eva Schenkman, M.S. (Co-Chair)
CCRM
Matthew David VerMilyea, Ph.D.
Ovation Fertility

Wednesday, October 21

11:00 am - 12:00 pm Clinical Session
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

12:15 pm - 1:15 pm Roundtable Discussion
Endometrial Receptivity: The Importance of 3-D Ultrasound and Doppler Blood Flow in IVF Cycles
Laurel Stadtmauer, M.D., Ph.D.
Jones Institute
Polycystic Ovary Syndrome (PCOS) Track

Monday, October 19

12:15 pm - 1:15 pm Roundtable Discussions
PCOS and Infertility: When Standard Ovulation Induction Fails
Carolina Sueldo, M.D.
Assistant Professor OB-GYN, UCSF-Fresno

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

Walk Fast, Eat Slow: Evidence-Based Lifestyle Tips for PCOS
Angela Thyer, M.D.
Seattle Reproductive Medicine

1:30 pm - 2:45 pm Symposium
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. (Speaker)
University of Rochester
Anuja Dokras, M.D., Ph.D.
University of Pennsylvania Perelman School of Medicine

Tuesday, October 20

12:15 pm - 1:15 pm Roundtable Discussion
Ultrasound Evaluation of Polycystic Ovary Syndrome.
Marla Lujan, M.Sc., Ph.D.
Cornell University

Wednesday, October 21

12:15 pm - 1:15 pm Roundtable Discussion
Infertility Management in Polycystic Ovary Syndrome
Daniel Dumesic, M.D.
UCLA

1:30 pm - 2:45 pm Symposia
Culinary Medicine For Fertility
Audrey J. Gaskins, Sc.D.
Judy Simon, M.S., R.D.N., C.D., C.H.E.S., FA.N.D.
Angela Claire Thyer, M.D.

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

3:45 pm - 4:45 pm Interactive Session
Panel Discussion - Classic 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
**Nursing Track**

**Monday, October 19**

**12:15 pm - 1:15 pm Roundtable Discussions**

**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

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

Sarah Matthies, R.N.

Seattle Reproductive Medicine

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**1:30 pm - 2:30 pm Clinical Session**

**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

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**4:30 pm - 5:30 pm Interactive Session**

**CME**

Case Presentations - Expert Discussion

**Troubleshooting the Laboratory: Identifying Issues and Potential Areas of Risk**

Jason E. Swain, Ph.D. (Co-Chair)

CCRM Fertility Network

Kathryn J. Go, Ph.D. (Co-Chair)

TMRW Life Sciences

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**Tuesday, October 20**

**11:00 am - 12:00 pm Clinical Session**

**CME**

**NPG Clinical Session: 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

Lauren Nervi, N.P.-C.

IVI-RMA Global

Tamara Tobias, A.R.N.P.

Seattle Reproductive Medicine

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**12:15 pm - 1:15 pm Roundtable Discussion**

**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

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**1:30 pm - 2:45 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

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**4:30 pm - 5:30 pm Interactive Session**

**CME**

Panel Discussion - Jimmy Fallon 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)

Nurses’ Professional Group

Marianne Kreiner, B.A.

Shady Grove Fertility

Lindsay Nicholas, R.N.

IVI-RMA Global
Nursing Track

Wednesday, October 21

11:00 am - 12:00 pm  Clinical Session
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

12:15 pm - 1:15 pm Roundtable Discussion
A Lead Nurse’s Perspective on Balancing Patient Care with Office Management Responsibilities
Christine Pierman B.S.N., R.N.
IVI-RMA
Early Pregnancy
RTM07
Chronic Endometritis and Early Pregnancy Failure
Lia Bernardi, M.D.
Northwestern

Endometriosis
RTM08
The Potential Utility of miRNAs as Biomarkers for Endometriosis
Warren Nothnick, Ph.D.
Kansas University Medical Center

Environment and Reproduction
RTM09
Environmental Contaminants in Food
Jorge Chavarro, M.D., Sc.D.
Harvard School of Public Health

Fertility Preservation
RTM10
New Technologies in Fertility Preservation and Biobanking
Pasquale Patrizio, M.D.
Yale Fertility Center

Fibroids
RTM11
Comparison of Ablative versus Extrabody Fibroid Treatments
Scott Chudnoff, M.D., M.Sc.
Stamford Hospital

Genetic Counseling
RTM12
Male Factor Infertility: Genetic Risks and Considerations in IVF
Lauren Garrett, M.S.; C.G.C.
Pacific Northwest Fertility

Health Disparities
RTM13
Infertility Care Among Veterans
Alicia Christy, M.D.
Veterans Administration

Indian Reproductive Medicine
RTM14
Evaluation and Management of Thin Endometrium
Kundan Ingale, M.B.B.S., D.G.O., D.N.B.
Nirmil Clinic, Center for Assisted Reproduction

Legal
RTM15
Reacting to Clinic Mishaps: Collaborating on Legislative Responses
Margaret Swain, J.D., R.N.
Law offices of Margaret Swain

RTM16
When the Divorce Isn’t Final: When Patients Arrive with a New “Partner.”
Lisa Rinehart, R.N., J.D.
Legal Care Consulting

LGBTQ
RTM17
Stimulation of Trans Men: Protocols and Outcomes
Marjorie Dixon, M.D.
Anova Fertility and Reproductive Health

Menopause and Ovarian Insufficiency
RTM18
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
Mental Health
RTM19
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

RTM20
Too Old, Too Fat, Too Broken: Addressing Infertile Women’s Damaged Self-Concept
Silvia Schneider Fox, Psy.D.
Independent Practice

Nurses
RTM21
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

RTM22
Starting Off on the Right Foot: Successful Onboarding to Improve Nurse Retention
Sarah Matthies, R.N.
Seattle Reproductive Medicine

Nutrition
RTM23
Walk Fast, Eat Slow: Evidence-Based Lifestyle Tips for PCOS
Angela Thyer, M.D.
Seattle Reproductive Medicine

Pediatric and Adolescent Gynecology
RTM24
Hypothalamic Amenorrhea in the Adolescent
Benji Mills, M.D.
Prisma Health

Physician-Scientists
RTM25
Finances of the Academician in the REI Field
William Catherino M.D., Ph.D.
Uniformed Services University of the Health Sciences

Preimplantation Genetic Testing
RTM26
PGT for Late Onset Disorders
Svetlana Rechitsky, Ph.D.
1954

RTM27
Cost Effectiveness of PGT-A
Eric Forman, M.D.
Columbia University

RTM28
Status of Comprehensive PGT
Dagan Wells, Ph.D.
IVI RMA

Regenerative Medicine and Stem Cell Biology
RTM29
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
RTM30
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
RTM31
What Can We Learn from SARTCORS and the New Clinic Summary Report/National Summary Report?
David McCulloh, Ph.D.
NYU Langone Prelude Fertility Center

RTM32
Embryo Storage Options: Onsite vs Offsite?
Jason Swain, Ph.D.
CCRM Fertility Network

RTM33
Egg freezing Success Rates: Perceptions vs Reality
Jennifer Mersereau, M.D.
UNC Fertility

Male Reproduction and Urology
RTM34
Ejaculated vs Testes Sperm in Complicated IVF Cases: Case Presentations and Discussion
Keith Jarvi, M.D.
University of Toronto, School of Medicine

RTM35
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
RTM36
Is Plant-Based Eating a Game Changer for Infertility
Lauren Case, M.D.
Shady Grove

RTM37
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

RTM38
How to Effectively Use Invocell in Your Practice
Winifred Mak, M.D., Ph.D.
University of Texas Austin
Reproductive Biology and Technology

RTM39
Management of a Hormone Laboratory as Part of an IVF Laboratory
Sangita Jindal, Ph.D.
Albert Einstein College of Medicine/Montefiore Medical Center

RTM40
Use of Artificial Intelligence in the ART Laboratory
Charles Bormann, Ph.D.
Massachusetts General Hospital, Harvard Medical School

RTM41
PGT Technologies: How to Know What Is Safe and Effective For Your Patients
Amy Jones, M.S.
Ovation Fertility

Reproductive Surgery

RTM42
Surgery for Endometriosis – When to Operate and When to Go Straight to IVF
Joseph Sanfilippo, M.D., M.B.A.
University of Pittsburgh

RTM43
Innovative Therapies, Including Stem Cell Treatments, in Asherman’s Syndrome
Scott Chudnoff MD, M.Sc.
Stamford Hospital

RTM44
Hydrosalpinx: Excise or Repair?
Jeffrey Goldberg, M.D.
Cleveland Clinic Foundation

Turkish Reproductive Medicine

RTM45
Management of Difficult IVF Cases
Murat Sonmez M.D., professor
Ankara University School of Medicine

TUESDAY, OCTOBER 20, 2020

Access to Care

RTT01
Expanding Fertility Benefits for Large Corporations
John Stormen, M.D.
Fertility Answers

AMMR

RTT02
How We Can to Improve the Success of Embryo Transfer in Recurrent Implantation Loss
Gabriela Garcia-Jimenez, M.D.
Unilive

Androgen Excess

RTT03
Ultrasound Evaluation of Polycystic Ovary Syndrome.
Maria Lujan, M.Sc., Ph.D.
Cornell University

Reproductive Managers

RTT04
HR Staff, Engagement and Culture Scores
Sara Mooney, B.A.
ARM

Early Pregnancy

RTT05
Navigating the Maze of Recurrent Pregnancy Loss
Nichole Barker, D.O.
Seattle Reproductive Medicine - Tacoma

Education

RTT06
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

RTT07
Experimental Evidence Linking Environmental Exposures to the Risk of Adenomyosis
Kaylon Bruner-Tran, Ph.D.
Vanderbilt University

Environment and Reproduction

RTT08
Air Pollution and Fertility
Audrey Gaskins, Sc.D.
Emory University

Fibroids

RTT09
Medical Treatment for Uterine Fibroids- Something Old, Something New
Gloria Richard-Davis, M.D.
UPDATE

Genetic Counseling

RTT10
Ethical Considerations for PGT-A and PGT-M
Elena Burnett, M.S., C.G.C.
Oregon Health and Science University

Health Disparities

RTT11
Strategies for Increasing Enrollment of Women of Color into Research/ Clinical Trials
Erica Marsh, M.D.
University of Michigan
Imaging in Reproductive Medicine
RTT12
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
RTT13
Legal and Ethical Issues Involved in Fertility Preservation for Minors.
Shoshana Kunin-Leavitt, J.D.
Private Practice

RTT14
Promoting Resilience and Posttraumatic Growth with Infertility Patients
Amelia Swanson, Ph.D.
Northwestern University

RTT15
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
RTT16
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
RTT17
Is Red Meat Intake Really That Bad for Male Fertility?
Lauren Wise, Sc.D.
Boston University School of Public Health

Preimplantation Genetic Testing
RTT18
Outcome of Transfer of Embryos with Mosaicism
David Cram, Ph.D.
Berrygenomics, Beijing, China

RTT19
Present Status of Non-Invasive PGT
Carmen Rubio, Ph.D.
Igenomix Spain

RTT20
Sub-chromosomal Variation in PGT-A
Mandy Katz-Jaffe, Ph.D.
Colorado Center for Reproductive Medicine

Regenerative Medicine and Stem Cell Biology
RTT21 Special Interest Group
Paternal Preconception Exposures: How They Impact Offspring Health
Charles Easley, Ph.D., M.S.
University of Georgia

Assisted Reproductive Technology
RTT22
IVF Stimulation Protocols for the Poor Responder
Katherine McKnight, M.D.
Houston IVF

RTT23
Lifestyle Modification Prior to ARTs: What’s the Evidence?
Rashmi Kudesia, M.D.
CCRM Fertility Houston

RTT24
New Lab Set up? Is Newer Better?
Barry Behr, Ph.D.
Stanford Fertility and Reproductive Medicine Center

Male Reproduction and Urology
RTT25
Teaching Models for Male Reproduction and Vasectomy
Jared Bienie, M.D.
Hartford Health Care

RTT26
Status of Sophisticated Sperm Function Testing? What Tests Should I Use?
Ryan Smith, M.D.
University of Virginia

RTT27
Sperm Cryopreservation in the Transgender Population
James Hotaling, M.D.
University of Utah School of Medicine Andrology and IVF Laboratories

Reproductive Endocrinology & Infertility
RTT28
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

RTT29
Academic Reproductive Endocrinology and Infertility Physician Compensation and Retention
Bradley Hurst, M.D.
Carolinas Medical Center Atrium Health

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<table>
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<tr>
<th>PRELIMINARY PROGRAM</th>
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<th><strong>Reproductive Biology and Technology</strong></th>
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<td>Yulian Zhao, Ph.D.</td>
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| **RTT31** | **Improving Communication between the Lab Director, Physicians, and Key-Decision Making Personnel** |
| Jamie Morris, M.D. | RMA New Jersey |

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| **RTT33** | **Uterine Anomalies Amenable to Surgical Correction** |
| Marc Laufer, M.D. | Boston Children’s Hospital and Boston Center for Endometriosis |

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<td>Sami Jabara, M.D.</td>
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| Meryl Rosenberg, J.D. | Private Practice |

| **RTW10** | **My Personal Journey to Fatherhood as a Trans Man** |
| Trystan Reese, A.A. | Family Equality Council |

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| **RTW12** | **Psychological Counseling and Managing of High Risk Pregnancies of Gestational Carriers and the Intended Parents** |
| Hilary Hanafin, Ph.D. | Independent Practice |

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Preimplantation Genetic Testing

RTW15
Pinpointing Genes Involved in Severe Infertility
Semra Kahraman, Prof Istanbul Memorial Hospital

RTW16
Expanding Carrier Screening: Impact on PGT-M Uptake
Joe Leigh Simpson, M.D. Florida International University

Regenerative Medicine and Stem Cell Biology

RTW17
Meiotic Errors, Aneuploidy, and Infertility
Philip Jordan, Ph.D. Johns Hopkins University Bloomberg School of Public Health

Assisted Reproductive Technology

RTW18
Managing Recurrent Implantation Failure
Jason Franasiak, M.D. IVI-RMA New Jersey

RTW19
Pearls for Transgender Care
Molly Moravek, M.D., M.P.H. Reproductive Endocrinology and Infertility, University of Michigan

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Matthew VerMilyea, Ph.D. Ovation Fertility

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

RTW22
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Kathleen Hwang, M.D. University Pittsburgh, Urology

Reproductive Endocrinology & Infertility

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

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Gerard Letterie, M.D. Seattle Reproductive Medicine

RTW25
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Hakan Cakmak, M.D. UCSF

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

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Wayne Caswell, B.S. Donor Egg Bank USA

Turkish Reproductive Medicine

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Volkan Turan, M.D. Memorial Bahcelievler Hastanesi
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***

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