Join us this year for the ASRM 75th Anniversary Gala benefiting the ASRM Research Institute during ASRM’s 2019 Scientific Congress & Expo, October 12 – 16, 2019, in Philadelphia, PA.

All Congress attendees are invited to a festive evening of fine dining, mingling and the unveiling of the highly-anticipated Legacy Art Exhibit, celebrating ASRM’s 75th Anniversary.

Sunday, October 13, 2019
6:00 p.m.
National Constitution Center

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 THE HISTORICALLY RICH CITY OF PHILADELPHIA, PENNSYLVANIA for the 75th annual meeting of the American Society for Reproductive Medicine and celebration of our 75th anniversary as a society! This year’s ASRM Scientific Congress & Expo theme is “Celebrating 75 Years of History and Innovation” in keeping with our anniversary and the critical role of ASRM in focusing on the many innovations in reproductive medicine. Dr. Keith Jarvi, Scientific Congress Program Chair, and Dr. Cigdem (Cori) Tanrikut, 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, as well as practitioners in mental health, law, and ethics.

OUR WEEKEND BEGINS with exciting Pre-Congress courses that range from the latest on subchromosomal variations and mosaicism and their clinical significance in ART practices to reproductive aging, cryostorage management, ethical and legal issues related ART and family building, and endometriosis diagnosis and management. The Pre-Congress program has initiated half-day courses into the program for the first time to better meet the differing schedules as our attendees arrive. We hope that you will take advantage of these new offerings. The Pre-Congress Program Committee has collaborated with our affiliated societies and professional, special interest groups, and several International Societies as well as other outside Societies to present a wide range of often multi-disciplinary Pre-Congress courses designed to meet the needs of clinicians, scientists, laboratory technologists, nurses, and other health-care and allied professionals.

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 lectures will touch on historical perspectives again, as well as innovative lectures that focus on communication between generations, exciting new innovations in live imaging to reveal the mechanisms that form embryos, examination of IVF as a business, with a special focus on male factors in infertility, including the effect of sperm factors on offspring, the ethics of human germline editing, a reflection of the patient’s perspective on fertility preservation, as well as the role of big data in healthcare. We will also have a unique presentation on the role of innovation including use of robotics in surgery; and an overview of male contraception from historical and present perspectives, as well as future directions in contraception.

The symposia and interactive sessions will touch on a range of topics, from politics and ethics in embryo research, access to care, endometrium therapy, regenerative medical therapies for reproductive medicine, reproductive epigenetics, and egg freezing – both lab as well as family building considerations. 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 2019 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 exciting city of Philadelphia, where together, we will celebrate ASRM’s “75 Years of History and Innovation.” I encourage all to consider joining us at the 75th Anniversary Gala on Sunday night, October 13, 2019 at Philadelphia’s beautiful National Constitution Center where we celebrate the Society’s anniversary and support the research efforts of our Society members to further improve medical care provided by our members.

Sincerely,

Peter N. Schlegel, M.D.
ASRM President, 2018-2019
JOIN US FOR OUR
Opening Ceremony
Monday, October 14th,
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.
- 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 2019 Scientific Congress Program Planning Committees

Peter N. Schlegel, M.D., President
Keith A. Jarvi, M.D., Scientific Congress Program Chair
Steven D. Spandorfer, M.D., Interactive Sessions Chair
Paolo Rinaudo, M.D., Ph.D., Roundtables Program Chair
Cigdem Tanrikut, M.D., F.A.C.S., Pre-Congress Program Chair
Amy Sparks, Ph.D., Pre-Congress Co-Chair
Richard O. Burney, M.D., M.Sc., Pre-Congress Coordinating Chair

Dolores Lamb, Ph.D., Ad Hoc Committee Member
Nancy Kaufman, L.C.S.W., Ad Hoc Committee Member
Amy Sparks, Ph.D., Society for Assisted Reproductive Technology Program Chair

Eve Feinberg, M.D., Society for Reproductive Endocrinology and Infertility Program Chair
Natan Bar-Chama, M.D., Society for Male Reproduction and Urology Program Chair
Steven Lindheim, M.D., Society for Reproductive Surgeons Program Chair
Shane Zozula, B.S., Society for Reproductive Biologists and Technologists Program Chair

Lauren Berman, Ph.D., Mental Health Professional Group Program Chair
Lauren Nervi, N.P., Nurses’ Professional Group Program Chair
Heather Ross, J.D., Legal Professional Group Program Chair
Sara Mooney, B.A., Association of Reproductive Managers Program Chair

Richard H. Reindollar, M.D., ASRM Chief Executive Officer
William W. Hurd, M.D., M.P.H., ASRM Chief Medical Officer
Jody Thrash, M.B.A., ASRM Education & Research Program Administrator
Kimberly B. Kretzer, R.N., M.S.N., ASRM Manager, Continuing Education

ASRM Officers and Board of Directors 2018 – 2019

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Catherine Racowsky, Ph.D., President-Elect
Hugh Taylor, M.D., Vice President
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Richard H. Reindollar, M.D.

ASRM CHIEF MEDICAL OFFICER
William Hurd, M.D.
### SCHEDULE-AT-A-GLANCE

#### PRE-CONGRESS

**SATURDAY, OCTOBER 12, 2019**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
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<tbody>
<tr>
<td>8:15 am - 12:00 pm</td>
<td>PC01 Subchromosomal Variations and Mosaicism: Clinical Significance in Assisted Reproductive Technology (ART) Practices</td>
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<td>PC02 Fertility Preservation: 2019 and Beyond</td>
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<td>PC03 New Medical Information Involving Gamete Donors: Medical, Legal, and Ethical Considerations</td>
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<td>PC04 Cryostorage Management and the Lost Art of Assisted Reproductive Technology (ART)</td>
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<td>PC05 The Skinny on Obesity</td>
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<td>1:15 pm - 5:00 pm</td>
<td>PC06 Strengthening Your Core Business While Achieving and Sustaining Growth</td>
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<td>PC07 Managing Assisted Reproductive Technology (ART) Patient Stress and Anxiety: Integrative Mind-body Approaches</td>
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<td>PC08 Early Pregnancy Loss: Maternal Factors in Implantation and Receptivity</td>
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<td>PC09 Gay Men Parenting: A Decade of Change in the Legal, Medical, Societal, and Psychological Landscape</td>
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<tr>
<td>5:15 pm</td>
<td>F&amp;S Journal Club Live</td>
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**SUNDAY, OCTOBER 13, 2019**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
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<tbody>
<tr>
<td>8:00 am - 3:45 pm</td>
<td>PC11 Reproductive Aging: Meeting the Challenges in Clinical and Laboratory Practice</td>
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<td>PC12 Next-generation Assisted Reproductive Technology (ART):Personalized Reproductive Medical Management</td>
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<td>PC13 First 20 Years of Stem Cells: From First Isolation to Clinical Use</td>
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<td>PC14 How to Optimize Assisted Reproductive Technology (ART) Success: From Lab to Clinic</td>
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<td>PC15 Testicular Biopsy: Converting Diagnostic Measures into Efficient Laboratory/Intracytoplasmic Sperm Injection (ICSI) Outcomes</td>
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<td>PC16 Polycystic Ovary Syndrome: at the Crossroads of Metabolism and Reproduction</td>
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<td>PC17 Transparency in Assisted Reproductive Technology (ART): Understanding the Global Legal, Ethical, and Psychosocial Issues of Information Disclosure in ART Today</td>
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<td>PC18 Challenging Reproductive Surgical Scenarios to Optimize Fertility</td>
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<td>PC19 Male Reproduction: the Road to Fertility with Bumps on the Way</td>
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<td>PC20 Endometriosis: from Diagnosis to Therapeutic Strategy (an ASRM-SEUD joint course)</td>
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<tr>
<td>3:00 pm - 5:00 pm</td>
<td>PC21 How to Debate the Scientific Literature With Real World Examples</td>
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<tr>
<td>6:00 pm</td>
<td>ASRM 75th Anniversary Gala</td>
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### SUNDAY, OCTOBER 13, 2019

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
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<tbody>
<tr>
<td>8:00 am - 3:45 pm</td>
<td>Society for Reproductive Endocrinology and Infertility (SREI) Members’ Retreat</td>
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<tr>
<td>3:00 pm - 5:00 pm</td>
<td>Personal finance for Physicians Workshop</td>
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<tr>
<td>6:00 pm</td>
<td>ASRM 75th Anniversary Gala</td>
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<tr>
<td>7:00 am - 7:45 am</td>
<td>Continental Breakfast</td>
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<td>7:45 am - 8:30 am</td>
<td>Opening Ceremony</td>
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<tr>
<td>8:30 am - 9:15 am</td>
<td>Plenary</td>
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<td>President’s Guest Lecture: Closing the Generational Gap Between Practitioners and Patients</td>
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<tr>
<td>9:00 am - 12:00 pm</td>
<td>Poster Setup</td>
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<td>9:15 am - 10:00 am</td>
<td>Plenary</td>
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<td>Camran Nezhat, M.D. Lectureship in Innovations in Medicine: Using Live Imaging to Reveal the Mechanisms That Form the Mammalian Embryo</td>
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<td>10:00 am - 10:45 am</td>
<td>Break</td>
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<tr>
<td>10:45 am - 12:15 pm</td>
<td>Scientific Congress Prize Paper Session 1 Oral Abstract Sessions</td>
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<td>11:00 am - 12:00 pm</td>
<td>MHPG Clinical Session</td>
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<td>Research Isn’t Just for Nerds: The Easy How-To’s of Conducting Publishable Research in the Field of Reproductive Medicine</td>
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<td>12:15 pm - 1:15 pm</td>
<td>Break/Lunch</td>
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<td>Venture Capital, Private Equity, and Assisted Reproduction: Investing in Innovation in IVF Roundtables RTM1 - RTM40</td>
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<td>12:30 pm - 2:00 pm</td>
<td>Resident Learning Session</td>
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<td>1:30 pm - 2:30 pm</td>
<td>Interactive Sessions</td>
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<td>Key Performance Indicators for the IVF Lab</td>
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<td>How do we reach the goal of universal insurance coverage for IVF?</td>
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<td>An integrative approach to treating dysmenorrhea associated with endometriosis</td>
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<td>No Satisfaction: Psychological and Medical Perspectives on Infertility and Sexual Dysfunction</td>
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<td>Moving Hysteroscopy from the Operating Room to the Office: Essentials for Success, Safety, and Patient Satisfaction</td>
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<td>Non-invasive preimplantation genetic testing (NIPGT): Is it applicable for ART practice?</td>
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<td>Counseling Patients on Mosaicism</td>
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<td>Best Practices in Miscarriage Management</td>
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<td>1:30 pm - 2:30 pm</td>
<td>MHPG Clinical Session</td>
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<td>The Trauma of Infertility and Pregnancy Loss: Helping Our Patients Heal</td>
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<td>2:35 pm - 3:20 pm</td>
<td>Plenary</td>
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<td>Endowed Lecture: IVF as a Business</td>
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<td>2:35 pm - 3:20 pm</td>
<td>Plenary</td>
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<td>The David and Rosemary Adamson Lecture on Excellence in Reproductive Medicine: Midnight’s Broken Toll: Male Fertility and the Health of Future Generations</td>
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<tr>
<td>3:20 pm - 4:15 pm</td>
<td>Break</td>
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<td>4:15 pm - 5:30 pm</td>
<td>Symposia</td>
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<td>ABOG - Kenneth Ryan Ethics Symposium: Ethics in Embryo Research: In Consideration of Patients, Progeny and Professional Norms</td>
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<td>Are Specialized Sperm Function Tests Clinically Useful?</td>
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<td>New Updates on Therapies for Infertility in Polycystic Ovary Syndrome (PCOS)</td>
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<td>Management of Infertility in Low Resource Settings</td>
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<td>The New Modern Family: Family-building and co-parenting in the 21st Century</td>
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<td>Oogonial Stem Cells to Improve Oocyte Quality and Ovarian Reserve: Fact or Fiction?</td>
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<td>How to Build High Functioning Teams in the Embryology Lab</td>
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<td>The Endometrium and Recurrent Pregnancy Loss</td>
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<td>ESHRE Symposium: Looking Beyond the XX Factor</td>
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<td>ISAR Symposium: Infertility &amp; Tuberculosis</td>
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<td>MEFS Symposium: Controversies in ART</td>
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<td>SSR Symposium: Fertility Preservation- Existing and Emerging Fertility Preservation Options for Women and Men</td>
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<td>4:15 pm - 5:30 pm</td>
<td>Video Session 1</td>
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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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<td>8:30 am - 9:15 am</td>
<td>Plenary Is Human Germline Editing Ethical?</td>
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<td>9:15 am - 10:00 am</td>
<td>Plenary Planned Oocyte Cryopreservation: A Patient's Perspective</td>
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<td>10:00 am - 10:45 am</td>
<td>Break</td>
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</tbody>
</table>
| 10:45 am - 12:15 pm | Scientific Congress Prize Paper Session 2  
Oral Abstract Sessions          |
| 12:15 pm - 1:15 pm | Break/Lunch                                                        |
| 12:30 pm - 2:00 pm | Resident Learning Session                                             |
| 1:30 pm - 2:30 pm | Interactive Sessions  
Medical and lifestyle treatment options in PCOS, more than just metformin  
Mosaicism Exposed – How to Handle Mosaic Embryos  
Beyond Disclosure: The Psychological, Social, Legal, and Genetic Implications of Intentional and Unintentional Donor Identity  
Insights from Vertebrate Model Reproductive Organ Regeneration: How Do We Unlock Our Regenerative Potential  
Home Sperm Testing: What is Available, Limitations and Opportunities  
Cervical Agenesis- Hysterectomy vs Utero-Vaginal Anastomosis  
Debate: Measuring AMH: A useful investigation in Recurrent Early Pregnancy Loss?  
In Vitro Activation for Primary Ovarian Insufficiency: Is it Ready for Prime Time?          |
| 1:30 pm - 2:30 pm | MHPG Clinical Session  
To SKYPE or not to SKYPE: Ethics of third-party teleconsultations in the age of high-tech |
| 2:45 pm - 3:30 pm | Plenary  
Menopause Keynote Lecture: Future Directions on the Management of Menopause          |
| 3:30 pm - 4:15 pm | Break                                                           |
| 4:15 pm - 5:30 pm | Symposia  
KY CHA SYMPOSIUM: Regenerative Medical Therapies For Reproductive Medicine  
Access to Fertility Preservation Care: From Policy to the Patient  
Quality Management in Human ART: Time to Revisit the Issues  
Implementation of an embryo donation program within your practice: medical, legal and psychological aspects  
RESPECT YOUR ENEMY: Marketing your practice within the SART Advertising Guidelines in a competitive market  
Fertility preservation should be offered to young patients with Klinefelter Syndrome  
Patient-Centered Research in Uterine Fibroids: The COMPARE-UF Experience/ Patient-centered Evidence for Fibroid Management--the COMPARE-UF Registry  
ASPIRE Symposium: New Approach in PCOS  
ALMER Symposium: Management of Mosaic Embryos after PGT-A in ART  
Oocyte Maturation In Vitro and Female Fertility Preservation  
FDA Symposium: Reproductive HCT/P Donor Eligibility and Compliance Update for Reproductive HCT/P Establishments  
World Health Organization (WHO) Symposium          |
| 4:15 pm - 5:30 pm | Video Session 2                                                      |
6:30 am - 7:45 am  Poster Abstract Session and Continental Breakfast

8:00 am - 8:45 am  Plenary  American Urological Association Bruce Stewart Memorial Lecture: The Diagnosis & Treatment of Male Infertility: From the Bench to the Bedside  

8:45 am - 9:15 am  ASRM Members' Meeting and Congress Prize Presentation

9:15 am - 10:00 am  Plenary  Herbert H. Thomas Lecture: Justice and the Privitization of Health Data

10:00 am - 10:45 am  Break

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

11:00 am - 12:00 pm  MHPG Clinical Session  Peeking Under The Hood: Psychological Testing with Sperm Donors

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

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

1:30 pm - 2:30 pm  Interactive Sessions  Egg and Embryo Banking for Family Building Prior to Advancing Maternal Age: a Patient and Laboratory Perspective  
Repeated Implantation Failure: Can We Learn from Endometrial Evaluation?  
Reproductive Epigenetics and the Mighty Mitochondria  
Debate: Mullerian Classification: ESHRE vs ASRM - Which is Better?  
Environmental Chemicals and Reproduction: From Knowledge to Action  
Family Planning Fellows Showcase

2:45 pm - 3:30 pm  Keynote  Contraception Keynote Lecture: Male Contraception: Past, Present, and Future  
SSR Exchange Keynote Lecture: Motile Ciliopathy is a New Cause of Male Infertility

3:30 pm - 3:45 pm  Break

3:45 pm - 5:00 pm  Symposia  Howard and Georgeanna Jones Endowed Symposium on Assisted Reproductive Technology: Growing Gametes and Embryos: Where Are We Now  
Egg Freezing - Are you ready for prime time? Developing and Implementing an Egg Freezing Program in Your Practice  
Fertility Preservation for Transgender Youth: Special Considerations  
Novel therapies for the treatment of Asherman syndrome  
Risk Management: Patient Education, Compliance and Consenting.  
AMMR Symposium: Strategies in Ovarian Stimulation Protocols to Improve Results in Assisted Reproduction  
CSRM Symposium: Embryo Culture in Vitro and Development

3:45 pm - 5:00 pm  Video Session 3
**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 enrollment fee will be returned to the registrant.

**REFUND/NON-ATTENDANCE POLICY**
Cancellations received before or by September 13th will receive a full refund minus a $150 processing fee. Cancellation requests must be submitted in writing. Cancellations received after September 13th will not be eligible for a refund.

**ADA STATEMENT**
The American Society for Reproductive Medicine fully complies with the legal requirements of the Americans with Disabilities Act (ADA) and the rules and regulations thereof. Please notify the American Society for Reproductive Medicine, 1209 Montgomery Highway, Birmingham, Alabama, USA, 35216, telephone 1-205-978-5000, a minimum of 10 working days in advance of the event if a reasonable accommodation for a disability is needed.

**EQUAL OPPORTUNITY STATEMENT**
The American Society for Reproductive Medicine values and promotes diversity among its members, officers, and staff. The Society prohibits discrimination toward any member or employee due to race, color, religion, age, gender, sexual orientation, national origin, citizenship, disability, military status, or other basis prohibited by law. ASRM strives to achieve gender, racial, and ethnic balance in hiring and governance. ASRM maintains policies, procedures, and personnel actions that conform to the letter and spirit of all laws and regulations pertaining to equal opportunity and nondiscrimination in employment, appointments, and elections to office.

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

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### Registration and Information

**Choices may be limited on-site. Pre-registration is recommended.**

<table>
<thead>
<tr>
<th>ON-SITE REGISTRATION DESK: PENNSYLVANIA CONVENTION CENTER</th>
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<tbody>
<tr>
<td>Friday, October 11 ............. 2:00 pm – 6:00 pm</td>
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<tr>
<td>Saturday, October 12 ......... 7:00 am – 6:00 pm</td>
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<td>Sunday, October 13 ......... 7:00 am – 5:00 pm</td>
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<td>Monday, October 14 ......... 7:00 am – 5:00 pm</td>
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<tr>
<td>Tuesday, October 15 ......... 7:00 am – 5:00 pm</td>
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<td>Wednesday, October 16 .... 7:00 am – 2:00 pm</td>
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<tr>
<th>BE SURE TO VISIT THE EXPO HALL</th>
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<tr>
<td>Monday, October 14 ............. 9:00 am – 5:00 pm</td>
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<tr>
<td>Tuesday, October 15 ............. 9:00 am – 5:00 pm</td>
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<tr>
<td>Wednesday, October 16 ........ 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.
### Registration Information

#### Pre-congress Course Registration Fees

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<tr>
<th>Course Type</th>
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* PC01 – PC08 and PC11 – PC20 1-day courses
** PC09 – PC10 and PC21 – PC25 half-day courses

#### Scientific Congress Registration Fees

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(Full-time medical students and full-time graduate students working toward first doctorate; documentation required)

#### Ticketed Events

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<td>Expert Encounters</td>
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<td>Women’s Council Breakfast</td>
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<td>SREI Members’ Retreat</td>
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<td>Workshop</td>
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(Spouse/Guest registration badge includes Opening Ceremony, Expo Hall, Plenary Sessions, and Hospitality Room Monday - Wednesday)

(Miss a poster you want to know more about? Try PosterPlus via the ASRM Mobile App!)

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**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.

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Registration Information

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

**Individual Registration** for the ASRM 2019 Scientific Congress & Expo opens April 23, 2019.

Use your ASRM 2019 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 13, 2019

Cancellations received before or by September 13, 2019 will receive a full refund minus a $150 processing fee.

Cancellations received after September 13, 2019 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 13, 2019, 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.
Philadelphia Hotel Information

1. Aloft Philadelphia Downtown
2. Four Points by Sheraton City Center Hotel
3. Hampton Inn Philadelphia Convention Center
4. Hilton Garden Inn Philadelphia Convention Center
5. Home2 Suites by Hilton
6. Le Meridien Philadelphia
7. Loews Philadelphia Hotel
8. Philadelphia 201 Hotel
9. Philadelphia Courtyard by Marriott (soon to be The Notary)
10. Philadelphia Marriott Downtown *
11. The Ritz-Carlton, Philadelphia

* Headquarters Hotel

NEW THIS YEAR; all official ASRM hotels are within walking distance to the convention center. Please note that since all hotels are within walking distance, shuttle bus transportation will not be provided.
Continuing Professional Development:
Continuing Medical Education | Continuing Education Credits

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

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

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

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, 2019.
Email questions to education@asrm.org.

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

ASRM 2019 Scientific Congress Designation Statement
The American Society for Reproductive Medicine designates this live activity for a maximum of 13.50 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

ASRM 2019 Pre-Congress Program Designation Statement
The American Society for Reproductive Medicine designates Pre-Congress Courses 1–8 & 11–20 for a maximum of 6.5 AMA PRA Category 1 Credits™ per course. Course 24 is approved for a maximum of 2.75 AMA PRA Category 1 Credits™. Courses 09, 21, 23, and 25 are approved for a maximum of 3.0 AMA PRA Category 1 Credits™. Courses 10 and 22 are approved for a maximum of 3.5 AMA PRA Category 1 Credits™.

Physicians should claim only the credit commensurate with the extent of their participation in the activity.

The American College of Obstetricians and Gynecologists (ACOG)
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 and Pre-Congress Course 10.

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 Pre-Congress Courses 07, 09, 10, and 17; MHPG Symposia I, II, III; MHPG Clinical Sessions 01-04; and other selected sessions.

National Association of Social Workers (NASW)
Application has been made to the National Association of Social Workers for Pre-Congress Courses 07, 09, 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 01, 03, and 11, 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.

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 2019 Program. Roundtable and Expert Encounter presenters should provide a copy of their disclosure to participants at their table.
**ASRM 2019 Pre-Congress Program**

**SATURDAY, OCTOBER 12, 2019**

**PC01 Subchromosomal Variations and Mosaicism:**
Clinical Significance in Assisted Reproductive Technology (ART) Practices  
Developed in Cooperation with the Preimplantation Genetic Testing Special Interest Group

**Faculty**
Semra Kahraman, M.D.  (Co-Chair)  
Istanbul Memorial Hospital, Turkey  
Svetlana Rechitsky, Ph.D.  (Co-Chair)  
Reproductive Genetic Innovations  
Eric Forman, M.D.  
Columbia University  
David Cram, Ph.D.  
Berry Genomics Corporation

**Needs Assessment and Description**
Next-generation sequencing (NGS) in preimplantation genetic testing (PGT) has further confirmed that more than half of preimplantation embryos in assisted reproductive technology (ART) patients of advanced reproductive age are chromosomally imbalanced. A currently emerging problem in pre-selection of embryos for transfer is a high rate of genetic instability, such as chromosomal mosaicism and segmental aneuploidy, throughout preimplantation development. While more research is needed to investigate the origin and clinical significance of these phenomena, the best acceptable policies in a clinical setting should be explored. It is evident that subchromosomal abnormalities and mosaicism may arise in preimplantation embryos through mitotic errors or other possible mechanisms which have become evident with the application of high-resolution NGS (hNGS). According to available experience, 10%–20% of human blastocysts are mosaic and up to 50% may have segmental aneuploidies. The rates of subchromosomal aneuploidy and mosaicism vary in samples obtained from different in vitro fertilization centers, suggesting that they may be technically derived, which should be distinguished from those with biological significance. The variation may be related to the quality of biopsy or the quality of NGS procedures, including the use of laser for biopsy, the efficiency of whole-genome amplification (WGA), and the NGS platforms used for a quantitative assessment of chromosomal copy number. Accumulated experience on the outcome of segmental and mosaic embryo transfers, their types and origin, and reproductive potential depending on specific chromosomes...
involved in mosaicism and segmental aneuploidy should be considered for possible strategies related to the transfer of embryos with mosaicism and segmental aneuploidies. This course will discuss current diagnostic problems as well as advantages and disadvantages of available technologies in regards to better utilization and wider application of PGT in ART. This course is designed for obstetricians/gynecologists, specialty physicians, nurses, laboratory scientists and technologists, geneticists, genetic counselors, and legal professionals.

**ACGME Competency**

*Patient Care*

*Medical Knowledge*

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**Learning Objectives**

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

1. Explain the diagnostic implications of detected subchromosomal aneuploidies and mosaicism in biopsy samples of blastocysts.
2. Summarize reproductive potential depending on specific chromosomes involved in mosaicism and segmental variations.
3. Describe the criteria for distinguishing technically derived mosaicism and segmental aneuploidies from ones with biological significance.
4. Discuss the strategies for possible transfer of these embryos in the absence of transferable euploid embryos.

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**PC02 Fertility Preservation: 2019 and Beyond**

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

**Faculty**

Akanksha Mehta, M.D. (Chair)
Emory University School of Medicine
Pasquale Patrizio, M.D.
Yale University IVF Program
Tommaso Falcone, M.D.
Cleveland Clinic
Joanne Kelvin, M.S.N.
Memorial Sloan-Kettering Cancer Center

**Needs Assessment and Description**

The field of fertility preservation has advanced substantially over the last several years. New insights and innovations have been made in male and female fertility preservation care, both in pre- and post-cancer treatment. Practice gaps exist in female and male fertility preservation, as made evident in recent American Society for Reproductive Medicine (ASRM) Continuing Medical Education (CME) Committee documents. These practice gaps include lack of clear knowledge about optimal female and male fertility potential in survivorship, lack of familiarity regarding fertility preservation counseling, and lack of innovative strategies for prepubescents or those without a functional uterus. Guidelines for fertility preservation in non-oncologic populations are also lacking and require standardization. This course will address these practice gaps while exploring experimental approaches in both males and females that might prove to be mainstay therapies of the future. This live course is targeted for reproductive endocrinologists, urologists, adult and pediatric oncologists, nursing professionals, mental health professionals, and clinical investigators.

**ACGME Competency**

*Patient Care*

*Medical Knowledge*

---

**Learning Objectives**

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

1. Describe special fertility considerations as well as the optimal reproductive care of male and female patients in survivorship.
2. Discuss uterus transplantation and its past, present, and future direction.
3. Examine reproductive success rates using oocytes and sperm that were cryopreserved prior to the initiation of cancer therapy.
4. Summarize strategies to facilitate fertility preservation education and execution in both males and females.
PC03  New Medical Information Involving Gamete Donors: Medical, Legal, and Ethical Considerations
Developed in Cooperation with the Legal Professional Group (LPG) and the Genetic Counseling Special Interest Group

Faculty
Pamela Callum, M.S. (Chair)
California Cryobank
Amy Vance, M.S., C.G.C.
Bay Area Genetic Counseling
Susan Crockin, J.D.
Crockin Law & Policy Group
Jeanne O’Brien, M.D., M.Sc.
Shady Grove Fertility Center

Needs Assessment and Description
The Centers for Disease Control and Prevention (CDC) and US Surgeon General emphasize the importance of knowing one’s family health history to aid in management of his or her own health. Donor-conceived individuals often have only partial family medical histories, limited to the information self-reported by their donors at the time of entry into a donor program. However, there are numerous cases in which new diagnoses arise or become known in gamete donors, their family members, and donor-conceived individuals, which have been shown to be critical to the health and medical management of biologically related individuals. Updated health information is frequently but inconsistently reported to gamete providers and variably communicated to the relevant parties. The diagnoses reported differ significantly and include: isolated birth defects, multifactorial conditions (for example, autism, autoimmune disease, mental illness), genetic carrier states for recessively inherited disease, and known or possible diagnoses of conditions that are inherited in autosomal dominant manners. The variation in the diagnoses, degree of heritable risk, and actionability of information available make assessment of this information extraordinarily challenging for gamete providers who are tasked with determining its significance to other parties, which may be in part dependent upon the length of time that has elapsed since the donation and use of gametes. The communication or notification of relevant parties is additionally complex because it necessitates determinations as to which populations should be informed, by whom, and what efforts to contact are sufficient. This session will include review of current legislation and case law (for example, duty to warn) and obligations of parties which include gamete donors, reproductive endocrinologists, gamete facilities, primary physicians, and intended parents. We will discuss best practice recommendations for consents and agreements among the parties, as well as a summary of current strategies for collecting, assessing, and tracking original and new medical information in these populations. This course is for physicians, embryologists, nurses, mental health providers, genetic counselors, attorneys, and administrators to inform health-care providers of the regulations related to these processes, increase awareness of the legal issues, and explain how to manage risks and information as these situations arise.

ACGME Competency
Professionalism
Interpersonal and Communication Skills

Interprofessional Competency
Values/Ethics for Interprofessional Practice

Learning Objectives
At the conclusion of this course, participants should be able to:
1. Compare the approaches for family history screening and tracking of updates involving gamete donors.
2. Summarize the limitations of family history evaluations and explain the possibility of future medical history updates to prospective recipients.
3. Develop a clinic policy on how to manage newly reported donor information.
PC04 Cryostorage Management and the Lost Art of Assisted Reproductive Technology (ART)
Developed in Cooperation with the Society of Reproductive Biologists and Technologists (SRBT)

Faculty
Mitchel C. Schiewe, Ph.D. (Chair)
Ovation Fertility
Thomas “Rusty” Pool, Ph.D.
Fertility Center of San Antonio
Donald Fish, B.S.
California Cryobank Life Sciences

ACGME Competency
Systems-based Practice

Learning Objectives
At the conclusion of this course, participants should be able to:
1. Review the importance of cryostorage management.
2. Discuss the history and current state of today’s IVF lab.
3. Optimize laboratory QC practices.

Needs Assessment and Description
Training embryologists has become an urgent need in today’s growing assisted reproductive technology (ART) industry without the luxury of long instructional programs. Embryologists entering today’s in vitro fertilization (IVF) labs have fewer opportunities to learn or optimize certain IVF lab skills which also prepare them for problem-solving and understanding why certain practices are performed. Commercialization of product manufacturing for ART is both a blessing and a curse. It has improved quality control (QC) but at the sacrifice of embryologists learning some advanced yet fundamental techniques. This course will address many of the QC needs in today’s IVF lab with an emphasis on cryostorage management to prevent catastrophic loss. This course is designed for embryologists, physicians, laboratory technicians, administrators, and all allied health professionals who would like to gain knowledge about laboratory basics and quality control, as well as better prepare and improve their QC programs and cryostorage management.
PC05 The Skinny on Obesity

Developed in Cooperation with the Society for Reproductive Endocrinology and Infertility (SREI) and the Society for Male Reproduction and Urology (SMRU)

Faculty
Eve C. Feinberg, M.D. (Co-Chair)
Northwestern University Feinberg School of Medicine
Christina E. Boots, M.D., M.S.C.I. (Co-Chair)
Northwestern University
Janine Kyrillos, M.D., F.A.C.P.
Thomas Jefferson University
Jorge Chavarro, M.D.
Harvard Medical School
John Magaña Morton, M.D., M.P.H.
Stanford University School of Medicine

Needs Assessment and Description
More than one third of US adults are obese. Obesity is associated with significant morbidity in reproductive aged women. Not only does obesity increase the risk of infertility, but it makes the treatment of infertility more complicated. The pathophysiology of obesity is complex; newer treatments are being developed that target the underlying hormonal pathways. Obesity contributes to pregnancy-associated complications both for the mother and neonate. ASRM has reported a knowledge gap and educational need in the pathophysiology of obesity and management options during fertility treatment and pregnancy. This course will address the impact of obesity on fertility and pregnancy. Topics of discussion will include obesity as an endocrine disorder and treatments for obesity such as lifestyle modification, pharmacotherapy, and surgical therapy. This course is designed to increase competence in understanding the impact of obesity and how to best help patients achieve optimal health prior to conception to ultimately result in the birth of a healthy baby. This live course is targeted for reproductive endocrinologists, urologists, general obstetricians/gynecologists, nurses, nurse practitioners, and other allied health professionals in reproductive care to optimize treatment for obese patients of reproductive age.

ACGME Competency
Patient Care
Medical Knowledge

Learning Objectives
At the conclusion of this course, participants should be able to:
1. Discuss the impact of obesity on fertility, pregnancy, and the neonate.
2. Identify which patients would benefit from lifestyle interventions and could be counseled on methods for weight loss.
3. Determine which patients require pharmacotherapy or surgery for weight loss and recommend the most appropriate treatment options.
PC06  Strengthening Your Core Business While Achieving and Sustaining Growth
Developed in Cooperation with the Association of Reproductive Managers (ARM)

Faculty
Sara Mooney, B.A. (Chair)
Seattle Reproductive Medicine
Lindsey N. McBain, B.A.
Reproductive Medical Associates of New Jersey
Brad Senstra, B.S., M.H.A.
Seattle Reproductive Medicine
Blake Welch, M.B.A.
Chicago IVF

Needs Assessment and Description
Management of a reproductive endocrinology and infertility (REI) practice requires a strong team to sustain the business. The health-care field requires special management techniques that are not found in other businesses. It is important for clinical and business units to work together to achieve a successful practice. This course is designed to provide key skills, tools, and business knowledge to strengthen and grow (know when to expand a line of services) all levels and sizes of practices. This live activity is designed for administrators, managers, supervisors, physicians, nurses, and all professionals involved in optimizing an REI practice.

ACGME Competency
Systems-based Practice

Learning Objectives
At the conclusion of this course, participants should be able to:
1. Discuss tools to strengthen teams and increase retention.
2. Recommend resources to best utilize patient services and financial counselors to optimize performance and leverage patient retention.
3. Describe strategies to expand a line of service to convert patients, increase conversion rates, and know when to grow their market.
Managing Assisted Reproductive Technology (ART) Patient Stress and Anxiety: Integrative Mind-body Approaches
Developed in Cooperation with the Mental Health Professional Group (MHPG) and the Complementary and Integrative Medicine Special Interest Group

Faculty
Carmelo Sgarlata, M.D. (Chair)
ORM Fertility
Alice D. Domar, Ph.D.
Harvard Medical School
University of California, San Francisco

Needs Assessment and Description
Recent research indicates that stress is the most common reason why insured infertility patients terminate treatment before achieving pregnancy. In addition, symptoms of anxiety and/or depression are reported by the majority of women undergoing infertility. Taking care of highly distressed patients can take a toll on the entire health-care team. Supporting patients undergoing assisted reproduction treatments is vital to their overall psychological and reproductive well-being. Many patients need concrete interventions to reduce the psychological burden of assisted reproductive technology (ART). This course will present evidence-based integrative mind-body approaches to support patients facing infertility-related stress, such as mindfulness, mind-body programs, and acupuncture. Methods will be presented to incorporate integrative mind-body therapies with usual care using examples from two in vitro fertilization centers that have successful integrative care programs. This live activity is designed for physicians, nurse practitioners, nurses, nutritionists, fellows, residents, mental health professionals, and allied health providers, this course will review integrative mind-body therapies.

ACGME Competency
Patient Care
Interpersonal and Communication Skills

Learning Objectives
At the conclusion of this course, participants should be able to:
1. Define and describe integrative methods in the ART clinic.
2. Analyze evidence of effectiveness or efficacy of integrative approaches.
3. Summarize methods of integration for mind-body patient support into the ART clinic.
4. Examine the physiological impact of anxiety and depression on the reproductive system.
5. Describe how acupuncture could impact both pregnancy rates and patient distress levels during ART.
6. Assess the research on the psychological aspects of infertility as well as the research on the efficacy of psychosocial interventions.
PC08 Early Pregnancy Loss: Maternal Factors in Implantation and Receptivity
Developed in Cooperation with the Early Pregnancy Special Interest Group

Faculty
Lora Shahine, M.D., F.A.C.O.G. (Chair)
Pacific NW Fertility and IVF Specialists
Kristin Bendikson, M.D.
Keck School of Medicine of the University of Southern California, Los Angeles
Paul Brezina, M.D., M.B.A., F.A.C.O.G.
Fertility Associates of Memphis
Steven Spandorfer, M.D.
Weill Medical College of Cornell University
Dana B. McQueen, M.D., M.A.S.
University of California, San Diego

Needs Assessment and Description
Recurrent early pregnancy loss (REPL) affects up to 5% of the reproductive population. One in four pregnancies end in clinical miscarriage and approximately 5% of reproductive-aged women have had more than one miscarriage. As women delay childbearing, the incidence of miscarriage is increasing. The most common cause of first-trimester miscarriage is a genetic issue in the embryo which can be addressed with expectant management and hope for a euploid embryo or in vitro fertilization (IVF) with preimplantation genetic testing (PGT) to screen for euploid embryos, which is a costly and invasive option. However it is important to exclude other factors that could increase miscarriage risk prior to turning to assisted reproductive technologies to treat women with recurrent pregnancy loss. ASRM identifies evaluation and management of recurrent early pregnancy loss as an educational need. This live activity is designed to review evidence surrounding the maternal contribution to early pregnancy loss including anatomical, endocrine, infectious, immune, lifestyle, obesity, and environmental factors. The course is targeted to reproductive endocrinologists, obstetricians/gynecologists, and any medical providers investigating and treating women during conception and the early pregnancy phase. Evidence-based investigations will be discussed as well as strategies to enable clinicians to investigate and manage maternal contribution in early pregnancy loss.

ACGME Competency
Medical Knowledge
Patient Care

Learning Objectives
At the conclusion of this course, participants should be able to:
1. Describe maternal factors associated with early pregnancy loss.
2. Summarize an evidence-based evaluation for recurrent early pregnancy loss.
3. Demonstrate knowledge of evidence-based treatment options for maternal factors surrounding early pregnancy loss.
SATURDAY, OCTOBER 12, 2019  HALF DAY, 8:15 AM - 12:00 PM

PC09  Gay Men Parenting: A Decade of Change in the Legal, Medical, Societal, and Psychological Landscape

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

This half-day course is approved for a maximum of 3.0 AMA PRA Category 1 Credits™.

Faculty
Kim Bergman, Ph.D. (Chair)
Growing Generations
Angela Lawson, Ph.D.
Northwestern University
Will Halm, J.D.
International Reproductive Law Group

Needs Assessment and Description
Practitioners of assisted reproductive technology (ART) routinely offer fertility treatment to patients who identify as lesbian, gay, bisexual, or transgender (LGBT). However, much of the focus in research and in clinical practice is on female patients who present for fertility treatment. The literature and clinical focus is relatively limited for the growing number of gay men presenting for fertility treatment. Although gay men represent a minority of patients presenting for treatment, the use of surrogacy by gay men has been steadily increasing since the “gay baby boom” of the 1990s. Although there is limited research on gay men who use surrogacy to grow their families, they are likely to be at risk of discriminatory behaviors similar or greater than that experienced by lesbian and transgender patients at some fertility clinics. Social stereotypes about who should be allowed to parent and their assumed motivations for parenthood can be particularly harmful for men who conceive. Even in the absence of discriminatory behaviors, gay male patients must overcome similar and unique obstacles compared to lesbian, transgender, and bisexual patients undergoing fertility treatment. In addition to the social and treatment-related obstacles, gay male patients must also face the ambiguous legal and social status for children conceived by all LGBT couples. Although federal marriage is now the law of the land, many parenting laws have yet to be altered to provide parenting rights to gay families. Further, the uniqueness of gay male parenting via surrogacy and egg donation is associated with other recent legal cases and highlights the importance of the provision of appropriate counseling to gay male patients who desire family-building via fertility treatment. Multiple unique treatment issues could arise during the course of fertility treatment with gay male patients that may expose these patients to unnecessary emotional risk. A partner’s gametes could not result in desired outcomes. If two gestational carriers are employed and one miscarries, does not get pregnant, or conceives a child with medical challenges while the other woman does not experience such events, this may expose the partners to risk of psychological distress, resentment, and relationship discord. To address these issues, increased awareness and attention is needed from ART practitioners, clinic staff, mental health professionals, and attorneys. This session will address and update the medical, psychosocial, ethical, and legal issues in treating gay male patients and will provide direction to providers for how to address these issues in their clinics. This live course is designed for physicians, nurses, nurse practitioners, attorneys, psychologists, administrators, and other allied health professionals.

ACGME Competency
Interpersonal and Communication Skills
Professionalism

Interprofessional Competency
Values/Ethics for Interprofessional Practice

Learning Objectives
At the conclusion of this course, participants should be able to:
1. Review legal issues that arise for gay male couples pursuing fertility treatment.
2. Summarize psychological issues surrounding gay male patients who present for fertility treatment.
3. Examine their own clinic practices and determine what changes should be made to make their clinic a safer and supportive environment for gay male patients.
4. Describe unique treatment-related ethical issues that may arise in the course of fertility treatment with gay male patients.
SATURDAY, OCTOBER 13, 2019  HALF DAY, 1:15 PM - 5:00 PM

PC10  The Transgender Couple and Infertility: A Complicated Journey  CME
Developed in Cooperation with the Legal Professional Group (LPG), Mental Health Professional Group (MHPG), Nurses’ Professional Group (NPG), and the LGBTQ Special Interest Group

This half-day course is approved for a maximum of 3.5 AMA PRA Category 1 Credits™.

Faculty
Jennifer M. Wood, R.N, B.S.N. (Chair)
Shady Grove Fertility Center
Jamie M. Joseph, Ph.D.
Private Practice
Marjorie E. Dixon, M.D.
Anova Fertility and Reproductive Health

ACGME Competency
Patient Care
Professionalism

Learning Objectives
At the conclusion of this course, participants should be able to:
1. Summarize the complexities of fertility treatment in transgender patients and identify various areas in practice and marketing that could improve the patient experience.
2. Explain the importance of mental health providers in fertility support as well as emotional support with the difficult decisions that transgender patients are faced with for treatment.
3. Identify common misconceptions related to transgender patients and couples and provide resources for staff to better understand the patient journey.
4. Discuss various legalities regarding sex and gender, legal documentation issues, as well as consenting adolescents for fertility preservation.

Needs Assessment and Description
The entire reproductive team needs a robust understanding of the complexities of transgender patients, particularly in light of the ever-changing landscape of patients seeking fertility treatment. Collaboration is critical between the fertility team, mental health professionals, legal professionals and other LGBTQ resources. Fertility health-care providers and support staff need to be aware of resources available to support transgender couples faced with infertility, even when fertility preservation measures have been completed before their transition. An ASRM Gap Analysis identified fertility treatment and fertility preservation in the lesbian, gay, bisexual, and transgender (LGBT) population as an educational need to improve practice awareness and transgender patient experience in family-building. The course will explore some of the challenges transgender patients face which are further compounded when they are finding themselves struggling with infertility. It will focus on recognizing the emotional and medical needs of transgender patients pursuing fertility treatment and will examine the unique challenges of patients seeking fertility preservation after transitioning as well as considerations for adolescents before beginning transition hormones. In addition, this educational program will address some of the legalities of transgender patients including but not limited to changing their sex on legal documentation and its impact upon seamless patient care. This live course is targeted to reproductive endocrinologists, mental health professionals, nurses, nurse practitioners, legal professionals, and other professionals in reproductive care to address psychological, ethical, and legal issues in treating transgender patients.
SUNDAY, OCTOBER 13, 2019

PC11 Reproductive Aging: Meeting the Challenges in Clinical and Laboratory Practice
Developed in Cooperation with the Turkish Special Interest Group

Faculty
Kutluk Oktay, M.D., Ph.D. (Chair)
Yale University School of Medicine
Murat Sonmez, M.D.
Ankara University School of Medicine
Aleksander Rajkovic, M.D.
University of Pittsburgh
Nanette Santoro, M.D.
University of Colorado, Denver

Needs Assessment and Description
The consequences of reproductive aging affect both women and men. While many practitioners are aware of the significance of reproductive aging, some might have limited understanding of its underlying mechanisms, possible diagnostic approaches, and potential treatments. An ASRM Gap Analysis identified a significant education and training gap on the known mechanisms of reproductive aging, due at least in part to recent rapid advances in preimplantation genetic diagnosis technology. The goals of this activity are to update practitioners on available laboratory and clinical remedies in addressing reproductive aging while providing insight into areas of development and research. Lectures and discussions by the expert faculty will strengthen the skills of practitioners dealing with clinical and laboratory challenges related to reproductive aging. This live course is designed for reproductive endocrinologists, embryologists, fellows, researchers, patient advocates, genetic counselors, geneticists, and nurses.

ACGME Competency
Patient Care
Medical Knowledge

Learning Objectives
At the conclusion of this course, participants should be able to:
1. Develop diagnosis and treatment strategies for individuals with reduced gamete reserve.
2. Identify genetic methods to diagnose gametes and embryos affected by the reproductive aging process.
3. Summarize the known mechanisms of reproductive aging.
4. Describe future treatments for reproductive aging that are in trials or in development.

Fertility and Sterility®
The editorial team at Fertility and Sterility is pleased to announce a special Journal Club Global live from The ASRM 2019 Scientific Congress & Expo to discuss a recently published article. This exciting event will be streamed live on Saturday, October 12, 2019, at 5:15 pm (EST). Please join us live in Philadelphia or register to watch online.
PC12 **Next-generation Assisted Reproductive Technology (ART): Personalized Reproductive Medical Management**  
Developed in Cooperation with the Middle Eastern Fertility Society (MEFS)

**Faculty**  
Johnny Awwad, M.D. (Co-Chair)  
American University of Beirut  
Mohamed Aboulghar, M.D. (Co-Chair)  
Egyptian IVF Center  
Alan Penzias, M.D.  
Boston IVF  
Matheus Roque, M.D., Ph.D.  
ORIGEN - Center for Reproductive Medicine, Rio de Janeiro, Brazil

**Needs Assessment and Description**  
Significant advancement in the field of assisted reproduction lately has favored personalizing treatment recommendations on the basis of individual patient characteristics. As the number of clinical, hormonal, and genetic biomarkers available to physicians has increased, predictive models that integrate multiple variables have become attractive strategies to guide medical decision-making for the purpose of bringing greater efficiency and safety to reproductive practices. The burden of medical information has grown so rapidly and controversially over the past few years that reaching a level of understanding has become challenging and confusing to the individual physician. This activity appraises scientific evidence which evaluates the pros and cons of current reproductive practices with the aim of developing best practice models while leveraging the significance of relevant biomarkers and the contribution of clinical variables. Through an active learning format that evolves around team-based problem-solving of clinical vignettes, this course will help clinicians, embryologists, scientists, and allied health professionals update and gain basic and advanced knowledge of treatment and management protocols based on individual patient characteristics.

**ACGME Competency**  
Patient Care  
Medical Knowledge

**Learning Objectives**  
At the conclusion of this course, participants should be able to:  
1. Design ovarian stimulation protocols tailored to patients’ individual characteristics.  
2. Demonstrate safe strategies to trigger final oocyte maturation without compromising outcome.  
3. Identify clinical parameters associated with improved outcomes related to freeze-all policy.  
4. Evaluate the advantages of a day-5 versus day-3 embryo transfer.  
5. Develop a management approach to improve the use of elective single-embryo transfer while maximizing benefit.

Due to the team-based learning format, this course is limited to 100 participants.
PC13 First 20 Years of Stem Cells: From First Isolation to Clinical Use
Developed in Cooperation with the European Society of Human Reproduction and Embryology (ESHRE)

Faculty
Cristina Eguizabal, Ph.D. (Chair)
Unidad de Terapia Celular y Celulas Madre
Susana Chuva de Sousa Lopes, Ph.D.
LUMC Leiden

Needs Assessment and Course Description
The 20th anniversary of the derivation of human pluripotent stem-cell (hPSC) lines offers an ideal opportunity to look back over the past 20 years in this field, as well as to look forward to what the future may hold. This Pre-Congress course will review the history of hPSC derivation in the context of the scientific and technical environment at the time, then proceed to give a historical account of the development of the field of stem-cell research with a special emphasis on regenerative medicine and clinical applications. This course for embryologists, stem-cell researchers, reproductive genetic researchers, physicians, nurses, genetic counselors, and all allied health professionals will help bridge the gap between the past and future clinical research of stem cells.

ACGME Competency
Medical Knowledge

Learning Objectives
At the conclusion of this seminar, participants should be able to:
1. Review the history of human pluripotent stem cells (hPSC).
2. Discuss the development of the field of stem-cell research.
3. Summarize the use of stem cells in regenerative medicine and clinical applications.
How to Optimize Assisted Reproductive Technology (ART) Success: From Lab to Clinic
Developed in Cooperation with and presented by the Chinese Special Interest Group

Faculty
Rong Li, M.D. (Chair)
Peking University Third Hospital
Yanwen Xu, M.D.
First Affiliated Hospital of Sun Yat-sen University
Huailiang Feng, Ph.D., H.C.L.D.
New York-Presbyterian Health System Affiliate Weill Cornell Medical College
Ge Lin, M.D., Ph.D.
Reproductive and Genetic Hospital of CITIC-XIANGYA

Needs Assessment and Description
In the last decades, human in vitro fertilization (IVF) has become more successful, more tolerable, and easier to perform. The IVF laboratory has improved significantly in the past three decades with new media and equipment for embryo cultures and a significant amount of new scientific knowledge. Additional technologies extending the scope and efficiency of IVF have been developed and implemented, including intracytoplasmic sperm injection, preimplantation genetic testing, and cytotechnology which allows for the freezing and storage of sperm, oocytes, embryos, and testicular and ovarian tissue. Even so, fertilization failure continues to be an unpredictable and significant limitation to IVF success. An ASRM Gap Analysis identified optimization of ART success as an educational need; despite technologic advances, when a morphologically normal blastocyst is transferred into a seemingly normal uterus during IVF, the reproductive success of a cycle is very limited and has not significantly improved since the 1990s. This course will involve current clinical and laboratory issues such as sperm deoxyribonucleic acid (DNA) fragmentation index (DFI), artificial intelligence technology in ART, oocyte cryopreservation, and genomic technology. The course is targeted to assist physicians, laboratory scientists, embryologists, and all health professionals in applying treatment strategies to improve pregnancy outcomes of infertile women.

ACGME Competency
Patient Care
Medical Knowledge

Learning Objectives
At the conclusion of this course, participants should be able to:
1. Summarize factors that may affect pregnancy outcomes of IVF.
2. Discuss possible clinical and laboratory measures to improve the pregnancy outcome of IVF.
3. Describe genomic technology in the field of reproductive health.
PC15  Testicular Biopsy: Converting Diagnostic Measures into Efficient Laboratory/ Intracytoplasmic Sperm Injection (ICSI) Outcomes
Developed in Cooperation with the Society for Male Reproduction and Urology (SMRU) and the Society of Reproductive Biologists and Technologists (SRBT)

Faculty
Shane Zozula, B.S. (Chair)
Ovation Fertility
Aaron Spitz, M.D.
Orange County Urology Associates, Inc.
Delores Lamb, Ph.D.
Weill Cornell Medicine Center for Reproductive Medicine
Joseph Alukal, M.D.
New York University School of Medicine

Needs Assessment and Description
The harmonization of urology with clinical and laboratory activities can be challenging as severe male-factor cases can complicate scheduling, consume hours of staff time, and result in unpredictable, substandard specimen-processing outcomes. Are there simpler and more effective ways to attain, process, and cryopreserve testicular sperm that ensure overt post-thaw motility, improved sperm selection, and flexible schedules? Furthermore, how are DNA fragmentation and epigenetic concerns actually influencing clinical and laboratory practices? Meanwhile, diagnostic approaches and clinical preferences have evolved and have been published for the most part on anecdotal beliefs, such as fresh is better than frozen or fresh testicular biopsy (TBx) is better than a poor ejaculated specimen. Much doubt has centered around the concept of reactive oxygen species and its potentially damaging effect to sperm DNA fragmentation index (DFI), but science and theory have yet to be correlated well to clinical outcomes. ASRM has identified gaps in knowledge regarding when to adopt and implement new technology into in vitro fertilization (IVF) laboratories and when to revise protocols to improve patient outcomes and laboratory work flow efficiency. This course will review how diagnostic measures are best integrated into laboratory activities, how pre-freeze in vitro culture and delayed cryopreservation of whole TBx tissue may optimize laboratory activities and patient outcomes. Also discussed will be the role that sperm epigenetic and deoxyribonucleic acid (DNA) fragmentation may play in optimizing laboratory practices. This course is targeted for urologists, embryologists, reproductive endocrinology and infertility physicians, nurses, nurse practitioners, administrators, and clinic staff who want to optimize laboratory activities and patient outcomes.

ACGME Competency
Patient Care
Medical Knowledge
System-based Practice

Learning Objectives
At the conclusion of this course, participants should be able to:
1. Determine how diagnostic measures are best integrated into laboratory activities.
2. Explain when TBx is the preferred option for best practice among all personnel involved.
3. Assess how pre-freeze in vitro culture and delayed cryopreservation of whole TBx tissue optimize laboratory activities and patient outcomes.
4. Evaluate the role that sperm epigenetic and DNA fragmentation may play in optimizing lab practices.
PC16  Polycystic Ovary Syndrome: at the Crossroads of Metabolism and Reproduction
Developed in Cooperation with the Androgen Excess Special Interest Group

Faculty
Daniel A. Dumesic, M.D. (Chair)
University of California, Los Angeles
Oklahoma University Health Sciences Center
Marla E. Lujan, M.Sc., Ph.D.
Cornell University
Joop S.E. Laven, M.D., Ph.D.
Erasmus Medical Centre

Needs Assessment and Description
Women’s health care for polycystic ovary syndrome (PCOS) remains confusing to many health-care providers. Multiple forms of PCOS exist and differ in adverse reproductive and metabolic consequences, ranging from infertility and signs of androgen excess to diabetes and cardiovascular disease. Women with PCOS are often dissatisfied with their health care due to a diagnosis that can be delayed for more than 2 years and visits to three or more health-care providers for confirmation. This course provides an evidenced-based approach to the health care of women with PCOS by integrating lectures relevant to metabolic and reproductive dysfunction with clinical discussions that address the needs of women with PCOS according to age. The course updates knowledge regarding the diagnosis and management of PCOS based upon state-of-the-art technology and addresses early detection of PCOS to optimize the short- and long-term reproductive and metabolic health of women with PCOS and their offspring. This course will assist physicians, nurse practitioners, nurses, nutritionists, fellows, and residents to address the educational needs underlying critical practice gaps by discussing the diagnosis of PCOS, its early warning signs, and providing new information regarding factors impairing fertility and metabolism.

ACGME Competency
Patient Care
Medical Knowledge

Learning Objectives
At the conclusion of this course, participants should be able to:
1. State how the current criteria for diagnosing PCOS are affected by age.
2. Develop a management plan for the infertile patient with PCOS that optimizes her safety and the health of her offspring.
3. Summarize the indications for diagnosing and treating metabolic dysfunction in women with PCOS.

Due to the team-based learning format, this course is limited to 100 participants.
PC17  Transparency in Assisted Reproductive Technology (ART): Understanding the Global Legal, Ethical, and Psychosocial Issues of Information Disclosure in ART Today
Developed in Cooperation with Legal Professional Group (LPG) and the Mental Health Professional Group (MHPG)

Faculty
Lisa Rinehart, R.N., J.D. (Co-Chair)
LegalCare Consulting
Linda Applegarth, Ed.D. (Co-Chair)
Weill Cornell Medical College of Cornell University
Narelle Dickinson, Ph.D.
Greenslopes Obstetrics and Gynaecology (Australia)
Lisa Campo-Engelstein, Ph.D.
Albany Medical College

Needs Assessment and Description
Recent legislation and case law reflect rapid changes in the world of ART, particularly regarding disclosure of information. Many of these new laws introduce requirements for independent legal counsel and mental health counseling. More comprehensive genetic testing/interventions and availability of commercial DNA tests can influence a parent’s meaningful choice regarding disclosure or non-disclosure. This course is designed to examine the complex collaboration of medical clinics, lawyers, and mental health professionals with intended parents, donors, gestational carriers, significant others, clinic providers, and other parties through donor-assisted reproduction. The intersection of legal, cross-cultural, and ethical considerations of a multidisciplinary team will be explored with an emphasis on appropriate responses to questions about disclosure for various health-care and legal disciplines. This interprofessional course will discuss global legislation, cultural mores and values, ethical concerns, and psychological factors that lead to resistance to disclosure and the maintenance of secrecy, and also demonstrate how ART teams can counsel their clients/patients within appropriate cultural, legal, and ethical frameworks. We will present appropriate ways to approach patients about sensitive issues with consideration of cultural and religious backgrounds. This course for physicians, nurses, nurse practitioners, attorneys, mental health professionals, and practice administrators will assist multidisciplinary providers in maneuvering through the quickly changing legal, sociocultural, and psychological realities that clinicians face in donor-assisted reproduction.

ACGME Competency
Professionalism
Interpersonal and Communication Skills

Interprofessional Competency
Values/Ethics for Interprofessional Practice

Learning Objectives
At the conclusion of this course, participants should be able to:
1. Identify best practices and current standards of care in medical, legal, and mental health approaches to ART.
2. Differentiate how legal, ethical, sociocultural, and psychological realities shape practice and attitudes regarding anonymity, secrecy, and privacy in donor-assisted reproduction.
3. Discuss the increased need for a multidisciplinary approach to ART in all patient populations.
4. Describe how legal regulations may impact disclosure decision-making around the world.
5. Identify how different psychosocial and cultural factors affect attitudes regarding disclosure/non-disclosure for parents and clinicians.
6. Interpret how commercial DNA testing influences the ethics of secrecy and disclosure.
PC18  Challenging Reproductive Surgical Scenarios to Optimize Fertility  
Developed in Cooperation with the Society of Reproductive Surgeons (SRS)

Faculty
Steven Lindheim, M.D. (Chair)
Wright State University Integrated OB/GYN Residency Program
John Petrozza, M.D.
Massachusetts General Hospital Fertility Center
Samantha Pfeifer, M.D.
Weill Cornell Medical College of Cornell University
Bala Bhagavath, M.B.B.S.
University of Rochester Medical Center-Strong Memorial Hospital

Needs Assessment and Description
Reproductive surgery continues to play an important role in the treatment of appropriately selected infertility patient. There is a lack of awareness about advanced laparoscopic, endoscopic, and microsurgical techniques, and one in five graduating reproductive endocrinology and infertility (REI) fellows believes that their skill set would be augmented by additional surgical training. This suggests that there is a need for an increased focus on reproductive surgical training, particularly for laparoscopic, endoscopic, and microsurgical techniques. This Pre-Congress course will consist of presentations by experienced reproductive surgeons describing strategies for minimally invasive surgical management of common causes of infertility. This course is designed in a lecture format for recent graduates from fellowship programs and practitioners who wish to enhance their laparoscopic and hysteroscopy skills for challenging scenarios in clinical reproductive infertility to enhance fertility outcome.

ACGME Competency
Patient Care
Medical Knowledge

Learning Objectives
At the conclusion of this course, participants should be able to:
1. Summarize when minimally invasive reproductive surgery is indicated, pearls to help manage specific pathologies, and strategies for managing and minimizing the risks of complications during operative laparoscopy and hysteroscopy.
2. Discuss pelvic and retroperitoneal anatomy and how it applies to myomectomy, extensive endometriosis, ovarian-tubal surgery, septum, cesarean scar isthmocele, Müllerian uterine and vaginal anomalies, and management of complications including bladder and bowel injury.
PC19 Male Reproduction: the Road to Fertility with Bumps on the Way
Developed in Cooperation with the Society for the Study of Reproduction (SSR)

Faculty
Humphrey Hung-Chang Yao, Ph.D. (Chair)
National Institute of Environmental Health Sciences
Tony De Falco, Ph.D.
Cincinnati Children’s Hospital Medical Center
Christopher Geyer, Ph.D.
Brody School of Medicine at East Carolina University
Sarah Kimmins, Ph.D.
McGill University

Needs Assessment and Description
Male reproductive function and fertility involves integration of gene expression, somatic and germ-cell lineages, and environmental inputs during development of the gonads and reproductive tract. Disruptions in these early morphogenic events result in altered body size, metabolism, and immune function, disease susceptibility, and male infertility. Sperm counts have declined 1.4% per year from 1973–2011. Much of this decline in sperm production has been linked to alterations in gonadal development and increased environmental factors such as stress, obesity, and environmental toxins. The purpose of this course is to explore endocrine somatic, immune, and germ-cell lineages and their differentiation in the testis. Furthermore, this course will investigate how genetic and environmental factors may impact male reproductive fertility and health. In an interactive session with the audience, we will also consider genetic and environmental effects on development of the testis and reproductive tract and discuss clinical methods to measure and identify strategies to treat and restore fertility. Clinicians, scientists, embryologists, geneticists, and all health-care professionals will benefit from having more information related to male infertility to use in practice and to explore further research opportunities in male infertility.

This Pre-Congress course complements a Symposium on Monday, October 14, 2019, SSR Symposium:
Fertility Preservation: Existing and Emerging Fertility Preservation Options for Women and Men, which will feature preservation methods and options for women and men.

ACGME Competency
Patient Care
Medical Knowledge

Learning Objectives
At the conclusion of this course, participants should be able to:
1. Differentiate how somatic and germ cells develop in the testis and their impact on the reproductive tract.
2. Discuss the impact of altered cellular differentiation and environment on spermatogenesis.
3. Review the clinical consequences of genetic and environmental inputs on testis development and sperm production.
PC20  Endometriosis: from Diagnosis to Therapeutic Strategy  
(an ASRM-SEUD joint course)  
Developed in Cooperation with the Society of Endometriosis and Uterine Disorders (SEUD)

Faculty  
Felice Petraglia, M.D. (Chair)  
University of Florence  
Charles Chapron, M.D.  
Paris Descartes University  
Stacey Mismer, D.Sc., Sc.D.  
Michigan State University  
Katy Vincent, D.Phil, M.B.B.S  
University of Oxford  

ACGME Competency  
Patient Care  
Medical Knowledge  

Learning Objectives  
At the conclusion of this course, participants should be able to:  
1. Discuss the differential diagnosis of endometriosis with other causes of infertility.  
2. Identify a strategic plan for the treatment of young patients with endometriosis.  

Needs Assessment and Description  
Endometriosis is a common but often misunderstood disease affecting women across the lifespan. Yet, many clinicians and other care providers are not familiar with the etiology, diagnosis, treatment options, and complications of endometriosis. There is an educational need for clinicians who treat patients with infertility and endometriosis to improve knowledge of the hormonal, anatomical, and metabolic aspects of the disorder. This live course on endometriosis will have a multi-level approach, first to develop and enhance knowledge of correct diagnostic approaches, starting from genetic and epigenetic aspects, then to develop and enhance the physician’s awareness of the pathogenesis for understanding the best imaging approach for patients, and finally to lay out all the strategic medical and surgical treatments related to infertility for patients. The course will assist obstetricians/gynecologists, reproductive endocrinology and infertility specialists, nurse practitioners, nurses, allied health providers, fellows, and residents in addressing practical, patient-centered management of endometriosis.
PC21  How to Debate the Scientific Literature With Real World Examples
Developed in Cooperation with Fertility and Sterility

This half-day course is approved for a maximum of 3.0 AMA PRA Category 1 Credits™.

Faculty
Kurt Barnhart, M.D., M.S.C.E.
University of Pennsylvania
Micah Hill, D.O.
National Institutes of Health
Suneeta Senapati, M.D., M.S.C.E.
University of Pennsylvania Perelman School of Medicine
H. Irene Su, M.D., M.S.C.E.
University of California, San Diego

Needs Assessment and Description
Clinicians and health professionals are constantly called upon to decide what treatment is best, evaluate the efficacy of new and standard treatments, and assess if a therapy is cost-effective. The medical literature, and the press, are replete with claims of scientific evidence supporting a claim. Not all experts agree on what is considered strong evidence. There is often debate in the medical literature as to when a therapy is preferred or inferior and it is often difficult to assess who wins a debate on a scientific subject. Is one medication better than another? When should a technology be introduced or rejected? The ASRM needs assessment outlines the need to interpret evidence-based practice of reproductive medicine and assessment of new technologies. This course will review the quality of scientific evidence and how one presents and defends one’s position on a scientific topic. Skills will be reviewed on how to formulate an opinion based on evidence, how to present a strong argument, and if an argument is based on strong scientific underpinnings. We will examine the scientific evidence supporting some of the most frequently employed practices in reproductive medicine such as fresh versus frozen transfer, preimplantation genetic testing for aneuploides (PGT-A), intracytoplasmic sperm injection (ICSI) for non-male factor infertility, and single- versus double-embryo transfer. This live activity will involve the audience by exploring what makes good scientific evidence, how does one present a case for strong evidence, and how can one tell that a proposed point of view is not based on evidence. Themes discussed will include: Can you ever trust observational data? What is a conflict of interest, its implications, and how can we use the data? The perspective will be from editors of scientific journals and consumers of the medical literature. This course is for clinicians, scientists, and allied health professionals in reproductive medicine.

ACGME Competency
Practice-based Learning and Improvement
Medical Knowledge

Learning Objectives
At the conclusion of this course, participants should be able to:
1. Utilize the hierarchy of scientific evidence to assess a scientific claim in the medical literature.
2. Describe how to present a strong specific argument for or against a medical topic such as fresh versus frozen transfer, evidence to support PGT-A, the use of ICSI for non-male factor infertility, and the benefit of endometrial scratching.
3. Summarize strong and weak arguments in a scientific debate.
SUNDAY, OCTOBER 13, 2019  HALF DAY, 1:15 PM - 5:00 PM

PC22  Why the Lab Is Fab: In Vitro Fertilization (IVF) through the Eyes of an Embryologist
Developed in Cooperation with the Society for Assisted Reproductive Technology (SART) and the Society of Reproductive Biologists and Technologists (SRBT)

This half-day course is approved for a maximum of 3.5 AMA PRA Category 1 Credits™.

Faculty
Sangita Jindal, Ph.D.
Montefiore Institute for Reproductive Medicine and Health
Kristen Ivani, Ph.D., H.C.L.D.
Reproductive Science Center of the San Francisco Bay Area
Michael Lee, M.S.
Fertility Solutions, P.C. and Massachusetts Fertility Center, L.L.C.

Needs Assessment and Description
The success of assisted reproductive technology (ART) relies upon an interdisciplinary team that continuously measures the effectiveness of each discipline’s activities and overall outcomes, and is able to discuss and resolve problems when targets are not met. The in vitro fertilization (IVF) laboratory has had a number of changes in practice and performance expectations in the recent past. This course will give physicians, nurses, nurse practitioners, practice managers, scientists, and technicians a better understanding of the workflow, procedures, and strategies for quality management that embryologists employ to optimize laboratory performance.

ACGME Competency
Medical Knowledge

Learning Objectives
At the conclusion of this course, participants should be able to:
1. Explain how clinical decisions may impact key performance indicators in the IVF laboratory.
2. Describe the daily quality control, procedures, and other activities that are performed in the IVF laboratory.
3. Summarize the key performance indicators and elements that compose an effective IVF laboratory quality management program.
PC23  Dietary Supplements and Fertility: Emerging Evidence and Clinical Guidance
Developed in Cooperation with the Endometriosis Special Interest Group and the Nutrition Special Interest Group

This half-day course is approved for a maximum of 3.5 AMA PRA Category 1 Credits™.

Faculty
Sunni Mumford, Ph.D.
Eunice Kennedy Shriver National Institute of Child Health and Human Development
Holly Harris, M.P.H., Sc.D.
Fred Hutchinson Cancer Research Center
Alex Polotsky, M.D., M.S.
Georgetown University

ACGME Competency
Patient Care

Learning Objectives
At the conclusion of this course, participants should be able to:
1. Summarize current methods utilized to investigate the impact of supplements on fertility and endometriosis and be able to interpret published data on the topic.
2. Describe mechanisms in female and male reproductive physiology that may be impacted by dietary supplements.

Needs Assessment and Course Description
The direct-to-patient marketing of supplements is a large and growing industry; supplements are increasingly used by both men and women in an effort to boost their fertility. However, evidence is limited regarding whether these supplements are beneficial or not. There is limited knowledge among fertility-care providers on how to counsel patients about supplement use and consuming a healthy diet. The 2017-2018 ASRM Gap Analysis identified guidance on natural supplements for fertility and infertility as an educational need. This Pre-Congress course will address these knowledge gaps by presenting the latest research from population scientists, reproductive endocrinology and infertility specialists, and registered dieticians, translating this information into usable advice from an expert clinical perspective. There will be an additional focus on the role of supplements with gynecologic conditions such as endometriosis. This course targeted to primary-care physicians, reproductive-medicine and specialty physicians, physician assistants, nurses, nurse practitioners, laboratory scientists, and dieticians will not only present complementary views across professional groups, but how to interact across disciplines to advance research in this area to obtain the best outcomes for fertility patients.
SUNDAY, OCTOBER 13, 2019  HALF DAY, 1:15 PM - 5:00 PM

PC24  Therapies for Uterine Fibroids  CME
Developed in Cooperation with the Fibroids Special Interest Group

This half-day course is approved for a maximum of 2.75 AMA PRA Category 1 Credits™.

Faculty
Digna R Velez Edwards, Ph.D., M.S.
Vanderbilt University Medical Center
William Catherino, M.D., Ph.D.
Uniformed Services University of the Health Sciences
Jeffrey Goldberg, M.D.
The Cleveland Clinic Foundation

ACGME Competency
Medical Knowledge
Patient Care

Learning Objectives
At the conclusion of this course, participants should be able to:
1. Describe the state of current research on the effectiveness of fibroid treatments.
2. Summarize the current best practice for the treatment of uterine fibroids.
3. Discuss a broad overview of future directions of fibroid treatments.

Needs Assessment and Description
Fibroids affect a large percentage of reproductive aged women and can be associated with heavy and painful menses, pelvic pain, infertility and pregnancy complications. An increasing number of surgical and nonsurgical treatments have been developed. Depending on reproductive desires, treatment recommendations for fibroids continue to change as research trials and systematic reviews of evidence reveal new knowledge about comparative effectiveness. This course will provide an update on the latest developments and current best practices in the clinical management of patients with uterine fibroids, including data from evidence-based research and clinical practice. The course is designed for clinicians, clinical scientists, and basic researchers.

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.
### PC25 Interprofessional Approach to Manage Reproductive Failure due to Elevated Sperm DNA Fragmentation: from Etiologies to Diagnostic Approaches and Management Strategies

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

This half-day course is approved for a maximum of 3.0 AMA PRA Category 1 Credits™.

**Faculty**
- Peter Chan M.D., C.M., M.Sc., F.R.C.S.(C), F.A.C.S.
  McGill University
- Gianpiero Palermo, M.D., Ph.D.
  Cornell University

**Needs Assessment and Course Description**

Male factor infertility can be identified in about half of infertile couples. In the remaining couples, unexplained infertility remains one of the most common and challenging diagnostic categories of reproductive failure. Evaluation of sperm DNA and chromatin quality has been a tool in basic science research among spermatologists for decades. Recent studies have found that elevated levels of sperm deoxyribonucleic acid (DNA) fragmentation, a condition undetectable by conventional semen analyses, are associated with adverse reproductive outcomes including prolonged time to pregnancy, poor embryo quality and development, pregnancy loss, and decreased rates of both pregnancy and live-birth. Despite being one of the most successful examples of knowledge translation from basic science to clinical use, standard evaluation methodologies for sperm DNA fragmentation, and thus this test is not yet considered to be a part of the standard evaluation in infertile couples. Further, the most efficacious and cost-effective management options for men with elevated sperm DNA fragmentation remain to be established. This Pre-Congress course will provide a comprehensive review of the latest developments in both basic science aspects and in the clinical values of evaluation for sperm DNA fragmentation. In collaboration with world-renowned experts in multiple disciplines including basic science, andrology, clinical embryology and reproductive urology, we will discuss the etiologies, evaluation approaches, and management strategies of elevated sperm DNA fragmentation in the context of reproductive failure.

**ACGME Competency**
- Medical Knowledge
- Patient Care

**Learning Objectives**

At the conclusion of this course, participants should be able to:
1. Describe the indications for evaluation of sperm DNA and chromatin integrity in the management of infertile couples.
2. Explain the various methodologies currently available in the evaluation of sperm DNA and chromatin integrity.
3. Discuss various proposed etiologies of abnormal sperm DNA fragmentation and the efficacies of different potential management options for the condition.
SUNDAY, OCTOBER 13, 2019

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.

3:00 pm - 5:00 pm
Personal Finance for Physicians Workshop
Stuart S. Howards, M.D.
University of Virginia
$25 Fee

In this non-CME workshop, attendees will receive objective advice and education regarding personal finances (practice finances will not be covered). Topics will include the following: insurance, legal considerations, investments (general principles), retirement investments and planning, savings for college expenses, and estate planning.

6:00 pm
ASRM 75th Anniversary Gala
National Constitution Center
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@asrm.org.

TUESDAY, OCTOBER 15, 2019

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

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

See pages 66 - 71 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>Event</th>
<th>Speaker and Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monday, October 14, 2016</td>
<td>12:15 - 1:15 pm</td>
<td>Venture Capital, Private Equity, and Assisted Reproduction: Investing in Innovation in IVF</td>
<td>David Sable, M.D., Columbia University</td>
</tr>
<tr>
<td>Tuesday, October 15, 2019</td>
<td>12:15 - 1:15 pm</td>
<td>Human Genome Editing: Roles and Responsibilities of Fertility Clinics</td>
<td>Françoise Baylis, C.M., O.N.S., Ph.D., F.R.S.C., F.C.A.H.S., Dalhousie University</td>
</tr>
<tr>
<td>Wednesday, October 16, 2019</td>
<td>12:15 - 1:15 pm</td>
<td>Male Infertility Case Discussion</td>
<td>John Amory, M.D., M.P.H., University of Washington</td>
</tr>
</tbody>
</table>
What you should know about the ASRM 2019 Scientific Congress & Expo

1. We’ve kept lunch! 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. Philadelphia offers lots of local spots to enjoy close to the convention center!

2. 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!

3. Check out our Roundtable discussions – 40 Monday, 35 Tuesday, and 30 Wednesday!

4. We’ve brought back Journal Club Global – live at our ASRM 2019 Scientific Congress & Expo! The editorial team at Fertility and Sterility is pleased to announce a special Journal Club Global live from The ASRM 2019 Scientific Congress & Expo to discuss a recently published article. This exciting event will be streamed live on Saturday, October 12, 2019, at 5:015 pm (EST). Please join us live in Philadelphia or register to watch online.

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 search by poster number, author name, or title!

7. Video sessions have been expanded! Now we have a Video Program Prize Session on Monday and two additional video sessions on Tuesday and Wednesday afternoons.

8. 75th Anniversary 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@asrm.org.
Needs Assessment and Description

The theme of the 2019 Scientific Congress of the American Society for Reproductive Medicine is “Celebrating 75 Years of History and Innovation.” Reproductive medicine covers a broad range of topics from puberty to menopause, in both the female and male. Its depths of focus include basic science, translational and clinical areas. This Scientific Congress will explore advances in reproductive care and cutting-edge research in the field presented by expert scientists and clinicians. The program is balanced between basic and clinical research at all levels, applied medical care, and ancillary fields crucial to family-building including clinical laboratory science, mental health, reproductive law. 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.

The Continuing Medical Education (CME)/Continuing Education (CE) portion of the Scientific Congress will include a wide array of educational activities, including plenary lectures, symposia, and interactive sessions interweaving the theme of this year’s Congress. Plenary lectures will feature exceptional speakers covering a wide range of themes in reproductive research and clinical medicine including: closing the generational gap between practitioners and patients; using live imaging to reveal the mechanisms that form the mammalian embryo; exploring the ethics of human germline editing; and understanding the role of elective egg freezing on the care of infertility patients. Congress symposia will provide more in-depth coverage of basic and clinical subjects. Topics range from ethics in embryo research, usefulness of specialized sperm function tests, new updates on therapies for infertility in polycystic ovary syndrome (PCOS), management of infertility in low resource settings, family building and co-parenting in the 21st century, oogonial stem cells to improve oocyte quality and ovarian reserve; building high functioning teams in the embryology laboratory, the endometrium and recurrent pregnancy loss, looking beyond the XX factor, infertility and tuberculosis, controversies in assisted reproductive technology (ART), fertility preservation options for women and men, regenerative medical therapies for reproductive medicine, access to fertility preservation care from policy to the patient; quality management issues in human ART, marketing your practice in a competitive market, fertility trajectory of Klinefelter syndrome from childhood to adulthood, patient-centered research in uterine fibroids, management of mosaic embryos after PGT-A in ART, oocyte maturation in vitro and female fertility preservation, status of growing gametes and embryos, developing an egg freezing program in your practice, fertility preservation for transgender youth, novel therapies for the treatment of Asherman syndrome, risk management in patient education and consenting, ovarian stimulation protocols to improve results in assisted reproduction, and psychological, medical, and legal aspects of implementing an embryo donation program in a practice.

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 non-invasive preimplantation genetic testing, moving hysteroscopy from the operating room to the office, Mullerian classification debate, reproductive epigenetics and mitochondria, environmental threats to reproduction, egg and embryo banking prior to advancing maternal age, insights from vertebrate model reproductive organ regeneration, disclosure implications of intentional and unintentional donor identity, how to handle mosaic embryos, hysterectomy versus utero-vaginal anastomosis to treat cervical agenesis, universal insurance coverage for IVF, key performance indicators for the IVF lab, and innovative approaches to treat dysmenorrhea, miscarriages, primary ovarian insufficiency, and recurrent pregnancy loss. 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 that can enable participants to focus on specific topics and identify areas to expand their knowledge. The 2019 Scientific Congress should provide ample opportunity for learning, improvement of clinical competence, and potential scientific collaboration.

Learning Objectives

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

1. Summarize appropriate treatments for reproductive dysfunctions in females and males at different ages throughout life—childhood, adolescence, adulthood, and reproductive senescence.
2. Discuss the relevance of genetics and genomics to reproductive care.
3. Analyze the ethical, legal, and psychosocial ramifications of reproductive technologies on family building.
4. Apply strategies that simplify technology, reduce costs, and broaden accessibility to assisted reproductive technology care.
5. Examine current knowledge and innovative approaches to treat endometriosis, fibroids, miscarriages, menopause, contraception, polycystic ovary syndrome, Klinefelter syndrome, and Asherman syndrome.
6. Describe how the extensive range of reproductive technologies from the cellular level to clinical application impact family building.
7. Explain the latest scientific advances in embryo biology and assessment to the optimization of embryo transfer.

ACGME Competencies

Interpersonal and Communication Skills
Patient Knowledge
Professionalism
Systems-based Practice

Interprofessional Competencies

Values/ethics for interprofessional practice
Roles/responsibilities
Interprofessional communication
Teams and teamwork
**2019 SCIENTIFIC CONGRESS DAILY SCHEDULE**

**SUNDAY, OCTOBER 13, 2019**

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

1:00 pm - 5:00 pm  
Poster Setup

3:00 pm - 5:00 pm  
Workshop  
Personal Finance for Physicians  
Stuart S. Howards, M.D.  
University of Virginia

10:00 am - 10:45 am  
Break

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

11:00 am - 12:00 pm  
MHPG Clinical Session (Research)  
Research Isn’t Just for Nerds: The Easy How-To’s of Conducting Publishable Research in the Field of Reproductive Medicine  
Alice Domar, Ph.D.  
Boston IVF  
Lauri Pasch, Ph.D.  
University of California, San Francisco

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

1:30 pm - 2:30 pm  
Interactive Session  
Key Performance Indicators for the IVF Lab  
Amy Sparks, Ph.D. (Chair)  
University of Iowa  
Alison Bartolucci, M.S.  
University of Connecticut  
Dean Morbeck, Ph.D., M.B.A., H.C.L.D.  
Fertility Associates, Auckland, NZ

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

1:00 pm - 5:00 pm  
Poster Setup

3:00 pm - 5:00 pm  
Workshop  
Personal Finance for Physicians  
Stuart S. Howards, M.D.  
University of Virginia

**MONDAY, OCTOBER 14, 2019**

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: Closing the Generational Gap Between Practitioners and Patients  
Endowed by a 1987 grant from Ortho Women’s Health  
Ryan Jenkins  
Speaker, Author, and Inc. Magazine Columnist

9:15 am - 10:00 am  
Plenary  
Camran Nezhat, M.D. Lectureship in Innovations in Medicine: Using Live Imaging to Reveal the Mechanisms That Form the Mammalian Embryo  
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. Nicholas Plachta, Ph.D. Institute for Molecular and Cell Biology, A*STAR

10:00 am - 11:00 am  
Interactive Session  
An Integrative Approach to Treating Dysmenorrhea Associated with Endometriosis  
Peter Harvey, M.B.A., L.Ac., F.A.B.O.R.M. (Chair)  
Eastern Healing, Inc.  
Charles E. Miller M.D.  
The Advanced IVF Institute

10:15 am - 11:15 am  
Interactive Session  
No Satisfaction: Psychological and Medical Perspectives on Infertility and Sexual Dysfunction  
William Petok, Ph.D. (Chair)  
Thomas Jefferson University  
Elizabeth Grill, Ph.D.  
Weill Cornell Medical Center  
Robert Oates, M.D.  
Boston University School of Medicine  
Kim Bergman, Ph.D.  
Growing Generations

11:00 am - 11:45 am  
Interactive Session  
How Do We Reach the Goal of Universal Insurance Coverage for IVF?  
Christopher Herndon, M.D. (Chair)  
University of Washington  
Jacqueline Ho, M.D.  
University of Southern California

11:45 am - 12:15 pm  
Break/Lunch

12:15 pm - 2:30 pm  
Interactive Session  
No Satisfaction: Psychological and Medical Perspectives on Infertility and Sexual Dysfunction  
William Petok, Ph.D. (Chair)  
Thomas Jefferson University  
Elizabeth Grill, Ph.D.  
Weill Cornell Medical Center  
Robert Oates, M.D.  
Boston University School of Medicine  
Kim Bergman, Ph.D.  
Growing Generations

12:15 pm - 1:15 pm  
Plenary  
Resident Learning Session

12:30 pm - 2:00 pm  
Resident Learning Session
1:30 pm - 2:30 pm Interactive Session
Moving Hysteroscopy from the Operating Room to the Office: Essentials for Success, Safety, and Patient Satisfaction
Steven Lindheim, M.D. (Chair)
Write State University
Stefano Bettocchi, M.D.
University of Bari, Italy
Keith Isaacson, M.D.
Harvard Medical School
Brad Senstra, M.H.A.
Seattle Reproductive Medicine

2:35 pm - 3:20 pm Lecture
IVF as a Business
Endowed by a 1990 grant from TAP Pharmaceutical
David Sable, M.D.
Columbia University

4:15 pm - 5:30 pm Symposium
Are Specialized Sperm Function Tests Clinically Useful?
Armand Zini, M.D., F.R.C.S.C. (Chair)
McGill University
Sandro Esteves, M.D., Ph.D., M.Sc.
Androfert
Douglas T. Carrell, Ph.D.
University of Utah School of Medicine

1:30 pm - 2:30 pm Interactive Session
Non-invasive Preimplantation Genetic Testing (NIPGT): Is it Applicable for ART Practice?
Svetlana Rechitsky, Ph.D. (Chair)
Florida International University
Dagan Wells, Ph.D.
University of Oxford
Carlos Rubio, Ph.D.
Igenomix

2:35 pm - 3:20 pm Lecture
The David and Rosemary Adamson Lecture on Excellence in Reproductive Medicine: Midnight's Broken Toll: Male Fertility and the Health of Future Generations
Endowed by Advanced Reproductive Care, Inc. and Rosemary and David Adamson, M.D.
University of Newcastle

4:15 pm - 5:30 pm Symposium
New Updates on Therapies for Infertility in Polycystic Ovary Syndrome (PCOS)
Juha Tapanainen, M.D., D.M.S. (Chair)
University of Helsinki, Finland
Richard S. Legro, M.D.
Penn State College of Medicine
Joop Laven, M.D.
Tel Aviv University Medical School

1:30 pm - 2:30 pm Interactive Session
Counseling Patients on Mosaicism
JoRene Bigler-Vollman, R.N., M.S.N. (Chair)
Lisa Rinehart, J.D., R.N.
LegalCare Consulting, Inc.
Andria Besser, M.S., C.G.C
New York University Langone Fertility Center

4:15 pm - 5:30 pm Symposium
Management of Infertility in Low Resource Settings
Christopher Herndon, M.D. (Co-chair)
University of Washington
Julia V. Johnson, M.D. (Co-chair)
University of Massachusetts Medical School
Sheryl Vanderpoel, Ph.D.
Population Council, W.H.O. (retired)
Kevin J. Doody, M.D.
UT Southwestern Medical Center
Melissa Harmon, R.N.
CARE Fertility

1:30 pm - 2:30 pm Interactive Session
Best Practices in Miscarriage Management
Courtney Schreiber, M.D. (Chair)
University of Pennsylvania
Sarah Prager, M.D., M.A.S.
University of Washington
Sarah Horvath, M.D.
University of Pennsylvania

4:15 pm - 5:30 pm Symposium
The New Modern Family: Family-building and Co-parenting in the 21st Century
Linda Kondilis, Psy.D. (Chair)
Private Practice
Laurie McKenzie, M.D.
Houston IVF
Heather Ross, J.D.
Ross & Zuckerman, LLP
4:15 pm - 5:30 pm  
**Symposium**  
**Ovarian Tissue Cryopreservation and Transplantation: 20 Years of Progress**  
Kutlutug Oktay, M.D., Ph.D. (Chair)  
Yale University School of Medicine  
Isabelle Demeestere, M.D.  
University Libre ded Bruxelles  
Nao Suzuki, M.D.  
Marianna University, Japan  

4:15 pm - 5:30 pm  
**Symposium**  
**How to Build High Functioning Teams in the Embryology Lab**  
Blake R. Welch, M.B.A. (Chair)  
Chicago IVF  
David Ball, Ph.D.  
Seattle Reproductive Medicine  

4:15 pm - 5:30 pm  
**Symposium**  
**The Endometrium and Recurrent Pregnancy Loss**  
Sony Sierra, M.D., M.Sc., F.R.C.S.C. (Chair)  
TRIO Fertility  
Mary Stephenson, M.D., M.Sc., ELAM  
University of Illinois Hospital and Health Sciences System  
Ruth Lathi, M.D.  
Stanford University  

4:15 pm - 5:30 pm  
**Symposium**  
**ESHRE Symposium: Looking Beyond the XX Factor**  
Jackson Kirkman-Brown, M.B.E. (Chair)  
University of Birmingham  
Adam Watkins, Ph.D.  
The University of Nottingham  

4:15 pm - 5:30 pm  
**Symposium**  
**ISAR Symposium: Genital Kochs and Infertility**  
Hrishikesh Pai, M.D., M.Sc. (Chair)  
Bloom IVF Lilavati Hospital  
Jaideep Malhotra, M.B.B.S., M.D.  
Rainbow IVF  
Madhuri Patil, M.B.B.S., M.D.  
Patil Fertility and Endoscopic Clinic  
Firuza Parikh, M.D.  
Jaslok Hospital and Research Centre  
Rishma Dhillon Pai, M.D.  
Lilavati Hospital  

4:15 pm - 5:30 pm  
**Symposium**  
**MEFS Symposium: Controversies in ART**  
University of South Alabama  
Richard Paulson, M.D.  
Keck School of Medicine of the University of Southern California  
Bruce Shapiro, M.D., Ph.D., H.C.L.D.  
Fertility Center of Las Vegas  

4:15 pm - 5:30 pm  
**Symposium**  
**SSR Symposium: Fertility Preservation- Existing and Emerging Fertility Preservations Options for Women and Men**  
Mary B. Zelinski, Ph.D. (Chair)  
Oregon Health & Sciences University  
So-Youn Kim, PhD  
University of Nebraska Medical Center  
Kyle Orwig, Ph.D.  
University of Pittsburgh  

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

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**Tuesday, October 15, 2019**  

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

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

8:30 am - 9:15 am  
**Plenary**  
**Is Human Germline Editing Ethical?**  
Endowed by a 1990 grant from Astra-Zeneca  
Francoise Baylis, C.M., O.N.S., Ph.D., FRSC, FCAHS  
Dalhousie University  

9:15 am - 10:00 am  
**Plenary**  
**Planned Oocyte Cryopreservation: A Patient's Perspective**  
Endowed by a 1992 grant from Wyeth.  
Brigitte Adams  
Founder, Eggsurance  

10:00 am - 10:45 am  
**Break**  

10:45 am - 12:15 pm  
**Scientific Congress Prize Paper Session 2**  

12:15 pm - 1:15 pm  
**Roundtables**  

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**Plenary lectures will be translated simultaneously into Spanish and Mandarin Chinese for members of the audience.**
1:30 pm - 2:30 pm Interactive Session
**Insights from Vertebrate Model Reproductive Organ Regeneration: How Do We Unlock Our Regenerative Potential**

Kyle Orwig, Ph.D. (Chair)
University of Pittsburgh
James R. Monaghan, Ph.D.
Northeastern University College of Science

1:30 pm - 2:30 pm Interactive Session
**Medical and Lifestyle Treatment Options in PCOS, More Than Just Metformin**

Nanette Santoro, M.D. (Chair)
University of Colorado Denver
Anuja Dokras, M.D., Ph.D.
University of Pennsylvania Perelman School of Medicine
Heather G. Huddleston, M.D.
University of California, San Francisco

1:30 pm - 2:30 pm Interactive Session
**Mosaicism Exposed – How to Handle Mosaic Embryos**

Timothy N. Hickman, M.D. (Chair)
Houston IVF
Mandy Katz-Jaffe, Ph.D.
Colorado Center for Reproductive Medicine
Lauri Black, M.S., C.G.C.
Pacific Reproductive Genetic Counseling

1:30 pm - 2:30 pm Interactive Session
**Beyond Disclosure: The Psychological, Social, Legal, and Genetic Implications of Intentional and Unintentional Donor Identity**

Claudia Pascale, Ph.D. (Chair)
Institute for Reproductive Medicine and Science
Judith Daar, J.D.
Whittier Law Firm
Heidi Hayes, M.A.
California Cryobank
Neha Kumar, Sc.M.
Invitae

1:30 pm - 2:30 pm Interactive Session
**Cervical Agenesis - Hysterectomy vs Utero-Vaginal Anastomosis**

Stephanie J. Estes, M.D. (Chair)
Penn State Milton S. Hershey Medical Center
Bala Bhagavath, M.B.B.S.
University of Rochester Medical Center
Leslie Ayensu-Coker, M.D.
Cincinnati Children’s Hospital Medical Center

1:30 pm - 2:30 pm Interactive Session
**Debate: Measuring AMH: A Useful Investigation in Recurrent Early Pregnancy Loss?**

Paul Brezina, M.D., M.B.A. (Chair)
Fertility Associates of Memphis
A. Musa Zamah, M.D., Ph.D.
The University of Chicago
Sasha A. Krieg, M.D., Ph.D.
Oregon Health and Science University

1:30 pm - 2:30 pm Interactive Session
**In Vitro Activation for Primary Ovarian Insufficiency: Is it Ready for Prime Time?**

Mindy Christanson, M.D. (Chair)
Johns Hopkins Medical Institute
James H. Segars, Jr., M.D., F.A.C.O.G.
Johns Hopkins School of Medicine
Cesar Diaz-Garcia, M.D., M.P.H.
University of Valencia

2:45 pm - 3:30 pm Lecture

Endowed by a 1990 grant from Ethicon Endo-Surgery, Inc.
Richard M. Satava, M.D., F.A.C.S.
University of Washington

2:45 pm - 3:30 pm Lecture
**Menopause Keynote Lecture: Future Directions on the Management of Menopause**

Rogerio Lobo, M.D.
Columbia University
### Symposiums

#### 4:15 pm - 5:30 pm
- **KY CHA SYMPOSIUM:**
  - Regenerative Medical Therapies For Reproductive Medicine
  - Supported by the Asia-Pacific Biomedical Research Foundation
  - Charles A. Easley, Ph.D., M.S. (Chair)
  - University of Georgia
  - Ina Dobrinski, Ph.D., D.V.M.
  - University of Calgary
  - Hugh S. Taylor, M.D.
  - Yale University

- **Access to Fertility Preservation Care: From Policy to the Patient**
  - Akanksha Mehta, M.D. (Chair)
  - Emory University School of Medicine
  - James Smith, M.D., M.S.
  - University of California, San Francisco
  - H. Irene Su, M.D., M.S.C.E.
  - University of California, San Diego
  - Joyce Reinecke, J.D.
  - Alliance for Fertility Preservation

- **Quality Management in Human ART: Time to Revisit the Issues**
  - Barry Behr, Ph.D. (Chair)
  - Stanford Fertility and Reproductive Medicine Center
  - Mitchel C. Schiewe, Ph.D., M.Sc., M.S.
  - Ovation Fertility
  - Dawn Kelk, Ph.D., H.C.L.D.
  - Yale Fertility Center

- **Implementation of an Embryo Donation Program Within Your Practice: Medical, Legal and Psychological Aspects**
  - Eric Widra, M.D. (Chair)
  - Shady Grove Fertility Center
  - Northwestern University
  - Nidhi Desai, J.D.
  - Family Building Law

- **Fertility Preservation Should Be Offered to Young Patients With Klinefelter Syndrome**
  - Peter Chan M.D., C.M., M.Sc., F.R.C.S.(C), F.A.C.S (Chair)
  - McGill University
  - Robert D. Oates, M.D.
  - Boston University School of Medicine
  - Darius A. Paduch, M.D., Ph.D.
  - Weill Cornell Medical College

- **Patient-Centered Research in Uterine Fibroids: The COMPARE-UF Experience**
  - Elizabeth A. Stewart, M.D. (Chair)
  - Mayo Clinic
  - Sateria Venable
  - The Fibroid Foundation
  - Wanda K Nicholson, M.D., M.B.A., M.P.H.
  - University of North Carolina
  - Evan Myers, M.D., M.P.H.
  - Duke University

- **FDA Symposium: Reproductive HCT/P Donor Eligibility and Compliance Update for Reproductive HCT/P Establishments**
  - Simone P. Porter, M.D., M.P.H. (Chair)
  - Food and Drug Administration, Center for Biologic Evaluation and Research
  - Ping He, M.D.

- **FDA Symposium: Reproductive HCT/P Donor Eligibility and Compliance Update for Reproductive HCT/P Establishments**
  - Simone P. Porter, M.D., M.P.H. (Chair)
  - Food and Drug Administration, Center for Biologic Evaluation and Research
  - Food and Drug Administration, Center for Biologic Evaluation and Research

- **ASPIRE Symposium: New Approach in PCOS**
  - Peng Cheang Wong, M.B.B.S., F.R.C.O.G., F.A.M.S. (Chair)
  - Yong Loo Lin School of Medicine
  - Duru Sha (India)
  - Thi Ngoc Lan Vuong (Vietnam)
  - Budi Wiweko (Indonesia)

- **ALMER Symposium: Management of Mosaic Embryos After PGT-A in ART**
  - Newton Busso, M.D., Ph.D. (Chair)
  - Projeto Alfa
  - Benjamin Sandler, M.D.
  - Reproductive Medicine Associates of New York
  - Carlos E. Sueldo, M.D.
  - Central California IVF Program

- **FDA Symposium: Reproductive HCT/P Donor Eligibility and Compliance Update for Reproductive HCT/P Establishments**
  - Simone P. Porter, M.D., M.P.H. (Chair)
  - Food and Drug Administration, Center for Biologic Evaluation and Research
  - Food and Drug Administration, Center for Biologic Evaluation and Research

- **FDA Symposium: Reproductive HCT/P Donor Eligibility and Compliance Update for Reproductive HCT/P Establishments**
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  - Food and Drug Administration, Center for Biologic Evaluation and Research
  - Food and Drug Administration, Center for Biologic Evaluation and Research
**WEDNESDAY, OCTOBER 16, 2019**

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

8:00 am - 8:45 am
Lecture
American Urological Association Bruce Stewart Memorial Lecture: The Diagnosis & Treatment of Male Infertility: From the Bench to the Bedside
Supported by a grant from the American Urological Association
Larry Lipshultz, M.D.
Baylor College of Medicine

8:45 am - 9:15 am
ASRM Members’ Meeting & Congress Prize Presentation

9:15 am - 10:00 am
Plenary
Herbert H. Thomas Lecture: Justice and the Privitization of Health Data
Endowed by a grant from EMD Serono, Inc.
Kayte Spector-Bagdady
University of Michigan

10:00 am - 10:45 am
Break

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

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

12:15 pm - 1:15 pm
Expert Encounter
Male Infertility Case Discussion
John Amory, M.D., M.P.H.
University of Washington

12:15 pm - 1:15 pm
Roundtables

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

1:30 pm - 2:30 pm
Interactive Session
Egg and Embryo Banking for Family Building Prior to Advancing Maternal Age: A Patient and Laboratory Perspective
Jennifer Mersereau, M.D. (Chair)
UNC Fertility
Kara Goldman, M.D.
Northwestern University
Sangita Jindal, Ph.D.
Montefiore Institute for Reproductive Medicine and Health

1:30 pm - 2:30 pm
Interactive Session
Repeated Implantation Failure – Can We Learn From Endometrial Evaluation?
Svetlana Dambaeva, M.D., Ph.D. (Chair)
Rosalind Franklin University of Medicine and Science
Emilio Francisco Fernandez, M.D.
Clinical Ascondes
Udo R. Markert, M.D.
Placenta Lab, Universitat Klinikum, Germany

1:30 pm - 2:30 pm
Interactive Session
Reproductive Epigenetics and the Mighty Mitochondria
Paul Magarelli, M.D., Ph.D. (Chair)
HQA Fertility Centers
Kelly Lee Whiteside, L.A.C., D.pl.O.M., F.A.B.O.R.M.
Harmony Health, Inc.

1:30 pm - 2:30 pm
Interactive Session
Debate: Mullerian Classification: ESHRE vs ASRM - Which is Better?
John Petrozza, M.D. (Chair)
Massachusetts General Hospital Fertility Center
Samantha Pfeifer, M.D.
Weill Medical College of Cornell University
Artur Ludwin, M.D., Ph.D.
Jagiellonian University, Poland

1:30 pm - 2:30 pm
Interactive Session
Environmental Chemicals and Reproduction: From Knowledge to Action
Jorge Chavarro, M.D., Sc.D. (Chair)
Harvard University
Audrey J. Gaskins, Sc.D.
Emory University
Linda Guidice, M.D., Ph.D.
University of California, San Francisco

1:30 pm - 2:30 pm
Interactive Session
Family Planning Fellows Showcase Frontiers in Complex Family Planning
Maureen Baldwin, M.D., M.P.H.
Oregon Health and Science University
Andrea Roe, M.D., M.P.H.
University of Pennsylvania
Erica Cahill, M.D., M.S.
Stanford University
Nora Doty, M.D., M.C.R.
Hackensack Meridian Health

2:45 pm - 3:30 pm
Lecture
Contraception Keynote Lecture: Male Contraception: Past, Present, and Future
John K. Amory, M.D., M.P.H.
University of Washington

2:45 pm - 3:30 pm
Lecture
SSR Exchange Keynote Lecture: Motile Ciliopathy is a New Cause of Male Infertility
Wei Yan, M.D., Ph.D., AAAS Fellow
University of Nevada

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**2019 SCIENTIFIC CONGRESS DAILY SCHEDULE**

Plenary lectures will be translated simultaneously into Spanish and Mandarin Chinese for members of the audience.

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**75TH ASRM SCIENTIFIC CONGRESS & EXPO**
OCTOBER 12-16, 2019 | PHILADELPHIA, PA

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**Celebrating 75 Years of History and Innovation**

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**BACK TO TABLE OF CONTENTS**
3:45 pm - 5:00 pm
Symposium
Howard and Georgeanna Jones Endowed Symposium on Assisted Reproductive Technology: Growing Gametes and Embryos: Where Are We Now
Endowed by a 2010 educational grant from EMD Serono, Inc.
Rebecca Krisher, Ph.D. (Chair)
Colorado Center for Reproductive Medicine
Michelle Lane, Ph.D.
Monash IVF Group
T. Arthur Chang, Ph.D., E.L.D., H.C.L.D.
University of Texas

3:45 pm - 5:00 pm
Symposium
Egg Freezing - Are You Ready for Prime Time? Developing and Implementing an Egg Freezing Program in Your Practice
Paul C. Lin, M.D. (Chair)
Seattle Reproductive Medicine
Caroline McCaffrey, D.Phil., Ph.D.
New York University Fertility Center
Tamara M. Tobias, N.P.
Seattle Reproductive Medicine
Kimball O. Pomeroy, Ph.D.
The World Egg Bank

3:45 pm - 5:00 pm
Symposium
Risk Management: Patient Education, Compliance and Consenting
Lindsey McBain, B.A. (Chair)
Reproductive Associates of New Jersey
Heather Ross, J.D.
Ross and Zuckerman
Brad Senstra, M.H.A.
Seattle Reproductive Medicine
Sue Jasulaitis, M.S.N., R.N.
Fertility Centers of Illinois

3:45 pm - 5:00 pm
Symposium
Novel therapies for the Treatment of Asherman Syndrome
Fady Sharara, M.D. (Chair)
Virginia Center for Reproductive Medicine
James Liu, M.D.
UH MacDonald Women’s Hospital
Carlos Simon, M.D., Ph.D.
University of Valencia

3:45 pm - 5:00 pm
Symposium
AMMR Symposium: Strategies in Ovarian Stimulation Protocols to Improve Results in Assisted Reproduction
Jose Luis Castro Lopez, M.D. (Chair)
Prodigy
Alberto Kably Ambe, M.D.
Centro Mexicano de Fertilidad
Antonio M. Gutierrez, M.D.
Instituto de Ciencias en Reproduccion Humana

3:45 pm - 5:00 pm
Symposium
CSRM Symposium: Embryo Culture in Vitro and Development
Deng Chengyeng (Co-chair)
Zhai Canquon (Co-chair)
Sun Yingpu
Huang Guoning
Sun Haixiang

3:45 pm - 5:00 pm
Video Session 3
NEW OFFERINGS IN

Education

AMERICAN SOCIETY FOR REPRODUCTIVE MEDICINE

Congress Highlights

@Boost
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 14

12:15 pm - 1:15 pm Roundtable Discussion
Disparities in Male Reproductive Health
Jim Dupree, M.D., M.P.H.
University of Michigan

4:15 pm - 5:30 pm Symposium
Management of Infertility in Low Resource Settings
Christopher Herndon, M.D. (Co-chair)
University of Washington
Julia V. Johnson, M.D. (Co-chair)
University of Massachusetts Medical School
Sheryl Vanderpoel, Ph.D.
Population Council, W.H.O. (retired)
Kevin J. Doody, M.D.
UT Southwestern Medical Center
Melissa Harmon, R.N.
CARE Fertility

1:30 pm - 2:30 pm Interactive Session
How Do We Reach the Goal of Universal Insurance Coverage for IVF?
Christopher Herndon, M.D. (Chair)
University of Washington
Jacqueline Ho, M.D.
University of Southern California

Tuesday, October 15

12:15 pm - 1:15 pm Roundtable Discussion
Climate and Health Challenges in Vulnerable Populations
Rubin Alvero, M.D.
Stanford University

4:15 pm - 5:30 pm Symposium
Access to Fertility Preservation Care:
From Policy to the Patient
Akanksha Mehta, M.D. (Chair)
Emory University School of Medicine
James Smith, M.D., M.S.
University of California, San Francisco
H. Irene Su, M.D., M.S.C.E.
University of California, San Diego
Joyce Reinecke, J.D.
Alliance for Fertility Preservation

Wednesday, October 16

12:15 pm - 1:15 pm Roundtable Discussions
Time to Get Creative: How to Improve Access to Care in Your Community
Tia Jackson-Bey, M.D.
University of Illinois College of Medicine at Chicago

Abnormal Myometrial Stem Cells Are Responsible for Health Disparity in Uterine Fibroids
Qiwei Yang, Ph.D.
University of Illinois @ Chicago (UIC)
Assisted Reproductive Technology Lab Track

Monday, October 14

12:15 pm - 1:15 pm Roundtable Discussions
Understanding Mosaicism – What You Need to Know
Amy Jones, M.S.
Ovation Fertility
Overview on emerging technologies and breakthrough research in Assisted Reproductive Technology (ART)
Rebecca Krishner, Ph.D.
Colorado Center for Reproductive Medicine
Cryo Tank Failure: What Every REI & Embryologist Should Know
Dawn Kelk, Ph.D., H.C.L.D.
Yale Fertility Center

1:30 pm - 2:30 pm Interactive Session
Key Performance Indicators for the IVF Lab
Amy Sparks, Ph.D. (Chair)
University of Iowa
Alison Bartolucci, M.S.
University of Connecticut
Dean Morbeck, Ph.D., M.B.A., H.C.L.D.
Fertility Associates, Auckland, NZ

Tuesday, October 15

12:15 pm - 1:15 pm Roundtable Discussions
Assisted Reproductive Technology (ART) laboratory networks/mergers: Do they improve outcome?
Jason Swain, Ph.D.
Colorado Center for Reproductive Medicine
TESE for Male Factor Infertility Patient
Who Can Ejaculate (Oligozoospermia or Oligoasthenozoospermia or Oligoteratozoospermia): Where is the Evidence?
Jason Kavoc
Urology of IN

4:15 pm - 5:30 pm Symposium
Quality Management in Human ART: Time to Revisit the Issues
Barry Behr, Ph.D. (Chair)
Stanford Fertility and Reproductive Medicine Center
Mitchel C. Schiewe, Ph.D., M.Sc., M.S.
Ovation Fertility
Dawn Kelk, Ph.D., H.C.L.D.
Yale Fertility Center

1:30 pm - 2:30 pm Interactive Session
Mosaicism Exposed – How to Handle Mosaic Embryos
Timothy N. Hickman, M.D. (Chair)
Houston IVF
Mandy Katz-Jaffe, Ph.D.
Colorado Center for Reproductive Medicine
Mike Large, Ph.D.
Cooper Genomics
Cassandra Latoni, M.S., CGC
Assisted Reproductive Technology Lab Track

Wednesday, October 16

12:15 pm - 1:15 pm Roundtable Discussions
Clinical embryologist career paths – Exceeding in the Multi-dimensional Role of a Clinical Embryologist
T. Arthur Chang, Ph.D., E.L.D., H.C.L.D.
University of Texas Health Science Center

What to Do When Euploid Embryos Fail to Implant?
John Whitney, B.S.
Ovation Fertility

Environmental Pollutants and their Effect on In Vitro Fertilization (IVF) Outcomes
Eva Schenkman
Colorado Center for Reproductive Medicine

1:30 pm - 2:30 pm Interactive Session
Egg and Embryo Banking for Family Building Prior to Advancing Maternal Age: a Patient And Laboratory Perspective
Jennifer Mersereau, M.D. (Chair)
UNC Fertility
Kara Goldman, M.D.
Northwestern University
Sangita Jindal, Ph.D.
Montefiore Institute for Reproductive Medicine and Health

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Howard and Georgeanna Jones Symposium on Assisted Reproductive Technology: Growing Gametes and Embryos: Where Are We Now
Rebecca Krisher, Ph.D. (Chair)
Colorado Center for Reproductive Medicine
Michelle Lane, Ph.D.
T. Arthur Chang, Ph.D., E.L.D., H.C.L.D.

Egg Freezing - Are You Ready for Prime Time?
Developing and Implementing an Egg Freezing Program in Your Practice
Paul C. Lin, M.D. (Chair)
Seattle Reproductive Medicine
Caroline McCaffrey, D.Phil., Ph.D.
New York University Fertility Center
Tamara M. Tobias, N.P.
Seattle Reproductive Medicine
Kimball o. Pomeroy, Ph. D.
The World Egg Bank
Contraception Track

Monday, October 14

1:30 pm - 2:30 pm Interactive Session
Best Practices in Miscarriage Management
Courtney Schreiber, M.D. (Chair)
University of Pennsylvania
Sarah Prager, M.D., M.A.S.
University of Washington
Sarah Horvath, M.D.
University of Pennsylvania

Tuesday, October 15

12:15 pm - 1:15 pm Roundtable Discussion
Incorporating the Use of Mifepristone Pretreatment for Medical Management of Miscarriage into Your Practice
Sarita Sonalkar
University of Pennsylvania

Wednesday, October 16

2:45 pm - 3:30 pm Lecture
Contraception Keynote Lecture: Male Contraception
John K. Amory, M.D., M.P.H.
University of Washington

1:30 pm - 2:30 pm Interactive Session
Family Planning Fellows Showcase
Frontiers in Complex Family Planning
Maureen Baldwin, M.D., M.P.H.
Oregon Health and Science University
Andrea Roe, M.D., M.P.H.
University of Pennsylvania
Erica Cahill, M.D., M.S.
Stanford University
Nora Doty, M.D., M.C.R.
Hackensack Meridian Health
Ethics, Legal, & Mental Health Track

Monday, October 14

8:30 am - 9:15 am Plenary
**CME**
Plenary 1: President’s Guest Lecture: Closing the Generational Gap Between Practitioners and Patients
Endowed by a 1987 grant from Ortho Women’s Health Ryan Jenkins
Speaker, Author, and Inc. Magazine Columnist

9:15 am - 10:00 am Plenary
**CME**
Plenary 4: Is Human Germline Editing Ethical?
Endowed by a 1990 grant from Astra-Zeneca
Françoise Baylis, C.M., O.N.S., Ph.D., F.R.S.C., F.C.A.H.S.

12:15 pm - 1:15 pm Roundtable Discussions
**CME**
The Assisted Reproductive Technology (ART) of Couple Satisfaction
Kristy Koser, Ph.D., L.P.C.C.
Apora Counseling and Psychotherapy, PLLC
Surrogacy and the Modern Family: Addressing the Ethical and Emotional Challenges of Complex Gestational Surrogacy Cases
Lisa Schuman
The Center for Family Building

1:00 am - 12:00 pm MHPG Clinical Session
**CME**
MHPG Clinical Session (Research) Research Isn’t Just for Nerds: The Easy How-To’s of Conducting Publishable Research in the Field of Reproductive Medicine
Alice Domar, Ph.D.
Boston IVF
Lauri Pasch, Ph.D.
University of California, San Francisco

1:30 pm - 2:30 pm Interactive Session
**CME**
No Satisfaction: Psychological and Medical Perspectives on Infertility and Sexual Dysfunction
William Petok, Ph.D. (Chair)
Thomas Jefferson University
Elizabeth Grill, Ph.D.
Weill Cornell Medical Center
Robert Oates, M.D.
Boston University School of Medicine
Kim Bergman, Ph.D.
Growing Generations

Counseling Patients on Mosaicism
**CME**
JoRene Bigler-Vollman, R.N., M.S.N. (Chair)
Lisa Rinehart, J.D., R.N.
LegalCare Consulting, Inc.
Andria Besser, M.Sc.
New York University Langone Fertility Center

1:30 pm - 2:30 pm MHPG Clinical Session
**CME**
MHPG Clinical Session: The Trauma of Infertility and Pregnancy Loss: Helping Our Patients Heal
Janet Jaffe, Ph.D. (Chair)
Center for Reproductive Psychology
Karen Hall, Ph.D.
Private Practice
Julie Binderman, Psy.D.
Private Practice

4:15 pm - 5:30 pm Symposia
**CME**
ABOG - Kenneth Ryan Ethics Symposium: Ethics in Embryo Research: In Consideration of Patients, Progeny and Professional Norms
Alto Charo, J.D. (Chair)
University of Wisconsin - Madison
Ben Hurlbut, Ph.D.
Arizona State University
Feng Zhang, Ph.D.
Massachusetts Institute of Technology

The New Modern Family: Family-building and co-parenting in polyamorous and multi-parent families.
Linda Kondilis, Psy.D. (Chair)
Private Practice
Laurie McKenzie, M.D.
Houston IVF
Heather Ross, J.D.
Ross & Zuckerman, LLP

Tuesday, October 15

8:30 am - 9:15 am Plenary
**CME**
Plenary 5: Planned Oocyte Cryopreservation: A Patient’s Perspective
Endowed by a 1992 grant from Wyeth
Brigitte Adams
Founder, Eggsurance

9:15 am - 10:00 am Plenary
**CME**
Plenary 6: Planned Oocyte Cryopreservation: A Patient’s Perspective
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Brigitte Adams
Founder, Eggsurance
Ethics, Legal, & Mental Health Track

12:15 pm - 1:15 pm Roundtable Discussions
Is Sharing really Caring? The Use of Self-Disclosure in Infertility Counseling.
Julie Bindeman, Psy.D.
Integrative Therapy of Greater Washington

CBT for Recurrent Pregnancy Loss: Benefits, Limitations, and Alternatives
Danielle Kaplan, Ph.D.
NYU Langone

1:30 pm - 2:30 pm Interactive Session
Beyond Disclosure: The Psychological, Social, Legal, and Genetic Implications of Intentional and Unintentional Donor Identity
Claudia Pascale, Ph.D. (Chair)
Institute for Reproductive Medicine & Science
Judith Daar, J.D.
Whittier Law Firm
Heidi Hayes, M.A.
California Cryobank
Neha Kumar, Sc.M.
Invitae

Wednesday, October 16

9:15 am – 10:00 am Plenary
Plenary 6: Herbert H. Thomas Lecture: Justice and the Privatization of Health Data
Kayte Spector-Bagdady, J.D., M.Bioethics
University of Michigan

11:00 am – 12:00 pm MHPG Clinical Session
MHGP Clinical Session: Peeking Under The Hood: Psychological Testing with Sperm Donors
Andrea Braverman, Ph.D. (Chair)
Jefferson OBGYN
John Kurtz, Ph.D.
Villanova University

3:45 pm - 5:00 pm Symposia
Fertility Preservation for Transgender Youth: Special Considerations
Molly B Moravek, M.D., M.P.H. (Chair)
Michigan Medicine
James F. Smith, M.D.
University of California, San Francisco
Gwendolyn P. Quinn, Ph.D.
New York University
Leena Nahata, M.D.
Nationwide Children’s

12:15 pm - 1:15 pm Roundtable Discussions
Modeling Good Behavior- The Ethics of Surrogacy
Deborah Levy, M.A., L.P.C.
ConceiveAbilities

Lessons from An Adoption Plan: Differences, Similarities in Disclosure to Donor-Conceived Offspring
Dori Kavanagh, L.C.S.W.
Private Practice
Genetics Track

Monday, October 14

12:15 pm - 1:15 pm Roundtable Discussions

Limits and Complications of Genetic Screening in Egg Donors
Amber Gamma, M.S., C.G.C.
Northwell Health Fertility

Progress in Comprehensive PGT
Dagan Wells, Ph.D.
University of Oxford

PGT for Late-Onset Disorders
Svetlana Rechitsky, Ph.D.
Reproductive Genetic Innovations

Understanding Mosaicism – What You Need to Know
Amy Jones, M.S.
Ovation Fertility

1:30 pm - 2:30 pm Interactive Sessions

Non-invasive Preimplantation Genetic Testing (NIPGT): Is it Applicable for ART practice?
Svetlana Rechitsky, Ph.D. (Chair)
Florida International University
Dagan Wells, Ph.D.
University of Oxford
Carlos Rubio, Ph.D.
Igenomix

Counseling Patients on Mosaicism
JoRene Bigler-Vollman, R.N., M.S.N. (Chair)
Lisa Rinehart, J.D., R.N.
LegalCare Consulting, Inc.
Andria Besser, M.S., C.G.C.
New York University Langone Fertility Center

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Endowed by a 1990 grant from Astra-Zeneca
Françoise Baylis, C.M., O.N.S., Ph.D., F.R.S.C., F.C.A.H.S.

12:15 pm - 1:15 pm Roundtable Discussions

Expanded Versus Targeted Genetic Testing Before Pregnancy: Discussion Of Guidelines, Options, and Cost Effectiveness
Heather Hipp, M.D.
Emory University

Direct to Consumer (DTC) Genetic Testing: Exploring The Benefits, Limitations And What To Do When A Patient Brings Results To The Clinic
Rachel Donnell, M.M.Sc., L.C.G.C.
Seattle Reproductive Medicine

Prospect for Non Invasive PGT
Carmen Rubio, Ph.D.
Igenomix Spain

Detection of Mosaicism and Segmental Variations
Mandy Katz-Jaffe
Colorado Center for Reproductive Medicine in Lone Tree, CO

1:30 pm - 2:30 pm Interactive Sessions

Mosaicism Exposed – How to Handle Mosaic Embryos
Timothy N. Hickman, M.D. (Chair)
Houston IVF
Mandy Katz-Jaffe, Ph.D.
Colorado Center for Reproductive Medicine
Mike Large, Ph.D.
Cooper Genomics
Cassandra Latoni, M.S., CGC
Ovation Fertility

Beyond Disclosure: The Psychological, Social, Legal, and Genetic Implications of Intentional and Unintentional Donor Identity
Claudia Pascale, Ph.D. (Chair)
Institute for Reproductive Medicine & Science
Judith Daar, J.D.
Whittier Law Firm
Heidi Hayes, M.A.
California Cryobank
Neha Kumar, Sc.M.
Invitae

Wednesday, October 16

12:15 pm - 1:15 pm Roundtable Discussions

PGT-M for Mild Conditions
Rachael Cabey, M.S., L.C.G.C.
CooperGenomics

Update of Randomized Control Trials on Clinical Outcome of PGT-A
Eric Forman, M.D.
University of Columbia

Prospective Carrier Screening and its Impact of PGT Uptake
Charles Strom, M.D., Ph.D.
Celmatix, USA
**LGBTQ Track**

**Monday, October 14**

12:15 pm - 1:15 pm Roundtable Discussion
**Not-So-Secret “Anonymous Egg Donations”: How Home DNA Testing, Donor Registries, and Social Media Are Turning the Donor World Upside Down**
Will Halm, J.D.
International Reproductive Law Group

1:30 pm - 2:30 pm Interactive Session
**No Satisfaction: Psychological and Medical Perspectives on Infertility and Sexual Dysfunction**
William Petok, Ph.D. (Chair)
Thomas Jefferson University
Elizabeth Grill, Ph.D.
Weill Cornell Medical Center
Robert Oates, M.D.
Boston University School of Medicine
Kim Bergman, Ph.D.
Growing Generations

4:15 pm - 5:30 pm Symposia
**The New Modern Family: Family-building and co-parenting in the 21st Century**
Linda Kondilis, Psy.D. (Chair)
Private Practice
Laurie McKenzie, M.D.
Houston IVF
Heather Ross, J.D.
Ross & Zuckerman, LLP

**SSR Symposium: Fertility Preservation-Existing and Emerging Fertility Preservations Options for Women and Men**
Mary B. Zelinski, Ph.D. (Chair)
Oregon Health & Sciences University
So-Youn Kim, PhD
University of Nebraska Medical Center
Kyle Orwig, Ph.D.
University of Pittsburgh

**Wednesday, October 16**

12:15 pm - 1:15 pm Roundtable Discussion
**Ovarian Stimulation in Transgender Men**
Molly Moravek, M.D.
University of Michigan

3:45 pm - 5:00 pm Symposium
**Fertility Preservation for Transgender Youth: Special Considerations**
Molly B Moravek, M.D., M.P.H. (Chair)
Michigan Medicine
James F. Smith, M.D.
University of California, San Francisco
Gwendolyn P. Quinn, Ph.D.
New York University
Leena Nahata, M.D.
Nationwide Children’s
Male Reproduction Track

Monday, October 14

12:15 pm - 1:15 pm Roundtable Discussions

The Current Role of Varicocele Repair in Optimizing Male Fertility and Assisted Reproductive Technology (ART) Outcomes
Ed Kim, M.D.
University of Tennessee

Optimizing Male Fertility Utilizing Lifestyle Modifications
Michael Eisenberg, M.D.
Stanford University

2:35 pm - 3:20 pm Lecture

The David and Rosemary Adamson Lecture on Excellence in Reproductive Medicine: Midnight’s Broken Toll: Male Fertility and the Health of Future Generations
Endowed by Advanced Reproductive Care, Inc. and Rosemary and David Adamson, M.D.
University of Newcastle

4:15 pm - 5:30 pm Symposium

Are Specialized Sperm Function Tests Clinically Useful?
Armand Zini, M.D., F.R.C.S.C. (Chair)
McGill University
Sandro Esteves, M.D., Ph.D., M.Sc.
Androfert
Douglas T. Carrell, Ph.D.
University of Utah School of Medicine

Tuesday, October 15

12:15 pm - 1:15 pm Roundtable Discussions

Hypogonadism: Implications of Disease and Treatment for the Infertile Male
Mohit Khera, M.D.
Baylor College of Medicine

Patient-Centered Approach to Azoospermia: Choosing the Best Technique for Sperm Retrieval
Thomas Walsh, M.D.
Washington University

1:30 pm - 2:30 pm Interactive Session

Home Sperm Testing: What is Available, Limitations and Opportunities
Natan Bar-Chama, M.D. (Chair)
Reproductive Associates of New York
Michael Eisenberg, M.D.
Stanford University
Benjamin Leader, M.D., Ph.D.
ReproSource

4:15 pm - 5:30 pm Symposium

Access to Fertility Preservation Care: From Policy to the Patient
Akanksha Mehta, M.D. (Chair)
Emory University School of Medicine
James Smith, M.D., M.S.
University of California, San Francisco
H. Irene Su, M.D., M.S.C.E.
University of California, San Diego
Joyce Reinecke, J.D.
Alliance for Fertility Preservation
Male Reproduction Track

Wednesday, October 16

8:00 am - 8:45 am Lecture
American Urological Association Bruce Stewart
Memorial Lecture: The Diagnosis & Treatment of Male Infertility: From the Bench to the Bedside
Supported by a grant from the American Urological Association
Larry Lipshultz, M.D.
Baylor College of Medicine

12:15 pm - 1:15 pm Expert Encounter
Male Infertility Case Discussion
John Amory, M.D., M.P.H.
University of Washington

12:15 pm - 1:15 pm Roundtable Discussions
Male Home Fertility Testing: Pros and Cons for the Consumer and Medical Practitioner
Natan Bar-Chama, M.D.
Reproductive Medicine Associates of New York
The Future of Male Infertility Microsurgery: Promising Emerging Technologies
Philip Li, M.D.
Cornell University
Fertility Preservation in the Male Across the Lifespan
Robert Brannigan, M.D.
Northwestern University

2:45 pm - 3:30 pm Lecture
Contraception Keynote Lecture: Male Contraception
John K. Amory, M.D., M.P.H.
University of Washington

2:45 pm - 3:30 pm Lecture
SSR Exchange Keynote Lecture: Motile Ciliopathy is a New Cause of Male Infertility
Wei Yan, M.D., Ph.D., AAAS Fellow
University of Nevada
Menopause Track

Monday, October 14

12:15 pm - 1:15 pm Roundtable Discussion
Stem Cell Therapy for Premature Ovarian Insufficiency
Ayman al-Hendy, M.D., Ph.D.
University of Illinois at Chicago

4:15 pm - 5:30 pm Symposium
Ovarian Tissue Cryopreservation and Transplantation: 20 Years of Progress
Kutluk Oktay, M.D., Ph.D. (Chair)
Yale University School of Medicine
Isabelle Demeestere, M.D.
University Libre de Bruxelles
Nao Suzuki, M.D.
Marianna University, Japan

Tuesday, October 15

12:15 pm - 1:15 pm Roundtable Discussion
Is there a role for testosterone use in women?
Jan Shifren, M.D.
Massachusetts General Hospital

1:30 pm - 2:30 pm Interactive Session
In Vitro Activation for Primary Ovarian Insufficiency: Is it Ready for Prime Time?
Mindy Christianson, M.D. (Chair)
Johns Hopkins Medical Institute
James H. Segars, Jr., M.D., F.A.C.O.G.
Johns Hopkins School of Medicine
Cesar Diaz-Garcia, M.D., M.P.H.
University of Valencia

2:45 pm - 3:30 pm Lecture
Menopause Keynote Lecture: Future Directions on the Management of Menopause
Rogerio Lobo, M.D.
Columbia University

Wednesday, October 16

12:15 pm - 1:15 pm Roundtable Discussion
Ovarian Stimulation in Transgender Men
Molly Moravek, M.D.
University of Michigan
Professional and Practice Development Track

Sunday, October 7

3:00 pm - 5:00 pm Workshop
Personal Finance for Physicians
Stuart S. Howards, M.D.
University of Virginia

Monday, October 8

8:30 am - 9:15 am Plenary
CME
Plenary 1: President’s Guest Lecture: Closing the Generational Gap Between Practitioners and Patients
Endowed by a 1987 grant from Ortho Women’s Health
Ryan Jenkins
Speaker, Author, and Inc. Magazine Columnist

12:15 pm - 1:15 pm Expert Encounter
CME
Venture Capital, Private Equity, and Assisted Reproduction: Investing in Innovation in IVF
David Sable, M.D.
Columbia University

12:15 pm - 1:15 pm Roundtable Discussions
CME
Staying Together for the Kids: Clear Expectations that Partners and Associates Need to Agree Upon in Order to Grow the Practice and Avoid Separation
Griffin Jones, B.A.
Fertility Bridge
Managing Patient Complain And Setting Expectations
Beth Hume, B.A.
Seattle Reproductive Medicine

1:30 pm - 2:30 pm Interactive Session
CME
Moving Hysteroscopy from the Operating Room to the Office: Essentials for Success, Safety, and Patient Satisfaction
Steven Lindheim, M.D. (Chair)
Wright State University
Stefano Bettocchi, M.D.
University of Bari, Italy
Keith Isaacson, M.D.
Harvard Medical School
Brad Senstra, M.H.A.
Seattle Reproductive Medicine

2:35 pm - 3:20 pm Lecture
CME
Endowed Lecture: IVF as a Business
Endowed by a 1990 grant from TAP Pharmaceutical
David Sable, M.D.
Columbia University

4:15 pm - 5:30 pm Symposium
CME
How to Build High Functioning Teams in the Embryology Lab
Blake R. Welch, M.B.A. (Chair)
Chicago IVF
David Ball, Ph.D.
Seattle Reproductive Medicine
Professional and Practice Development Track

Tuesday, October 15

9:15 am - 10:00 am Plenary
Plenary 5: Planned Oocyte Cryopreservation: A Patient’s Perspective
Endowed by a 1992 grant from Wyeth
Brigitte Adams
Founder, Eggsurance

12:15 pm - 1:15 pm Roundtable Discussion
HIPPA Headaches and ways to avoid them
Lindsey McBain, B.A.
Reproductive Management Associates of New Jersey

4:15 pm - 5:30 pm Symposia
RESPECT YOUR ENEMY: Marketing Your Practice Within The Sart Advertising Guidelines In A Competitive Market
Sara Mooney, B.A. (Chair)
Seattle Reproductive Medicine
Eli Reshef, M.D.
Henry G. Bennett Jr. Fertility Institute
Amy Hall
Catalyst Healthcare Marketing
Paul C. Lin, M.D.
Seattle Reproductive Medicine

Quality Management in Human ART: Time to Revisit the Issues
Barry Behr, Ph.D. (Chair)
Stanford Fertility and Reproductive Medicine Center
Mitchel C. Schiewe, Ph.D., M.Sc., M.S.
Ovation Fertility
Dawn Kelk, Ph.D., H.C.L.D.
Yale Fertility Center

Implementation of an Embryo Donation Program Within Your Practice: Medical, Legal and Psychological Aspects
Eric Widra, M.D. (Chair)
Shady Grove Fertility Center
Angela K. Lawson, Ph.D.
Northwestern University
Nidhi Desai, J.D.
Family Building Law

Wednesday, October 16

9:15 am - 10:00 am Plenary
Plenary 6: Herbert H. Thomas Lecture: Justice and the Privatization of Health Data
Endowed by a 1992 grant from EMD Serono, Inc.
Kayte Spector-Bagdady, J.D., M.Bioethics
University of Michigan

12:15 pm - 1:15 pm Roundtable Discussion
Embryo Disposition and Divorce
Jessica Medvedich, M.B.A., B.S.N., R.N.
Reproductive Management Associates of New Jersey

1:30 pm - 2:30 pm Interactive Session
Egg and Embryo Banking for Family Building Prior to Advancing Maternal Age: a Patient and Laboratory Perspective
Jennifer Mersereau, M.D. (Chair)
UNC Fertility
Kara Goldman, M.D.
Northwestern University
Sangita Jindal, Ph.D.
Montefiore Institute for Reproductive Medicine and Health

3:45 pm - 5:00 pm Symposia
Risk Management: Patient Education, Compliance and Consenting.
Lindsey McBain, B.A. (Chair)
Reproductive Associates of New Jersey
Heather Ross, J.D.
Ross and Zuckerman
Brad Senstra, M.H.A.
Seattle Reproductive Medicine
Sue Jusulaitis, M.S.N., R.N.
Fertility Centers of Illinois

Egg Freezing - Are You Ready For Prime Time? Developing and Implementing an Egg Freezing Program In Your Practice
Paul C. Lin, M.D. (Chair)
Seattle Reproductive Medicine
Caroline McCaffrey, D.Phil., Ph.D.
New York University Fertility Center
Tamara M. Tobias, N.P.
Seattle Reproductive Medicine
Kimball O. Pomeroy, Ph.D.
The World Egg Bank
MONDAY, OCTOBER 14, 2019

Access to Care
RTM1
Disparities in Male Reproductive Health
Jim Dupree, M.D., M.P.H.
University of Michigan

Androgen Excess
RTM2
AMH in the Diagnosis of Polycystic Ovary Syndrome (PCOS)-New Aspects in Development and Diagnosis
Joop Laven, M.D.
Erasmus University

Assisted Reproductive Technology
RTM3
Current Limitations of Semen Analysis
Sergio Oehninger, M.D., Ph.D.
Sher Institute

Assisted Reproductive Technology
RTM4
REIs and legislative advocacy: Choosing your issues, finding your voice
Amanda Kallen, M.D.
Yale University

Assisted Reproductive Technology
RTM5
Conducting Research with SART Data - Setting the Stage for Success
Sangita Jindal, Ph.D.
Einstein COM, Montefiore

Chinese Reproductive Medicine
RTM6
Human Oocytes and Embryo Selections
Ping Xia, M.D., Ph.D.
Johns Hopkins School of Medicine

Early Pregnancy
RTM7
Fibroids and Other Structural Abnormalities and Pregnancy Loss: The Latest Data and Recommendations
Jennifer Mersereau, M.D.
University of North Carolina at Chapel Hill

Endometriosis
RTM8
Nutritional Supplementation for Women with Endometriosis - What We Know and What We Don’t.
James Nodler, M.D.
Houston In Vitro Fertilization (IVF)

Environment and Reproduction
RTM9
Endocrine Disrupting Chemicals and Fertility: An Update
Carmen Messerlian, Ph.D.
Harvard T.H. Chan School of Public Health

Fertility Preservation
RTM10
Fertility Preservation for Men with Benign and Malignant Conditions
Akanksha Mehta, M.D.
Emory University

Fibroids
RTM11
Health Disparities and Uterine Fibroids
Erica Marsh, M.D.
University of Michigan

Genetic Counseling
RTM12
Limits and Complications of Genetic Screening in Egg Donors
Amber Gamma, M.S., C.G.C.
Northwell Health Fertility

Imaging in Reproductive Medicine
RTM13
Utilization and Value of Testicular Sonogram in Evaluation of Infertility
Richard Levin, M.D.
Urodocs

Indian Reproductive Medicine
RTM14
Fertility Preservation in Cancer Patients
Madhuri Patil, M.D.
Clinical Director of Dr. Patil’s Fertility & Endoscopy Clinic, Bangalore

Legal
RTM15
Legal and Ethical Considerations When Representing the "Non-Traditional" Family
Deborah Guston, J.D.
Guston & Guston, L.L.P.

RTM16
Insurance Concerns in Fertility Arrangements
Amani Hassoun, J.D.
Vorzimer Masserman

LGBTQ
RTM17
Not-So-Secret “Anonymous Egg Donations”: How Home DNA Testing, Donor Registries, and Social Media Are Turning the Donor World Upside Down
Will Halm, J.D.
International Reproductive Law Group
Male Reproduction and Urology

RTM18
The Current Role of Varicocele Repair in Optimizing Male Fertility and Assisted Reproductive Technology (ART) Outcomes
Ed Kim, M.D.
University of Tennessee

RTM19
Optimizing Male Fertility Utilizing Life Style Modifications
Michael Eisenberg, M.D.
Stanford University

Mental Health

RTM20
The Assisted Reproductive Technology (ART) of Couple Satisfaction
Kristy Koser, Ph.D., L.P.C.C.
Aporia Counseling and Psychotherapy, PLLC

RTM21
Surrogacy and the Modern Family: Addressing the Ethical and Emotional Challenges of Complex Gestational Surrogacy Cases
Lisa Schuman, L.C.S.W.
The Center for Family Building

Nutrition

RTM24
Weighing the Evidence on Vitamin D and Reproduction
Anne Marie Jukic, Ph.D.
National Institute of Environmental Health Sciences

Preimplantation Genetic Testing

RTM25
Progress in Comprehensive PGT
Dagan Wells, Ph.D.
University of Oxford

RTM26
PGT for Late-Onset Disorders
Svetlana Rechitsky, Ph.D.
Reproductive Genetic Innovations

Regenerative Medicine and Stem Cell Biology

RTM27
Stem Cell Therapy for Premature Ovarian Insufficiency
Ayman al-Hendy, M.D., Ph.D.
University of Illinois at Chicago

Reproductive Biology and Technology

RTM28
Understanding Mosaicism – What You Need to Know
Amy Jones, M.S.
Ovation Fertility

RTM29
Overview on emerging technologies and breakthrough research in Assisted Reproductive Technology (ART)
Rebecca Krishner, Ph.D.
Colorado Center for Reproductive Medicine

Reproductive Endocrinology and Infertility

RTM31
Opening Your Door to Same Sex Male Couples and a Process for Your Practice
Mark Leondires, M.D.
Reproductive Medicine Associates of Connecticut

RTM32
Cultivating the Use of Social Media in Your Practice
Kenan Omurtag, M.D.
Washington University School of Medicine

RTM33
Optimal management of Recurrent Pregnancy Loss
Lisa Bernardi, M.D.
Northwestern University

Reproductive Managers

RTM34
Staying Together for the Kids: Clear Expectations that Partners and Associates Need to Agree Upon in Order to Grow the Practice and Avoid Separation
Griffin Jones, B.A.
Fertility Bridge

RTM35
Managing Patient Complain and Setting Expectations
Beth Hume, B.A.
Seattle Reproductive Medicine

Reproductive Surgery

RTM36
Intracervical Adhesion Prevention – a Global and Scientific Perspective
Joe Findley, M.D.
University of Vermont

RTM37
Laparoscopic Tissue Extraction Techniques – Pearls to Maximize Success
Zaraq Khan, M.D.
Mayo Clinic
TUESDAY, OCTOBER 15, 2019

### Androgen Excess

**RT1**
Weight Gain and Ovulation Induction in Polycystic Ovary Syndrome (PCOS)
Wendy Vitek, M.D.
University of Rochester

### Assisted Reproductive Technology

**RT2**
National Trends in In Vitro Fertilization (IVF) Practice, Lessons From the SART Database
Jennifer Kawwass, M.D.
Emory University

**RT3**
Expanded Versus Targeted Genetic Testing Before Pregnancy: Discussion of Guidelines, Options, and Cost Effectiveness
Heather Hipp, M.D.
Emory University

**RT4**
An Update on Immunomodulatory treatment in Reproductive Medicine and Early Pregnancy
Abey Eapen, M.B.B.S., Ph.D., D.R.C.O.G.
University of Iowa

### Complimentary and Integrative Medicine

**RT5**
The Pros and Cons of In House Integrative Medicine & What’s Best for Your Clinic
Steven Mavros, L.O.M., M.A.D.M.
Healing Arts Center of Philadelphia

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**Contraception**

**RT6**
Incorporating the Use of Mifepristone Pretreatment for Medical Management of Miscarriage Into Your Practice
Sarita Sonalkar, M.D., M.P.H.
University of Pennsylvania

### Early Pregnancy

**RT7**
Obesity and Pregnancy Loss
Christina Boots, M.D., M.S.C.I.
Northwestern University

### Educational Modalities

**RT8**
Educational Strategies for an Effective Journal Club
Ranjith Ramasamy, M.D.
University of Miami

### Endometriosis

**RT9**
Are Most In Vitro Fertilization (IVF) Failures Due to Undiagnosed Endometriosis?
Bruce Lessey, M.D.
Wake Forest School of Medicine

### Environment and Reproduction

**RT10**
Air Pollution and Human Fertility: What is the Evidence and what can your patients do?
Audrey Gaskins, Sc.D.
Emory University

### Fertility Preservation

**RT11**
Fertility Preservation for the Transgender Patient
Evelyn Mok-Lin, M.D.
University of California, San Francisco
Genetic Counseling
RTT12
Direct To Consumer (DTC) Genetic Testing: Exploring the Benefits, Limitations and What to Do When a Patient Brings Results to the Clinic
Rachel Donnell, M.M.Sc., L.C.G.C.
Seattle Reproductive Medicine

Health Disparities
RTT13
Climate and health Challenges in Vulnerable Populations
Rubin Alvero, M.D.
Stanford University

Legal
RTT14
Legal and Ethics Challenges in Independent Surrogacy Arrangements
Molly O'Brien
Law offices of Molly O'Brien

RTT15
HIPAA Risk Assessment: Hand-On Help for the Administrator
Lisa Rinehart, R.N., J.D.
Legal Care Consulting

Male Reproduction and Urology
RTT16
Hypogonadism: Implications of Disease and Treatment for the Infertile Male
Mohit Khera, M.D.
Baylor College of Medicine

RTT17
Patient-Centered Approach to Azospermia: Choosing the Best Technique for Sperm Retrieval
Thomas Walsh, M.D.
Washington University

Menopause and Ovarian Insufficiency
RTT18
Is there a role for testosterone use in women?
Jan Shifren, M.D.
Massachusetts General Hospital

Mental Health
RTT19
Is Sharing really Caring? The Use of Self-Disclosure in Infertility Counseling
Julie Bindeman, Psy.D.
Integrative Therapy of Greater Washington

RTT20
CBT for Recurrent Pregnancy Loss: Benefits, Limitations, and Alternatives
Danielle Kaplan, Ph.D.
NYU Langone

Nurses
RTT21
Tips From a Third Party Nurse on Ways to Improve Our LGBTQ Patients’ Experience
Michelle Flanagan, B.S.N., R.N.
IVI-RMA Global

Pediatric and Adolescent Gynecology
RTT22
Pediatric and Adolescent Gynecology from A to Z
Serena Chan, M.D.
University of Pittsburgh

Physician-Scientists
RTT23
How to Do Research Using Publicly Available Databases and Biorepositories
Zaher Merhi, M.D.
New Hope Fertility Center

Preimplantation Genetic Testing
RTT24
Prospect for Non Invasive PGT
Carmen Rubio, Ph.D.
Igenomix Spain

RTT25
Detection of Mosaicism and Segmental Variations
Mandy Katz-Jaffe
Colorado Center for Reproductive Medicine in Lone Tree, CO

Reproductive Biology and Technology
RTT26
Assisted Reproductive Technology (ART) Laboratory Networks/Mergers: Do They Improve Outcome?
Jason Swain, Ph.D.
Colorado Center for Reproductive Medicine

RTT27
TESE for Male Factor Infertility Patient Who Can Ejaculate (Oligozoospermia or Oligoasthenozoospermia or Oligoteratozoospermia): Where is the Evidence?
Speaker TBD

Reproductive Endocrinology and Infertility
RTT28
Management of Polycystic Ovary Syndrome (PCOS) from Adolescence Through Senescence
Laura Cooney, M.D.
University of Wisconsin

RTT29
The Ethics of Baby Making in the Age of CRISPR
Sigal Klipstein, M.D.
InVia Fertility
Reproductive Immunology

RTT30
Immune Etiology of Recurrent Pregnancy Loss
Joanne Kwak-Kim, M.D., M.P.H.
Chicago Medical School, Rosalind Franklin University of Medicine and Science

Reproductive Managers

RTT31
HIPPAA Headaches and Ways to Avoid Them
Linsey McBain, B.A.
Reproductive Management Associates of New Jersey

RTT32
Racial differences in fibroid care - why is this happening?
Erica Marsh, M.D.
University of North Carolina

RTT33
Ovarian Surgery – Maximizing Results and Limiting Trauma
Linnea Goodman, M.D.
University of North Carolina

Spanish Reproductive Medicine

RTT34
Triggering with GNRH-Agonists in Assisted Reproductive Technology (ART) Patients.
Claudio Benadiva, M.D.
University of Connecticut

Turkish Reproductive Medicine

RTT35
Random Start Ovarian Stimulation- Is It For My Practice?
Hakan Cakmak, M.D.
University of California, San Francisco

Access to Care

RTW1
Time To Get Creative: How To Improve Access To Care In Your Community
Tia Jackson-Bey, M.D.
University of Illinois College of Medicine at Chicago

Androgen Excess

RTW2
Ultrasound in the Diagnosis of Polycystic Ovary Syndrome (PCOS)
Marla Lujan, M.Sc., Ph.D.
Cornell University

Assisted Reproductive Technology

RTW3
"For Cryo-ing Out Loud: Protecting Your Cryo Assets"
Stephanie Nichols-Burns, Ph.D.
Yale University

RTW4
Primary Ovarian Insufficiency (POI): Diagnosis, Causes, and Long-Term Health
Heather Hipp, M.D.
Emory University

Complementary and Integrative Medicine

RTW5
Ayurveda Integrative Medicine in Infertility Treatment
Olarik Musigavong, M.D., M.Sc.
Chaophya Abhaibhubejhr Hospital, Thailand

Early Pregnancy

RTW6
Aneuploidy as it Relates to Early Pregnancy Loss
William Keams, Ph.D.
Johns Hopkins University School of Medicine, Advagenix

Fibroids

RTW7
Tips and Tricks for Surgical Management of Uterine Fibroids
Zaraq Khan, M.D.
Mayo Clinic

Genetic Counseling

RTW8
PGT-M for mild conditions
Rachael Cabey, M.S., L.C.G.C.
CooperGenomics

Health Disparities

RTW9
Abnormal Myometrial Stem Cells Are Responsible For Health Disparity In Uterine Fibroids
Qiwei Yang, Ph.D.
University of Illinois at Chicago

Legal

RTW11
Legal and Ethical Considerations in Multiple Surrogate Situations
Meryl Rosenberg, J.D.
Private Practice

LGBTQ

RTW12
Ovarian Stimulation in Transgender Men
Molly Moravek, M.D.
University of Michigan
Male Reproduction and Urology
RTW10
Male Home Fertility Testing: Pros and Cons for the Consumer and Medical Practitioner
Natan Bar-Chama, M.D.
Reproductive Medicine Associates of New York

RTW13
The Future of Male Infertility Microsurgery: Promising Emerging Technologies
Philip Li, M.D.
Cornell University

RTW14
Fertility Preservation in the Male Across the Lifespan
Robert Brannigan, M.D.
Northwestern University

Mental Health
RTW15
Modeling Good Behavior- The Ethics Of Surrogacy
Deborah Levy, M.A., L.P.C.
ConceiveAblities

RTW16
Lessons from an Adoption Plan: Differences, Similarities in Disclosure to Donor - Conceived Offspring
Dori Kavanagh, L.C.S.W.
Private Practice

Nurses
RTW17
Tips from a Fertility Pharmacy Nurse Educator: Ways to Improve Patient Experience with Fertility Medications
Mary Vietzke, B.S.N., R.N.
Schafts 2.0 Pharmacy

Nutrition
RTW18
Polycystic Ovary Syndrome (PCOS): Optimizing Fertility Through Nutrition
Angela Grassi, M.S., R.D.N., L.D.N.
Polycystic Ovary Syndrome (PCOS) Nutrition Center

Preimplantation Genetic Testing
RTW19
Update of Randomized Control Trials on Clinical Outcome of PGT-A
Eric Forman, M.D.
University of Columbia, USA

RTW20
Prospective Carrier Screening and its Impact of PGT Uptake
Charles Strom, M.D., Ph.D.
Celmatix

Regenerative Medicine and Stem Cell Biology
RTW21
New Technologies for Stimulating Gametogenesis in a Dish
Philip Jordan, Ph.D.
Johns Hopkins University Bloomberg School of Public Health

Reproductive Biology and Technology
RTW22
Clinical Embryologist Career Paths- Excelling in the Multi-dimensional Role
T. Arthur Chang, Ph.D., E.L.D., H.C.L.D.
University of Texas Health Science Center

RTW23
What to do When Euploid Embryos Fail to Implant?
John Whitney, B.S.
Ovation Fertility

RTW24
Environmental Pollutants and Their Effect on In Vitro Fertilization (IVF) Outcomes
Eva Schenkman, M.S.
Mellowood Medical

Reproductive Endocrinology and Infertility
RTW25
Incorporating Principles of Quality Improvement into Your Practice
Marissa Weiss, M.D.
University of Pennsylvania

RTW26
Optimizing Your Fertility Preservation Program
Mary Ellen Pavone, M.D.
Northwestern University

RTW27
Increasing Access to Fertility Care
Christopher Herndon, M.D.
University of Washington

Reproductive Managers
RTW28
Embryo Disposition and Divorce
Jessica Medvedich, M.B.A., B.S.N., R.N.
Reproductive Medicine Associates of New Jersey

Reproductive Surgery
RTW29
Office Based Tissue Extraction Devices – Which is Best For You?
Mindy Christiansen, M.D.
John Hopkins

Turkish Reproductive Medicine
RTW30
Alternate Topic: Surgical Approach to Endometriosis
Ercan Bastu, M.D.
Fulya Acibadem Hastanesi
ASRM Is Paperless!

The Final Program for the ASRM 2019 Scientific Congress & Expo in Philadelphia will be posted online and available for download prior to, during, and after the Scientific Congress & Expo. The downloadable online PDF program will include complete, detailed program information, including the Daily Schedule and CME/CE materials (needs assessments/descriptions, learning objectives) for all CME activities (Pre-Congress courses, plenary lectures, symposia, interactive sessions).

At the Congress, you will receive a printed copy of:

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- Pocket listing of oral abstracts with room numbers
- Pocket listing of poster abstracts
- Listing of exhibits

ASRM's free mobile app will list all of the activities, including oral and poster abstracts, with their room numbers for both the Pre-Congress program and the Scientific Congress. The complete abstracts will be available on the:

- Mobile app
- Fertility and Sterility website
- Fertility and Sterility mobile app
- ASRMCongress.org website

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THERE WILL NOT BE A PRINTED FINAL PROGRAM BOOK

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DRAWINGS WEDNESDAY October 16 @ noon

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