





# REPRODUCTION REIMAGINED



# FINAL PROGRAM



### Daily Schedule Key to Abbreviations

AFFILIATED SOCIETIES	SART	Society for Assisted Reproductive Technology	 <b>Indicates a ticket event</b>
	SMRU	Society for Male Reproduction and Urology	
	SRBT	Society of Reproductive Biologists and Technologists	
	SREI	Society for Reproductive Endocrinology and Infertility	
	SRS	Society of Reproductive Surgeons	
PROFESSIONAL GROUPS	ARM	Association of Reproductive Managers	 <b>Indicates session offers CME</b>
	GCPG	Genetic Counseling Professional Group	
	LPG	Legal Professional Group	
	MHPG	Mental Health Professional Group	
	NPG	Nurses' Professional Group	
SPECIAL INTEREST GROUPS	Special Interest Groups are ASRM-member groups centered around a specific topic.		
	ATCSIG	Access to Care Special Interest Group	
	AESIG	Androgen Excess Special Interest Group	
	CIMSIG	Complementary and Integrative Medicine Special Interest Group	
	CFPSIG	Complex Family Planing Special Interest Group	
	ChSIG	Chinese Special Interest Group	
	EndoSIG	Endometriosis Special Interest Group	
	EPSIG	Early Pregnancy Special Interest Group	
	ERSIG	Environment and Reproduction Special Interest Group	
	FPSIG	Fertility Preservation Special Interest Group	
	FSIG	Fibroids Special Interest Group	
	HDSIG	Health Disparities Special Interest Group	
	ISIG	Indian Special Interest Group	
	IRMSIG	Imaging in Reproductive Medicine Special Interest Group	
	LGBTQSIG	LGBTQ Special Interest Group	
	MOISIG	Menopause and Ovarian Insufficiency Special Interest Group	
	NutriSIG	Nutrition Special Interest Group	
	PAGSIG	Pediatric and Adolescent Gynecology Special Interest Group	
	PGTSIG	Preimplantation Genetic Testing Special Interest Group	
	PSSIG	Physician-Scientists' Special Interest Group	
	RISIG	Reproductive Immunology Special Interest Group	
	RMSCBSIG	Regenerative Medicine and Stem Cell Biology Special Interest Group	
TSIG	Turkish Special Interest Group		
UTSIG	Uterine Transplant Special Interest Group (Forming)		
WC	Women's Council		
PARTNER GROUPS	AE-PCOS Society	Androgen Excess and Polycystic Ovary Syndrome Society	
	ALMER	Latin American Association for Reproductive Medicine	
	AMMR	Mexican Association of Reproductive Medicine	
	ASPIRE	Asia Pacific Initiative in Reproduction	
	CFAS	Canadian Fertility and Andrology Society	
	CSRM	Chinese Society of Reproductive Medicine	
	ESHRE	European Society of Human Reproduction and Embryology	
	ISAR	Indian Society for Assisted Reproduction	
	JSAR	Japan Society of Assisted Reproduction	
	<b>MEFS</b>	<b>Middle East Fertility Society</b>	
	SSR	Society for the Study of Reproduction	



# 2021 SCIENTIFIC CONGRESS DAILY SCHEDULE

**3:45 PM – 4:45 PM**

**Interactive Session**

CME

**Complex Family Planning Fellows Showcase**

Elizabeth Micks, M.D. M.P.H. (*Chair*)  
Oregon Health & Science University

**THURSDAY, OCTOBER 21, 2021**

**6:00 AM – 11:55 PM**

**Postgraduate Program (On-Demand)**

**PG01 - PG20**

**3:45 PM – 4:45 PM**

**Interactive Session**

CME

**Endometrial Receptivity and ART Outcome: To Test or Not to Test?**

Ilan Tur-Kaspa, M.D. (*Chair*)  
Jones Institute

Carlos Simon, M.D., Ph.D.

University of Valencia; Igenomix  
Foundation-INCLIVA

Zev Williams, M.D., Ph.D.

Columbia University Medical  
Center

**7:00 AM – 2:30 PM**

**NICHD Workshop (On-Demand)**

*NICHD Workshop registration required*

**3:45 PM – 4:45 PM**

**Interactive Session**

CME

**ASRM Mullerian Anomaly Classification 2021**

Samantha M. Pfeifer, M.D. (*Chair*)  
Weill Medical College of Cornell  
University

Steven R. Lindheim, M.D., M.M.M.

Wright State University, OB/GYN

Beth W. Rackow, M.D.

Columbia University Medical  
Center

Sarah D. Ramaiah, M.S.Ed.

American Society for Reproductive  
Medicine



# SCHEDULE-AT-A-GLANCE POSTGRADUATE

POSTGRADUATE COURSES ARE ON-DEMAND  
BEGINNING THURSDAY, OCTOBER 21, 2021 THROUGH DECEMBER 31, 2021.

## HALF DAY COURSES

PG01 CME	Lessons from COVID-19 and Access to Care
PG02 CME	Difficult Conversations: Tools, Tips, and Training for Effective Communication
PG03 CME	Primary Ovarian Insufficiency and Fertility: A Mind and Body Approach
PG04 CME	Optimizing Fresh and Frozen Embryo Transfer: Newest Evidence on Measuring, Timing, and Replacing Progesterone
PG05 CME	Unexplained Infertility: Have A Look And You'll Find The Answers

## FULL DAY COURSES

PG06 CME	Changing with the Times: Mitigating Risk for Your ART Practice While Improving Care for Your Patients
PG07 CME	Controversies in Recurrent Implantation Failure
PG08 CME	Endometriosis and Adenomyosis Diagnosis, and Assessment: Clinical and Pathophysiological Perspectives
PG09 CME	Reproductive Aging: Meeting the Challenges in Clinical and Laboratory Practice
PG10 CME	Comprehensive Review of Genetic Carrier Screening: Genetic Counseling, Legal, and Physician Perspectives
PG11 CME	A Critical Assessment of Invasive and Non-Invasive PGT What's the Impact on ART?
PG12 CME	Addressing Controversies in the Work up and Treatment of Recurrent Pregnancy Loss
PG13 CME	Tricks of the Trade: Small Things That Can Make a BIG Difference in the IVF Lab
PG14 CME	Challenges in Freeze All Embryos
PG15 CME	Male Infertility and ART: An Update on the Diagnosis, Treatment, and Optimization of ART Outcomes
PG16 CME	A Review of Clinical and Laboratory Sperm Selection Technologies to Optimize ART Outcomes
PG17 CME	Cross-Border Family Building: Big Dreams, Small World
PG18 CME	Vaginal Microbiome and Reproductive Health: From Research to Clinical Practice
PG19 CME	Riding the Wave of Change: Keys to Success
PG20 CME	Strategies to Improve the Safety of Controlled Ovarian Stimulation Protocols: Paving the Way for Ohss-Free IVF?

# SCHEDULE-AT-A-GLANCE SUNDAY, OCTOBER 17, 2021

## HANDS-ON COURSES

1:00 pm - 5:00 pm Embryo Transfer Skills Workshop Afternoon Session (Hands-on Simulation)

## SUNDAY EVENING

6:00 pm ASRM 2021 President's Gala benefiting the ASRM Research Institute





PG20

**Strategies to Improve the Safety of Controlled Ovarian Stimulation Protocols: Paving the Way for Ohss-Free IVF?**

CME

Developed in cooperation with the Middle East Fertility Society (MEFS)

**Faculty**

Johnny Awwad, M.D., H.C.L.D. (*Chair*)  
Mohamed A Aboulghar, M.D.  
Peter Humaidan, M.D., Ph.D.  
Juan A Garcia-Velasco, M.D., Ph.D.

**Target Audience**

This intermediate to advanced level interprofessional course is designed for physicians, advanced practice providers, nurses, ART allied health professionals, practice managers, embryologists, and scientists.

**Needs Assessment**

The use of GnRH agonists to trigger final oocyte maturation has gained momentum over the use of hCG in women at risk for OHSS. Because of the shorter agonist-induced LH surge, earlier demise of the corpus luteum yielded a reduction in OHSS at the peril of poor embryo implantation. Dissociating ovarian and endometrial events was therefore proposed to restore reproductive success without compromising safety. The success of cycle segmentation however is highly dependent on the performance of the cryopreservation program in place. For fresh embryo transfers, alternative strategies to improve the profoundly deficient luteal phase were suggested. The use of intensive hormonal supplementation has been inadequately investigated. Whether standardized or individualized protocols are more suitable in this context remain inconclusive. The administration of low dose hCG to prevent corpus luteum demise was met with improved success. These protocols are very heterogenous and differ in the dose and timing of hCG administration. Their safety when used in high responders has not been fully confirmed. Incidents of partial or complete failure of oocyte collection have also been reported after agonist triggering. Risk factors have been poorly explored, while preventive and corrective measures remain largely erratic.

**Description**

This course appraises the scientific evidence which evaluates the benefits and limitations of the use of GnRHa triggering strategies to improve the safety of controlled ovarian stimulation protocols. This course sheds the light on the physiologic effects of GnRHa triggering on luteal events. Emphasis will be on developing best practice models for an OHSS-free IVF clinic, while identifying knowledge gaps in GnRHa triggering research which require immediate attention through the proper design of high-quality basic and translational research. This course is designed using an interactive learning format which involves didactic lectures, case discussions and problem-solving of clinical vignettes.

**ACGME Competency**

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

**Learning Objectives**

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

1. Design safer ovarian stimulation protocols tailored to patients' individual characteristics; and counsel women undergoing controlled ovarian stimulation for IVF about the number of oocytes needed to optimize success without compromising safety.
2. Describe the physiological effects of GnRH agonist on LH surge characteristics, oocyte maturation, and follicular luteinization.
3. Design an intensive luteal support protocol to improve implantation of fresh embryos in GnRHa triggered IVF cycles; and demonstrate safety and efficacy in relation to patients' endocrine profile and ovarian response.
4. Estimate the benefits and perils of LH luteal support for fresh embryo transfer after GnRHa triggering.
5. Identify risk factors associated with a compromised LH surge after GnRHa triggering, interpret markers that predict poor oocyte yield and maturation rates, and implement preventive and corrective measures.
6. Appraise OHSS risk associated with GnRHa triggering according to the



## Needs Assessment and Description

The theme of the 2021 Scientific Congress of the American Society for Reproductive Medicine is "Reproduction Reimagined." The scope of reproductive medicine is broad ranging from puberty to menopause, including males and females, while having a focus that is both molecular and macroscopic. The program is balanced between science at the cellular level and application of reimagining reproduction in using cutting edge information in the clinical care of patients to promote positive outcomes for families. This live program is designed for physicians, nurses, andrology and embryology laboratory personnel, genetic counselors, social workers, practice and laboratory managers, as well as specialists in mental health, law, and ethics to advance exemplary medical care and disseminate cutting-edge research. These goals will be addressed by a wide array of educational activities.

The CME/CE portion of the Scientific Congress will include plenary, lectures, symposia, and interactive sessions interweaving the theme of the annual Congress. Plenary lectures will feature exceptional speakers covering a wide range of themes in reproductive medicine including: a supportive physiologic environment for the extreme premature infant, compelling evidence that collaboration with qualified male reproductive urologists improves ART outcomes, new frontiers in contraception research, genetic basis of meiotic catastrophe, applications of nuclear transplantation in reproductive medicine, past and future IVF, and a history of and future for endometriosis surgery. Congress symposia will provide more in-depth coverage of basic and clinical subjects. Topics range from a wide variety of interests including: reimagining the future of male reproductive medicine in the age of telemedicine and beyond, SART-CORS registry, educating the modern day REI nurse, addressing systemic inequities in reproductive healthcare, reimagining reproductive counseling and treatment in an era of uncertainty: pandemic impacts on fertility care, long-term storage of germplasms at room temperature, multidisciplinary and collaborative approach to endometriosis, PGT yesterday, today, and tomorrow, neonatal programming and lessons from the lactocrine hypothesis, the impact of private equity on the fertility industry, managing the age related DOR patient, endometriosis: mechanism, endometrial receptivity and infertility, demystifying pelvic pain in adolescent females, regenerative medicine as the new frontier in ART, natural killer cell-mediated immune pathology and reproductive failures, niPGT-A for embryo prioritization, management of patients with serious medical problems, the task to increase diversity in subspecialty REI training, artificial intelligence (AI) in the IVF laboratory, transgender youth: navigating parents, peers, and society while envisioning future family planning, what we have learned from catastrophic events, the environment affects more than the ice caps, epigenetic/genomic anomalies in oocytes/embryos: current insights and clinical implications, fertility preservation for women and girls with POI, and medical and surgical management of adenomyosis and infertility.

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, open identity gamete donation, evidenced based selection of ovarian stimulation protocols for fertility preservation, integrating the reproductive urologist within an ART practice, PGT-A for pregnancy loss prevention, case presentations on hormone therapy for POI and menopause, reimagining patient education with the use of social media, Asherman's syndrome, diversity, equity and inclusion task force, vaginal microbiome is emerging as a key factor in reproductive health, optimize outcomes for the infertility patient with PCOS, video surgical tutorial on repair of c-section scar defects, strategies for a successful career, reimagining complex needs of ovarian insufficiency and creating the ultimate reproductive team, oncofertility and sperm cryopreservation during the COVID-19 pandemic, chat with journal editors, let's talk legal, 3D SIS or hysteroscopy for uterine cavity evaluation, transferring segmental aneuploidy embryos safe, Baltimore IVF history, increasing access to third party reproduction, to ICSI all or not, varicocelelectomy in the management of male factor infertility, core business principles, endometrial receptivity and ART outcomes, addressing mental health for patients with pregnancy loss, contemporary management of Turner syndrome, patient perspectives and advocacy for black women facing infertility, complex family planning, dietary patterns, new AUA/ASRM infertility guidelines, and ASRM Mullerian anomaly classification. Supplementing the CME/CE program will be non-CME/CE events including roundtable luncheons and Expert Encounters that will provide opportunities for in-depth discussion with experts in small-group settings as well as oral and poster scientific abstract presentations that enable investigators to present cutting-edge scientific research in reproductive medicine and biology. Included in the diverse program are "tracks" for specialty and interest areas to enable participants to focus on specific topics and identify areas to expand their knowledge. The 2021 Scientific Congress should provide ample opportunity for learning, improvement of clinical competence, and reimagining reproduction for the future of family fertility care.

## Learning Objectives

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

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

## ACGME Competencies

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

## Interprofessional Competencies

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

