

**19th Royan International Congress
on
Reproductive Biomedicine**

Scientific Program

August 29 - 31, 2018

Scientific Program -19th Congress on Reproductive Biomedicine
 August 29 - 31, 2018
 Razi International Conference Center, Tehran, Iran

August 29, 2018, 8:00-8:30, Hall 1 (Joint Session for Two Congresses)

Opening Ceremony

8:00 – 8:05	Holy Quran & Iranian National Anthem
8:05 – 8:10 Marziyeh Shiva (Iran)	19 th Congress Chairperson, Reproductive Biomedicine
8:10-8:15 Sara Pahlevan (Iran)	14 th Congress Chairperson, Stem Cell Biology and Technology
8:15-8:20 Amir Ali Hamidieh (Iran)	Secretary of Development of Stem Cell Sciences and Technologies Council
8:20-8:25 Mohammad Ali Sadighi Gilani (Iran)	President of Iranian Society for Reproductive Medicine (ISRM)

August 29, 2018, 8:40- 10:30, Hall 1 (Joint Session for Two Congresses)

Keynote Lectures (Hall 1)

Chairpersons: H. Gourabi, A.H. Shahverdi, A. Aflatoonian, A.A. Hamidieh, M.A. Sadighi Gilani

8:40- 9:10 Caroline Gargett (Australia)	Towards the clinical translation of a mesenchymal stem cell-based therapy for pelvic organ prolapse
9:15– 9:55 Michele De Luca (Italy)	Skin regeneration with insights
10:00-10:30 Teresa Woodruff (USA)	A microfluidic culture model of the human reproductive tract and 28-day menstrual cycle
10:30-11:00	Coffee Break, Exhibition & Poster session

August 29, 2018, 11:00 – 13:00, Hall 1 (Joint Session for Two Congresses)

Award Ceremony (Hall 1)

19th Royan International Award Ceremony

13:00-14:00	Lunch Break, Exhibition & Poster session
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August 29, 2018, 14:00 – 16:00, Hall 2

**ART Challenges
 (Panel Discussion & Case Presentation)**

Chairpersons: M.H. Nasr Esfahani, M.A. Sadighi Gilani, A. Aflatoonian, S. Salehpour, C. Gargett, A. Capalbo

14:00-16:00	Panel Discussion
16:00- 16:30	Coffee Break, Exhibition & Poster Reading

August 29, 2018, 16:30 – 18:30, Hall 2

ART Success: Opportunities & Threats (Panel Discussion & Case Presentation)	
Chairpersons: <i>F. Ramezanzadeh, H. Choubineh, M. Movahedin, Y. Khalaf, M. Kazemeini, M. Hafezi</i>	
16:30- 16:45 Abbas Aflatoonian (Iran)	Nonsurgical treatment of endometriuma
16:50-17:05 Leila Bayani (Iran)	Diagnosis of uterine anomalies by ultrasound and MR before starting treatment
17:10-17:25 Mahnaz Ashrafi (Iran)	Endometriosis and ART
17:30-17:45 Antonio Capablbo (Italy)	Why, When and for Whom PGD and PGS May be Beneficial
17:50-18:05 Yacoub Khalaf (UK)	Developing the concept of iCOS: A path toward success in ART
18:10-18:30	Q & A

August 29, 2018, 14:00 – 18:30, Hall 3, Nursing and Midwifery

Challenges and Clinical Considerations in ART Special Issues for Paramedical Group (In Persian)	
Chairpersons: <i>R.Hosseini, M. Jafarabadi, F. Kashfi, N. Mirghavameddin</i>	
14:00-14:15 Fahimeh Kashfi (Iran)	Welcome and Introduction
14:20-14:35 Roya Hosseini (Iran)	Obesity and infertility
14:40-14:55 Mina Ja'far Abadi (Iran)	Advanced maternal age (risks and realities)
15:00-15:15 Maryam Bagheri (Iran)	Dilemmas in providing infertility care for high risk patients
15:20-15: 35 Asra Ansari (Iran)	Comparing the effects of palm pollen with letrozole+tamoxifen in infertile woman with polycystic ovary syndrome on pregnancy rate
15:40-16:00 Fatemeh Hadizadeh Talasaz (Iran)	Development and psychometric properties of the decision-making for reproductive donation questionnaire (DMRDQ) in Iranian infertile couples
16:00-16:30	Coffee Break, Exhibition & Poster Reading
Genetic Screenings before Conception and during Pregnancy	
Chairpersons: <i>H. Gourabi, A. Moini, N. Almadani, M. Moshfeghi, M. Ahmadi</i>	
16:30-18:30 Panel Discussion	Genetic consultations, necessities and importance: Genetic assessment guidelines for infertile couples <i>PGD, PGS, Amniocentesis, CVS, NIFTY</i>

August 30, 2018, 8:30 – 10:30, Hall 2

Precision Medicine in Control Ovarian Stimulation

Chairpersons: <u>T.K. Woodruff</u> , M.A. Khalili, M. Meseguer, R. Taheripanah, F. Sohrabvand	
8:30-8:45 Saghar Salehpour (Iran)	Reproductive outcomes & adenomiosis
8:50-9:05 Teresa K. Woodruff (USA)	New communication strategies for reproductive science and medicine
9:10-9:25 Yacoub Khalaf (UK)	The POR patients: Aetiologia and management developing the concept of iCOS: A path toward success in ART
9:30-9:45 Soheyly Arefi (Iran)	Management in POI patients
9:50-10:05 Reza Omani Samani (Iran)	Precision medicine in COH: Ethical perspective
10:10-10:30	<i>Company Symposium</i>
10:30-11:00	Coffee Break, Exhibition & Poster Reading

August 30, 2018, 8:30 – 10:30, Hall 3

Environmental Factors & Life Style in Fertility and Reproductive Toxin

Chairpersons: <u>P. Eftekhari Yazdi</u> , J. V. Drevet, S. Vahidi, M. Razi, A. R. Alizadeh, M. Mashayekhi	
8:30-8:45 Thomas V. O'Halloran (USA)	New regulators of meiotic progression: The zinc spark and zinc flix
8:50 – 9:05 Parviz Gharagozloo (USA)	Antioxidants in the practice of male infertility; what every clinician should know prior to treatment by ART?
9:10-9:25 Syeda Fakhera Zaidi Feroz (UK)	Importance of toxins in repro-medicine: Focusing on IVF outcomes
9:30- 9:45 Zatollah Asemi (Iran)	Effects of carnitine and chromium co-supplementation on body weight, metabolic and genetic profiles in women with polycystic ovary syndrome: A randomized, double-blind, placebo-controlled trial
9:50- 10:05 Hassan Maleknejad (Iran)	The natural toxins do not discriminate between male and female
10:10-10:25 Jorge Hallak (Brazil)	The impact of environmental stressors and air pollution on spermatogenesis: An epidemiological and mechanistic approach
10:30-11:00	Coffee Break, Exhibition & Poster Reading

August 30, 2018, 11:00 – 13:00, Hall 2

Gametes & Embryo Screening: New Approaches*Chairpersons: M. R. Sadeghi, P. Salehi, S. F. Z.F. Fero, R. Aflatoonian*

11:00-11:15 Marcus Meseguer (Spain)	New strategies for diagnosing embryo implantation potential
11:20-11:35 Wilfrid Kues (Germany)	Non-viral derivation of induced pluripotent stem cells from farm animals
11:40-11:55 Thomas O'Halloran (USA)	Regulation of sperm development by zinc
12:00-12:15 Navid Manuchehrabadi (USA)	Feasibility study in the development of whole ovary vitrification and nanowarming
12:20-12:35 Maryam Hafezi (Iran)	Social fertility preservation
12:40-12:47 Soheila Arefi (Iran)	Intrauterine administration of treated PBMC prior frozen/thawed embryo transfer improves pregnancy outcomes in patients with repeated implantation failures
12:50-13:00	Q & A
13:00-14:00	Lunch Break

August 30, 2018, 11:00-13:00 , Hall 3

Animal Biotechnology*Chairpersons: R.Fathi, T. O'Halloran, J. Hallak, V. Akbarinejad*

11:00-11:15 Mazdak Razi (Iran)	What did animal model studies give us about the varicocele-induced pathogenesis both at testicular and sperm levels: A fact or fiction
11:20-11:35 Wilfrid Kues (Germany)	Genetic engineering in model livestock species
11:40-11:55 Navid Manuchehrabadi (USA)	Improved tissue cryopreservation using inductive heating of magnetic Nanoparticles
12:00- 12:15 Mustafa Numan Bucak (Turkey)	Effects of ethylen glycol and quarcetin supplementation in cryoprotectants on post-thawed kangal dog sperm ultrastructure
12:20-12:35 Mohammad Hossein Nasr Esfahani (Iran)	Role of NANOG in goat pre-implantation embryonic development
12:40-13:00	Panel Discussion
13:00-14:00	Lunch Break, Exhibition & Poster Reading

August 30, 2018, 14:00- 16:00 , Hall 2

Presentations of Winners of 19th Royan Reproductive Research AwardChairpersons: *P. Afsharian, M.H. Nasr Esfahani, M. Ashrafi, M. Akhondi, F. Farrahi*

14:00-14:15 Mazdak Razi (Iran)	Antioxidant, anti-inflammatory and testosterone therapy reinforces spermatogonial stem cells self-renewal in experimentally-induced varicocele: possible mechanisms
14:20-14:35 Reza Nosrati (Australia)	Microfluidics for male fertility
14:40-14:55 Pradeep G Kumar (India)	Epigenetic regulation of coding and non-coding rna expression during the 1 st wave of spermatogenesis
15:00-15:15 Ali Fouladi-Nashta (Iran)	Impact of sperm hyaluronidase and VLMWHA on sheep blastocyst formation in vitro, viability after cryopreservation and pregnancy rate after embryo transfer
15:20-15:35 Amir Amiri Yekta (Iran)	Genetics and molecular characterization of the multiple morphological abnormalities of the sperm flagella (MMAF) syndrome
15:40-15:55 Teresa Kaye Woodruff (USA)	A bioprosthetic ovary created using 3D printed microporous scaffolds restores ovarian function in sterilized mice
16:00-16:30	Coffee Break, Exhibition & Poster Reading

August 30, 14:00-18:00, Hall 3; Nursing and Midwifery

Paramedical Familiarity with Stem Cell Applications in Reproductive Biology
(In Persian)Chairpersons: *F. Esfandiari, S. Kazemnejad, M. Zarrabi, M. Sadeghi*

14:00 – 14:15 Fereshteh Esfandiari (Iran)	What stem cells can do for infertile couples?
14:20-14:35 Somayeh Kazemnejad (Iran)	Feasibility of menstrual blood stem cells in cell therapy of reproductive disorders
14:40-14:55 Morteza Zarrabi (Iran)	The role of cord blood preservation in the hematopoietic stem cell transplantation
15:00-15:15 Azam Dalman (Iran)	Ovarian stem cells
15:20-15:35 Saiedeh Taghvaei (Iran)	Oncofertility and role of nurses & midwives in emotional support for patients
15:40-16:00 Ziba Raisi Dehkordi (Iran)	Aloe vera decreases male rat fertility in vivo
16:00-16:30	Coffee Break, Exhibition & Poster Reading

Sympathy and Empathy with Infertile Patients

Chairpersons: *Sh. Sabeti, H. Namazi, R.Omani Samani, Z.Ezabadi*

16:30-16:45 Hamidreza Namazi (Iran)	Introduction to empathy
16:50-17:05 Reza Omani Samani (Iran)	Support groups for infertile couples

17:10-17:25 Shokoufeh Sabeti (Iran)	Breaking bad news
17:30-17:45 Zahra Ezabadi (Iran)	Supporting nursing need for couples after ART failure
17:50- 18:00 Hashemieh Chehreh (Iran)	Comparison of marital satisfaction in infertile couples and its relationship with infertility related stress

August 30, 2018, 16:30- 18:00 , Hall 2

Fertility Preservation

Chairpersons: B. Rashidi, B. Ebrahimi, F. Ghaffari, M.R.Norouzi, P. Gharagozloo, S. Abdollahifard, M. Tashvighi

16:00-16:15 Teresa K. Woodruff (USA)	Oncofertility: From bench to bedside to babies
16:20-16:35 Mohammad Mehdi Naderi (Iran)	In vitro ovarion follicle culture
16:40-16:55 Mohammad Ebrahim Parsanezhad (Iran)	Transplantation of uterus
17:00-17:15 Sadegh Shariat Nasab (Iran)	Fertility preservation: Legal and ethical issues
17:20-17:35 Azadeh Akbari (Iran)	Breast cancer and ovulation induction and estrogen effect treatment
17:40-18:00	Q & A

August 31, 2018, 8:30 – 10:30, Hall 2

Andrology

Chairpersons: S. J. Hosseini, A. R. Kheradmand, A. Goshtasbi, F. Ramezanali, B. Movaghar

8:30-8:45 Mohammad Ali Sadighi Gilani (Iran)	Andrological surgery in ART
8:50-9:05 Parviz Gharagozloo (USA)	Sperm DNA fragmentation and antioxidant
9:10-9:25 Marwan Alhalabi (Syria)	Genetics of male infertility
9:30-9:45 Peyman Salehi (Iran)	Role of sperm DFI on IVF/ICSI success rate
9:50-10:05 Serajoddin Vahidi (Iran)	Iranian temporal changes in semen quality: 22 years of experience
10:10-10:30 Jorge Hallak (Brazil)	Alcohol, tobacco, recreational drugs and steroids: alterations in testicular function and semen quality

10:30-11:00

Coffee Break, Exhibition & Poster Reading

August 31, 2018, 8:30 – 10:30, Hall 3

Repro-Immunotherapy & Reprogenetics

Chairpersons: A.H. Zarnani, M. Alhalabi S. Alborzi, E. Amirchaghmaghi, M. Totonchi

8:30-8:45

Syeda Fakhera Zaidi Feroz (UK)

Endometrial transcriptome and proteome profiles in women with impaired fertility-further advancements

8:50 - 9:05

Marwan Alhalabi (Syria)

Inherited thrombophilia and recurrent pregnancy loss

9:10-9:25

Amir Hossein Zarnani (Iran)

Bad teacher or bad student: Toward pragmatic basis of immunologic recurrent pregnancy loss

9:30- 9:45

Joel Drevet (France)

8-OHDG detection in human sperm: a new assay to evaluate sperm DNA integrity

9:50-9:57

Samaneh Afraz (Iran)

Dopamine intervention in induction of polycystic ovary by morphine in the VMH of female rat

10:00-10:07

Mahmoud Hadwan (Iraq)

Heparin-binding proteins, a new predictor of the semen quality via regulation oxidant/antioxidant balance

10:10-10:30

Q & A

10:30-11:00

Coffee Break, Exhibition & Poster Reading

August 31, 2018, 11:00 – 13:00, Hall 2 (Joint Session for Hall 2 & 3)

Key Note Closing

Chairpersons: M. A. Parsanezhad, A. Vosough Dizaji, S. M. Ahmadi, E. Shahrokh Tehraninejad, T. K. Woodruff

11:00-11:25

Nezhat Mousavifar (Iran)

Role of ultrasound in infertility: from diagnosis to treatment

11:30-11:55

Joel D. Drevet (France)

Sperm nuclear DNA Oxidation: What to be afraid of? From lab models to the clinic

12:00-12:25

Marcus Meseguer (Spain)

Biomarkers and key considerations for single embryo transfer: which embryo to transfer based on early embryo assessments

12:30-13:00

Saeed Alborzi (Iran)

Decrease of ovarian reserve: any new hope?

August 31, 2018, 13:00 – 14:00, Hall 1 (Joint Session for Two Congresses)

Closing ceremony