The 5th IVF Worldwide Online Congress
Optimizing IVF treatment to maximize the likelihood of conception
April 8, 2022 ● April 9, 2022

April 8, 2022	
	Welcome - Zeev Shoham Israel, Milton Leong Hong Kong
	Session 1: Giants in Reproductive Medicine
	In memory of Robert Edwards, UK **Roger Gosden**, USA
	In memory of Howard Jones, USA **Alan DeCherney**, USA
	Honoring Alan Trounson, Australia **Luca Gianaroli**, Italy
	Past, Present, and Future: Exciting Moments in My Career **Alan Trounson**, Australia
	<u>Special award and lecture:</u>
	The American College of Embryology (EMBCOL) awarded Denny Sakkas, Ph.D. – The Embryologist Of The Year **David Gardner**, Australia
	The IVF Lab and Embryologist of the Future **Denny Sakkas**, USA
	Session 2: Improving IVF outcomes
	AI to optimize IVF outcome: Where are we today? **Ilan Tur-Kaspa**, USA *Supported by an unrestricted grant from IBSA*
	Embryo morphogenetic score: is this the future? **Giovanni Coticchio**, Italy
	Poor ovarian response: Clinical practice and treatment options **Juan Antonio Garcia Velasco**, Spain
	Session 3: New initiative: MedFemTech *This new initiative will highlight the new directory of promising start-ups that bring together pharmaceutical companies, the medical industry, investors and start-ups addressing female health.* **Introduction: Yesha Sivan Israel**
	Pre-conception
	Ovaterra: Preparing the Body for Pregnancy: The First Evidence-Based Intelligent Fertility Marketplace **Jodi Neuhauser**, USA
	Home monitoring
	IMMA health: Home monitoring: Transvaginal ultrasound in women's hands **Nadia Prisant**, Israel
	Hertility Health- the use of prediction algorithms for reproductive and gynecological health in an at-home test **Helen O'Neill**, UK
	Béa Fertility: Affordable at-home treatment - reintroducing Intracervical insemination **Sandy Christiansen**, UK
	Infertility workflow
	MIM Solutions: EMBRYOAID: Intelligent image data analysis system in infertility diagnostics MIM Solutions: FOLLISCAN: Intelligent algorithms supporting the doctor in the ultrasound diagnosis of a woman's ovarian reserve **Ula Sankowska**, Poland
	Ferty U: Service for ovarian response prediction in IVF infertility treatment **Ksenya Tikhaeva**, Russia
	FertilAI: AI and Big Data-based platform for automating protocol management in the IVF clinic **Rohi Hourvitz**, Israel
	Improving stimulation
	OptIVF: A software package for predicting optimal drug dosage customized for each patient for IVF cycles, marketed by Stochastic Research Technologies LLC., USA. **Urmila Diwekar**, USA

Session 4: Evolving role of genetic tests in reproductive medicine *Supported by an unrestricted grant from Thermo Fisher Scientific*	
Evolving role of genetic tests in reproductive medicine **Nair Ritu**, India	
Association between oral and fecal microbiota and the reproductive tract microbiome **Luis A. Alcaraz**, Spain	
Session 5: COVID-19 and its mRNA vaccine: effects on ovarian function and ART outcome Moderator**: Ariel Weissman**, Israel	
The effect of SARS-Cov-2 mRNA vaccination on ovarian reserve **Eran Horowitz**, Israel	
COVID-19 and fertility: what have we learned? **Anat Hershko-Klement**, Israel	
COVID-19 and IVF outcome **Raoul Orvieto**, Israel	
Session 6: Fertility Preservation	
AMH and Fertility Preservation **Mary Morris**, USA	
Fertility preservation in young non-iatrogenic POI patients **Dror Meirow,** Israel	

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Session 7: ART as a Family Planning Method   **Moderators: Ricardo Loret de Mola,** USA **and Sergio Papier,** Argentina   *Supported by an unrestricted grant from ALMER*
Elective Oocyte Cryopreservation   **Marcelo Barrionuevo**, USA
Elective preimplantation genetic studies   **Nathan Treff**, USA
Session 8: New initiative: MedFemTech   *This new initiative will highlight the new directory of promising start-ups that bring together pharmaceutical companies, the medical industry, investors and start-ups addressing female health.*   **Introduction: Yesha Sivan Israel**
Choosing the best oocyte
Future Fertility: A novel, non-invasive oocyte scoring system using AI applied to 2D images   **Jullin Fjeldstad**, Canada
AIVF: AI for ART – a proven reality   **Daniel Seidman**, Israel
Choosing the best embryo
Amplexa Genetics: Non-invasive PGT-A and NGS for optimizing IVF treatments   **Tamanna Mohammadi**, Denmark
Fairtility: The need for transparent AI in the IVF lab   **Cristina Hickman**, UK
Improving implantation
Maia Fertility : Breakthrough solution for human infertility: improving embryo implantation by enzymatic remodeling of the endometrium.   **Irit Sagi**, Israel
Fertigo Medical: Pinpoint the IVF window of opportunity   **Tsafrir Kolatt**, Israel
Choosing the best sperm for fertilization
QART Medical: Quantitative, Morphometric Sperm Cell Selection in ICSI   **Mattan Levi**, Israel
Baibys: Artificial Intelligence system for autonomous sperm selection before ICSI   **Nino Guy Cassuto**, France
Improving lab workflow
Fertilis Pty: Making life in the IVF laboratory simpler, safer, and better for embryologists and their patients   **Jeremy Thompson**, Australia
IVF 2.0 Ltd: Augmented Intelligence in the IVF lab: Selection is no longer a beauty contest   **Alejandro Chavez-Badiola**, Mexico
Session 9: Luteal Phase Progesterone
The importance of serum Progesterone levels in LPS and the use of rescue protocol with vaginal +s.c.   **Elena Labarta,** Spain   *Supported by an unrestricted grant from IBSA*
Late follicular phase progesterone elevation. Is it really important?   **Nikolaos Polyzos**, Spain
Session 10: Basic research of the ovarian environment
Mechanism of Primordial Follicle Recruitment: the truth about "ovarian rejuvenation"   **Sherman Silber**, USA
Beyond the gamete: the aging ovarian microenvironment   **Francesca Duncan**, USA
Ovarian stem cells: Mesenchymal stromal cells as supportive to germline stem cells   **Evelyn Telfer,** UK
How new research in embryo biology mandates a revaluation of chromosomal testing in IVF and earl pregnancy   **Norbert Gleicher**, USA   Response by **Nathan Treff**, USA

Session 11: implantation and supportive of pregnancy with progesterone	
	Ultrasound Based Endometrial Receptivity Scoring Improves In Vitro Fertilization Pregnancy Rates **Hannah Pierson,** Canada
	Recurrent implantation failure: Is it the embryo or the endometrium? **Jason Franasiak**, USA
	Progesterone – Is it a spoilsport or a Game changer in ART **Ameet Patki**, India
Session 12: The Uterus	
	Uterine developmental abnormalities: The role of environment and endocrine disruptors **Hugh Taylor**, USA
	The role of 3D ultrasound in the diagnosis of uterine congenital malformations **Brunella Zizolfi**, Italy
Session 13 : Latest innovation in the diagnosis and treatment of PCOS	
	Managing of high responders in 2022 **Panagiotis Drakopoulos**, Greece
	New insights into the management of PCOS **Seang Lin Tan**, Canada
	Why two PCOS phenotypes make much more sense than four **Norbert Gleicher**, USA
Session 14: The CHOSE project	
	Successful IVM in Humans Using Hayashi Principles in Mouse **Sherman Silber**, USA
	Making Oocytes & Ovarian Tissue From Stem Cells in a Mouse Model **Katsuhiko Hayashi**, Japan
	Generation of Germ Cells In Humans From Skin Biopsies **Amander Clark**, USA
	Using Stem Cells for Making Sperm **Kyle Orwig**, USA
Closing remarks	