



Scientific Program

08:00-08:30		Gathering and registration			
08:30-09:30 Session 1: Oral presentations					
	Hall A: PGD 1	Hall B: Embryology 1	Hall C: Andrology 1	Hall D: ART 1	Hall E
08:30-09:30	Chairs: <b>Gheona Altarescu, Yuval Or, Einat Shalom Paz</b>	Chairs: <b>Adva Aizer, Yulia Michailov, Elena Milner</b>	Chairs: <b>Ofer Fainaru, Ron Hauser, Mahmoud Huleihel</b>	Chairs: <b>Azem Foad, Sahar Kol, Anat Hersko Klement</b>	Psyco Social Program
08:30-08:45	<a href="#">THE IMPACT OF ASTROCYTES ON NEURAL DYSFUNCTION IN FRAGILE X SYNDROME</a> Ron Flohr, Dalit Ben-Yosef <i>Stem Cell Research lab, Fertility &amp; IVF Institute; CORAL - Center Of Regeneration And Longevity, Tel Aviv Sourasky Medical Center.</i> <i>Dept. of Cell and Developmental Biology, Sackler Faculty of Medicine; Sagol School of Neuroscience, Tel Aviv University, Israel</i>	<a href="#">BEYOND IMPLANTATION AND BIRTH RATES?: EXAMINING MORPHOKINETIC TIME-LAPSE MODELS AS PREDICTORS OF DIVERSE PERINATAL OUTCOMES</a> Liron Kedar; Mara Koifman; Idit Blais; Shirly Lahav; Yaara Hupert Tsalik; Grace Younes; Galia Oron; <sup>1</sup> <i>Division of Reproductive Endocrinology and In Vitro Fertilization (IVF), Department of Obstetrics and Gynecology Lady Davis Carmel Medical Center, Haifa, Israel.</i> <sup>2</sup> <i>Ruth and Bruch Rappaport Faculty of Medicine, Technion - Israel Institute of Technology, Haifa, Israel.</i>	<a href="#">SPERM EXTRACTION OUTCOMES IN MICROSURGICAL TESTICULAR SPERM EXTRACTION. TESTICULAR SPERM EXTRACTION AND TESTICULAR SPERM ASPIRATION, AND THEIR ASSOCIATION WITH TESTES VOLUME AND SERUM FSH LEVELS</a> Eran Altman <sup>1</sup> <sup>1</sup> <i>Beilinson Hospital- Rabin Medical Center, Male infertility, Sperm Bank and IVF Unit, Tel Aviv University, Petach-Tikva, Israel</i>	<a href="#">EXPLORING THE ROLE OF INTERFERON SIGNALING AS A MODIFIER OF DNA-DAMAGE SYNDROME AND GONADAL AGEING</a> M. Bergman <sup>1,2</sup> , U. Goshtchevsky <sup>2</sup> , T. Atlan <sup>2</sup> , G. Astre <sup>2</sup> , I. Ben-Ami <sup>1</sup> and I. Harel <sup>2</sup> <sup>1</sup> <i>Department of Obstetrics and Gynecology, Shaare Zedek Medical Center, affiliated with the Hebrew University Hadassah Medical School, Jerusalem, Israel</i> <sup>2</sup> <i>Department of Genetics, The Silverman Institute, The Hebrew University of Jerusalem</i> <i>Basic Science award nominee</i>	
08:45-09:00	<a href="#">SNP-ID: A NEXT GENERATION SEQUENCING PANEL FOR THE DETECTION OF DNA CONTAMINATION IN PREIMPLANTATION GENETIC TESTING (PGT)</a> Omer Murik <sup>1</sup> , Shira Shaviv <sup>1</sup> , Tal Dror <sup>1</sup> , Lih Amit <sup>1</sup> , Tzvia Mann <sup>1</sup> , David A. Zeevi <sup>1</sup> , Rachel Beer <sup>1</sup> , Pinhas Renbaum <sup>1</sup> , Oshrat Schonberger <sup>2</sup> , Esther Rubinstein <sup>2</sup> , Einat Zivi <sup>2</sup> , Ido Ben Ami <sup>2</sup> and Gheona Altarescu <sup>1</sup> . <sup>1</sup> <i>PGD Unit &amp; Translational Genomics Lab, Medical Genetics Institute, Shaare Zedek Medical Center, Jerusalem.</i> <sup>2</sup> <i>IVF Unit Shaare Zedek Medical Center, Jerusalem.</i>	<a href="#">METHODS TO IMPROVE FROZEN-THAWED BLASTOCYST TRANSFER OUTCOMES- THE IVF LABORATORY PERSPECTIVE.</a> Y. Michailov <sup>1,2</sup> , S. Friedler <sup>1,2</sup> , B. Saar-Ryss <sup>1,2</sup> <sup>1</sup> <i>Ben Gurion University of the Negev, Faculty of Health Sciences, Beer Sheva, Israel.</i> <sup>2</sup> <i>Barzilai Medical Center, IVF unit-Obstetrics and Gynecology Department, Ashkelon, Israel.</i>	<a href="#">IDIOPATHIC SECONDARY AZOOSPERMIA OCCURRENCE IN MEN WITH OLIGOSPERMIA OVER TIME</a> Gilad Karavani <sup>1,2</sup> ; Kirk C. Lo <sup>1</sup> ; Susan Lau <sup>1</sup> ; Ethan D. Grober <sup>1</sup> ; Vratil M. Mehra <sup>1</sup> ; Katherine Lajkosz <sup>1</sup> ; Keith Jarvi <sup>1</sup> <sup>1</sup> <i>Infertility and IVF unit Obstetrics &amp; gynecology department Hadassah Hebrew University Medical Center Jerusalem, Israel</i> <sup>2</sup> <i>Division of Urology, Department of Surgery, Mount Sinai Hospital, University of Toronto, Toronto, Ontario, Canada.</i>	<a href="#">THE ROLE OF EXTRACELLULAR MATRIX DURING DEVELOPMENT OF FXS BRAIN ORGANOID</a> Noy Krugliak <sup>1</sup> , Liron Kuznitsov-Yanovsky <sup>1</sup> , Sapir Havusha-Lauer <sup>2</sup> , Inna Solomonov <sup>2</sup> , Venkat Raghavan Krishnaswamy <sup>2</sup> , Irit Sagi <sup>2</sup> , Dalit Ben-Yosef <sup>1</sup> <sup>1</sup> <i>Stem Cell Research lab, Fertility &amp; IVF Institute; CORAL - Center Of Regeneration And Longevity, Tel Aviv Sourasky Medical Center. Dept. of Cell and Developmental Biology; Sagol School of Neuroscience, Tel Aviv University, Israel</i> <sup>2</sup> <i>Department of Immunology and Regenerative Biology, The Weizmann Institute of Science, Israel</i> <i>Basic Science award nominee</i>	
09:00-09:15	<a href="#">DOES BLASTOMERE/TROPHECTODERM BIOPSY FOR PGT AFFECT EARLY BHCG LEVELS?</a> Heli Alexandroni <sup>1</sup> <sup>1</sup> <i>Department of Obstetrics and Gynecology, IVF Unit, Shaare Zedek Medical Center, Jerusalem, Israel</i>	<a href="#">SHORT TIME OF CO-INCUBATION DURING CONVENTIONAL IN VITRO FERTILIZATION INCREASE CLINICAL SUCCESS</a> Luba Nemerovsky, Yehudith Ghetler, Danit Israel Bakhshi, Tal Rom, Ayelet Itskovich, Noga Yeres, Rita Yefimov, Olga Kaplanski, Amir Wisner, Mattan Levi <i>IVF Unit, Department of Obstetrics and Gynecology, Meir Medical Center, Kfar Saba, Israel affiliated with the Faculty of Medicine, Tel Aviv University</i>	<a href="#">LONG-TERM SPERM PRESERVATION: EXPLORING THE CLINICAL, ECONOMIC, AND ETHICAL DIMENSIONS</a> Roy Bitan <sup>1,2,5</sup> , Tal Suissa <sup>3</sup> , Itai Gat <sup>1,4,5</sup> <sup>1</sup> <i>Sperm Bank &amp; Andrology Unit, Shamir Medical Center, Zerifin, Israel.</i> <sup>2</sup> <i>Department of Management, Health Systems Management Program, Bar Ilan University, Ramat Gan, Israel.</i> <sup>3</sup> <i>Department of Economic, Bar Ilan University, Ramat Gan, Israel.</i> <sup>4</sup> <i>IVF Department, Shamir Medical Center, Zerifin, Israel.</i> <sup>5</sup> <i>Faculty of Medical and Health Science, Tel Aviv University, Tel Aviv, Israel</i>	<a href="#">MATERNAL FERTILITY TREATMENTS AND THE RISK FOR INFLAMMATORY BOWEL DISEASE OF THE OFFSPRING</a> Sapir Ellouk <sup>1</sup> , Gil Gutvirtz <sup>2</sup> , Tamar Wainstock <sup>2</sup> , Naama Steiner <sup>1</sup> , Atif Zeadna <sup>1</sup> Eyal Sheiner <sup>3</sup> <sup>1</sup> <i>IVF and Fertility Unit, Soroka University Medical Center, Beer-Sheva, Israel,</i> <sup>2</sup> <i>Ben-Gurion University of the Negev, Department of Epidemiology and Health Services Evaluation, Beer-Sheva, Israel,</i> <sup>3</sup> <i>Department of Obstetrics and Gynecology, Soroka University Medical Center, Faculty of Health Sciences, Ben-Gurion University of the Negev, Beer-Sheva, Israel</i> <i>Clinical science award nominee</i>	
09:15-09:30	<a href="#">TIMING OF EMBRYO VITRIFICATION AND IVF OUTCOMES IN PREIMPLANTATION GENETIC TESTING CYCLES: A RETROSPECTIVE STUDY</a> Gal Bachar <sup>1,2</sup> , Shir Cohen <sup>2</sup> , Ofer Fainaru <sup>1,2</sup> <sup>1</sup> <i>IVF Unit, Rambam Medical Center, Haifa, Israel</i> <sup>2</sup> <i>Rappaport School of Medicine, Technion – Israel Institute of Technology, Haifa, Israel.</i>	<a href="#">THE RANK-RANKL-OPG SYSTEM - A NEW PLAYER IN OOCYTE MATURATION</a> Yuval Yung, Tal Bakish, Gil M. Yerushalmi, Raoul Orvieto, Ariel Hourvitz <i>Sheba Medical Center</i> <i>Basic Science award nominee</i>	<a href="#">ENDOCRINE STIMULATION IN MEN WITH NON-OBSTRUCTIVE AZOOSPERMIA PRIOR TO MICRO-TESE: THE VALUE OF HORMONAL RESPONSE AS A PREDICTOR OF SPERM RETRIEVAL</a> Shlomi Barak <sup>1,2</sup> , Netanel Waldenberg <sup>3</sup> , Aharon Peretz <sup>4</sup> , Reut Bartoov <sup>5</sup> , Guy Bar <sup>1</sup> , Snir Dekalo <sup>6</sup> <sup>1</sup> <i>Reproductive Services - Obstetrics and Gynecology, Assuta Ashdod University Hospital, Israel.</i> <sup>2</sup> <i>Obstetrics and Gynecology, Faculty of Health Sciences, Ben-Gurion University of the Negev, Israel.</i> <sup>3</sup> <i>The Multidisciplinary Center for Female and Male Infertility, Israel.</i> <sup>4</sup> <i>IVF and infertility Unit, Shaare Zedek Medical Center, Israel.</i> <sup>5</sup> <i>The Bartoov Center - the Comprehensive Center for Male Fertility, Israel.</i> <sup>6</sup> <i>Urology department, Tel Aviv Sourasky Medical Center, Faculty of Medical health and sciences, Tel Aviv, Israel</i>	<a href="#">AN ARTIFICIAL INTELLIGENCE SCORING (iDAScore) vs. EMBRYOLOGIST SELECTION: PREGNANCY OUTCOMES IN FRESH SINGLE BLASTOCYST TRANSFER</a> Shira Yaacobi-Artzi, Michal Yonish, Tal Shavit <i>The IVF unit, Assuta Medical Center, Tel Aviv, Israel</i> <i>Clinical science award nominee</i>	

09:30-10:30 Session 2: Oral presentations					
	Hall A: PGD 2	Hall B: Embryology 2	Hall C: Andrology 2	Hall D: Basic science	Hall E
09:30-10:30	Chairs: Oshrat Shonberger, Baruch Feldman, Bozhena Saar-Ryss	Chairs: Dvora Strassburger, Iris Har-Vardi, Maya Finkelstein	Chairs: Eitan Lunenfeld, Mattan Levi, Arieh Raziel	Chairs: Johnny Younis, Adrian Shulman, Jigal Hass	Psyco Social Program
09:30-09:45	PREIMPLANTATION GENETIC TESTING (PGT) FOR BRCA CARRIERS. A CENTRALIZED CENTER EXPERIENCE Dalit May <sup>1</sup> , Daniela Kamar; Einat Zivi; Ido Ben-Ami; Gheona Altarescu; <sup>1</sup> PGT Unit, Shaare Zedek Medical Center, Jerusalem, Israel	<a href="#">EFFECT OF CONVENTIONAL IN VITRO FERTILIZATION (IVF) VERSUS INTRACYTOPLASMIC SPERM INJECTION (ICSI) ON EMBRYO MORPHOKINETIC DEVELOPMENT IN NON-MALE FACTOR INFERTILE PATIENTS</a> Rivi Levy, Reham Eneam, Firas Zbidat, Shira Baram and Ronit Beck-Fruchter HaEmek Medical Center, Afula, Israel	<a href="#">HETEROZYGOE MISSENSE VARIATIONS IN PROKR2 PRESENT PARTIAL PENETRANCE FOR CAUSING HYPOGONADOTROPIC HYPOGONADISM</a> Florence Abou <sup>1,2</sup> , Moran Gershoni <sup>3</sup> , Netanel Waldenberg <sup>4</sup> , Naama Steiner <sup>5</sup> , Noga Fuchs Weizman <sup>6</sup> , Shimi Barda <sup>6</sup> , Sandra Kleiman <sup>6</sup> , Shlomi Barak <sup>4,7</sup> , Ruti Parvari <sup>1,2</sup> <sup>1</sup> Ben-Gurion University of the Negev, National Institute of Biotechnology in the Negev, Be'er sheva, Israel. <sup>2</sup> Ben-Gurion University of the Negev, The Shraga Segal Department of Microbiology, Immunology and Genetics Faculty of Health Sciences, Be'er sheva, Israel. <sup>3</sup> Institute of Animal Science, Agricultural Research Organization, Volcani Center, Rishon LeZion, Israel. <sup>4</sup> The Multidisciplinary Center for Female and Male Infertility, Male fertility, Tel Aviv, Israel. <sup>5</sup> Soroka University Medical Center, Fertility and IVF Unit, Department of Obstetrics and Gynecology, Be'er Sheva, Israel. <sup>6</sup> Male Fertility Clinic and Sperm Bank, Lis Maternity Hospital, Tel Aviv Sourasky Medical Center, affiliated with the Sackler Faculty of Medicine, Tel Aviv, Israel. <sup>7</sup> Assuta Ashdod University Hospital, Reproductive Services, Ashdod, Israel	<a href="#">EXPLORING SHORT-TERM OBSTETRIC AND NEONATAL COMPLICATIONS IN WOMEN WITH ENDOMETRIOSIS</a> Anastasia Bendet <sup>1</sup> , Gil Gutvirtz <sup>1</sup> , Tamar Wainstock <sup>2</sup> , and Eyal Sheiner <sup>1</sup> <sup>1</sup> Department of Obstetrics and Gynecology, Soroka University Medical Center, Faculty of Health Sciences, Ben-Gurion University of the Negev, Beer-Sheva, Israel; <sup>2</sup> Ben-Gurion University of the Negev, Department of Epidemiology and Health Services Evaluation, Beer-Sheva, Israel	
09:45-10:00	<a href="#">EXAMINING CELLULAR INFLAMMATORY PROFILES IN UTERINE CAVITY ASPIRATES WITH AND WITHOUT A NICHE: A PROSPECTIVE CONTROL STUDY</a> Adler Lazarovits Chana, Sridharan Nikhila, Hizkiyahu Ranit, Yona Simon, Hershko Klement Anat, Bentov Yaakov IVF unit, Hadassah Mt. Scopus University Hospital, Jerusalem, Israel <i>Clinical science award nominee</i>	<a href="#">COMPARATIVE ANALYSIS OF EMBRYO MORPHOKINETICS DEVELOPMENT AND PREGNANCY OUTCOMES IN ART: OVITRELLE VERSUS A MIXED PROTOCOL</a> Avi Zolotarevsky <sup>1,2</sup> , Yuval Atzmon <sup>1,2</sup> , Nardin Aslih <sup>1,2</sup> , Moamina Sharqawi <sup>1,2</sup> , Maya Shavit <sup>1,2</sup> , Asaf Bilgory <sup>1,2</sup> , Yasmin Shibli Abu Raya <sup>1,2</sup> , Medea Michaeli <sup>1</sup> , Nechami Rothfarb <sup>1</sup> , Diana Poltov <sup>1</sup> Einat Shalom-Paz <sup>1,2</sup> <sup>1</sup> IVF Unit, Department of Obstetrics and Gynecology, Hillel-Yaffe Medical Center, Hadera 3810000, Israel. <sup>2</sup> . Ruth and Bruce Rappaport School of Medicine, Technion-Israel Institute of Technology, Haifa 3109601, Israel.	<a href="#">INDUCTION OF THE MATURATION OF MOUSE SPERMATOGONIAL CELLS IN A 3D IN VITRO CULTURE BY PROGESTERONE; POSSIBLE REGULATION THROUGH SERTOLI AND LEYDIG CELLS</a> Areej Jorban <sup>1,2,3</sup> , Eitan Lunenfeld <sup>4</sup> , and Mahmoud Huleihel <sup>1,2,3</sup> <sup>1</sup> The Shraga Segal Dept. Microbiology, Immunology and Genetics. <sup>2</sup> The Center of Advanced Research and Education in Reproduction (CARER). <sup>3</sup> Faculty of Health Sciences, Ben-Gurion University of the Negev. Beer-Sheva, Israel. <sup>4</sup> Adelson School of Medicine, Ariel University, Ariel, Israel. <i>Basic Science award nominee</i>	<a href="#">INDUCTION OF DORMANT PRIMORDIAL FOLLICLE ACTIVATION BY PHARMACOLOGIC DEPLETION OF COLLAGEN IV-FIRST REPORT</a> Sanaz Dereh Haim Tzfanya <sup>1,2</sup> , Oren Kashi <sup>1</sup> , Itay Spector <sup>1</sup> , Ilana Boustana <sup>1</sup> , Dror Meirou <sup>1,2</sup> <sup>1</sup> The Morris Kahn Fertility Preservation Center, Sheba Medical Center, Ramat-Gan, Israel. <sup>2</sup> Sackler School of Medicine, Tel-Aviv University, Tel-Aviv, Israel.	
10:00-10:15	<a href="#">INCREASED COMPLEX ANEUPLOIDY RATE IN CLEAVAGE STAGE EMBRYOS</a> Einat Zivi <sup>1</sup> , Orit Freireich <sup>2</sup> , Galit Lazer – Derbeko <sup>2</sup> , Hadar Bar-Noy <sup>2</sup> , Pinhas Renbaum <sup>2</sup> , Rachel Beer <sup>2</sup> , Sharon Zeligson <sup>2</sup> , Orit Lobel <sup>2</sup> , David Zeevi <sup>2</sup> , Elina Farhi <sup>2</sup> , Elinor Hakam-Spector <sup>2</sup> , Tal Dror <sup>2</sup> , Shira Shaviv <sup>2</sup> , Esther Rubinstein <sup>1</sup> , Oshrat Schonberger <sup>1</sup> , Ido Ben-Ami <sup>1</sup> , Gheona Altarescu <sup>2</sup> <sup>1</sup> IVF and Infertility Unit, Department of Obstetrics and Gynecology, Shaare Zedek Medical Center, Jerusalem, Israel <sup>2</sup> PGT Unit, Medical Genetics Institute, Shaare Zedek Medical Center, Jerusalem, Israel <i>Clinical science award nominee</i>	<a href="#">IVF OUTCOMES OF DOUBLE-VITRIFICATION AND WARMING EMBRYOS</a> Yael Kalma, Roni Rahav, Rotem Kopel, Einav Shporn, Sophie Sacofsky, Adi Kamil-Cohen, Shir Nissim, Alexandra Polonsky, Foad Azem, Dalit Ben-Yosef Fertility and IVF Institute, Tel-Aviv Sourasky Medical Center, Tel Aviv, Israel.	<a href="#">SPERMATOGONIAL CELLS FROM NORMAL AND BUSULFAN-TREATED IMMATURE MICE WERE INDUCED BY TESTOSTERONE AND IL-1BETA TO DEVELOP DIFFERENT STAGES OF SPERMATOGENESIS IN-VITRO.</a> Ali, Naghani <sup>1,2,3</sup> ; Lunenfeld, Eitan <sup>4</sup> ; Huleihel, Mahmoud <sup>1,2,3</sup> <sup>1</sup> The microbiology, immunology and genetics. <sup>2</sup> The center of advanced research and education in reproduction (CARER). <sup>3</sup> Faculty of health sciences, Ben-Gurion university of the negev. Beer-Sheva, Israel. <sup>4</sup> Adelson school of medicine, Ariel university, Ariel, Israel. <i>Basic Science award nominee</i>	<a href="#">MAINTENANCE OF THE OVARIAN FOLLICULAR RESERVE: INVOLVEMENT OF VASORIN</a> Noa Lavi-Shoseyov <sup>1,2</sup> , Dafna Ketter <sup>1</sup> , Yuval Or <sup>2</sup> , Michal Neeman <sup>1</sup> , Nava Dekel <sup>1</sup> <sup>1</sup> Department of Immunology and Regenerative Biology, Weizmann institute of science, Rehovot, Israel. <sup>2</sup> Kaplan Hospital, Rehovot, Israel	
10:15-10:30	<a href="#">LIVE BIRTH RATE TO EMBRYO TRANSFER RATIO IN DOUBLE BIOPSIED EMBRYOS FOR PGT</a> D Lasry , Naama Srebnik, R Beeri, E Farhi, Gheona Altrescu, N Dekel, Ido Ben-Ami Shaare Zedek Medical Center, Jerusalem, Il	<a href="#">DEVELOPMENT OF THE INDIFFERENT GONAD: IS THE EMBRYONIC KIDNEY INVOLVED?</a> Arraf, Alaa <sup>1,2</sup> , Siboni Itzik <sup>2</sup> , Ofer Fainaru <sup>1,2</sup> , Thomas Schultheiss <sup>2</sup> . <sup>1</sup> IVF Unit, Department of Obstetrics and Gynecology, Rambam Medical Center. <sup>2</sup> Rappaport Faculty of medicine, Technion israel Institute of Technology.	<a href="#">DEVELOPMENT OF MOUSE ORGANIDS WITH SEMINIFEROUS TUBULE-LIKE STRUCTURE AND COMPLETE SPERMATOGENESIS IN A 3D IN VITRO CULTURE SYSTEM</a> Jorban Areej <sup>1,2,3</sup> ; Lunenfeld, Eitan <sup>4</sup> ; Huleihel, Mahmoud <sup>1,2,3</sup> <sup>1</sup> The Shraga Segal Dept. Microbiology, Immunology and Genetics, <sup>2</sup> The Center of Advanced Research and Education in Reproduction (CARER), <sup>3</sup> Faculty of Health Sciences, Ben-Gurion University of the Negev. Beer-Sheva, Israel, and <sup>4</sup> Adelson School of Medicine, Ariel University, Ariel, Israel.	AGE-RELATED LOSS OF HETEROCHROMATIN IN OOCYTES AND GRANULOSA CELLS LEADS TO FERTILITY DECLINE WITH AGE VIA OOCYTE MATURATION DEFECTS AND ANEUPLOIDY Michael Klutstein <sup>1</sup> , Peera Wasserzug-Pash; Natan Stein; Yehudit Friedman; Henny Mozes; Eli Reich; Gilad Karavani; Tal Imbar <sup>1</sup> Institute of Biomedical and Oral Research Hebrew University of Jerusalem	

10:30-11:00	Coffee break, visit the exhibition and view the posters		
11:00-12:35	Session 3: Plenary Session		
	Hall A Chairs: Ariel Weissman, Rafael Ron-El, Eran Gershon		Hall E
11:00-11:15	Yearly summary Raoul Orvieto, Chairman of the Israeli Fertility Association		Psyco Social Program
11:15-11:55	Non-invasive AI-based decision tools and robotics in the IVF laboratory Nikica Zaninovic, Weil Cornell Medicine, USA <i>This lecture has been pre-recorded</i>		
11:55-12:35	Novel Organelles in Early Oogenesis: Development, functions, and reproductive dysfunctions Yaniv Elkouby, the School of Medicine at the Hebrew University of Jerusalem		
12:35-12:50	Ayala association members meeting - Proposed policies and regulations amendment Avi Tzafrir, Shaare Zedek Medical Center		
12:35-14:00	Lunch break, visit the exhibition and view the posters		
	13:30-14:00	Sponsored by CTS Optimizing HRT protocols for frozen embryo transfer Yossi Mizrahi, senior physician in the IVF Unit at the Wolfson Medical Center.	
14:00-15:10	Session 4: Plenary Session		
	Hall A Chairs: Eran Horowitz, Ido Ben-Ami, Neri Laufer		Hall E
14:00-14:20	IVF Figures 2022 Liat Lerner, Sheba Tel-Hashomer		Psyco Social Program
14:20-14:40	Appreciation Award, Awards and Prizes Clinical: Benjamin Fisch, Hadar Amir, Avi Ben Haroush Basic: Orna Bern, Eran Gershon, Dror Meirow Poster: Marta Direnfeld, Amir Weiss, Irit Granot		
14:40-15:10	Presentation of the Department of Fertility and Birth at the Ministry of Health, its interface, and connection with IFA. Talia Eldar-Geva, Infertility and Reproduction Department, Ministry of Health		

15:10-15:20	Technical break			
15:20-16:20	Session 5: Oral presentations			
	Hall A: AI 1	Hall B: ART 2	Hall C: ART 3	Hall D: ART 4
	Chairs: Assaf Ben-Meir, Ekaterina Shlush, Daniel Seidman	Chairs: Micha Baum, Michal Yunish, Atif Zeadna	Chairs: Ronit Beck-Fruchter, Samer Khoury, Yonatan Tzur	Chairs: Yuval Bdolah, Jimmy Jadaon, Talia Mordechai
15:20-15:35	<p><a href="#">MACHINE LEARNING OVULATION PREDICTION MODEL SIGNIFICANTLY INCREASES CLINICAL PREGNANCY RATES IN NATURAL FROZEN-THAWED EMBRYO TRANSFER CYCLES</a></p> <p>Almog Luz, Ariel Hourvitz<sup>3</sup>, Eden Moran, Nevo Itzhak, Shachar Reuvenny, Rohi Hourvitz, Michal Youngster<sup>3</sup>, Micha Baum<sup>1,2</sup>, Ettie Maman<sup>1,2</sup></p> <p><sup>1</sup> Herzliya Medical Center, In Vitro Fertilization Unit. <sup>2</sup>Sheba Medical Center In Vitro Fertilization Unit, Department of Obstetrics and Gynecology. Tel Aviv University <sup>3</sup>Shamir Medical Center In Vitro Fertilization Unit, affiliated with the Faculty of Medical and Health Sciences, Tel Aviv University</p>	<p><a href="#">MATERNAL ENDOMETRIOSIS IS AN INDEPENDENT RISK FACTOR FOR LONG-TERM GASTROINTESTINAL MORBIDITY DURING CHILDHOOD</a></p> <p>Sapir Ellouk<sup>1</sup>, Gil Gutvirtz<sup>1</sup>, Tamar Wainstock<sup>2</sup>, Naama Steiner<sup>1</sup>, Atif Zeadna<sup>1</sup>, Eyal Sheiner<sup>3</sup></p> <p><sup>1</sup>IVF and Fertility Unit, Soroka University Medical Center, Beer-Sheva, Israel <sup>2</sup>Ben-Gurion University of the Negev, Department of Epidemiology and Health Services Evaluation, Beer-Sheva, Israel <sup>3</sup>Department of Obstetrics and Gynecology, Soroka University Medical Center, Faculty of Health Sciences, Ben-Gurion University of the Negev, Beer-Sheva, Israel</p>	<p><a href="#">COMPARISON OF IVF TREATMENT OUTCOMES: MORULA VERSUS CLEAVAGE STAGE AND BLASTOCYST EMBRYOS TRANSFER</a></p> <p>Sima Simcha Nagawkar Perlov<sup>1</sup>, Guy Shrem<sup>1,2</sup>, Michael Yakubov<sup>1</sup>, Shir Dar<sup>1,3</sup>, Sarit Oron<sup>1</sup>, Yael Harir<sup>1</sup>, Rona Halevy Amiran<sup>1</sup>, Edi Vaisbuch<sup>1,4</sup>, Yuval Or<sup>1,4</sup></p> <p><sup>1</sup>Obstetrics and Gynecology department, Kaplan Medical Center, Rehovot, Israel, <sup>2</sup>Clalit health services, North district, <sup>3</sup>Assuta Hospital, Ramat Hahayal, Tel Aviv, Israel, <sup>4</sup>The Faculty of Medicine, Hebrew University of Jerusalem, Jerusalem, Israel</p>	<p><a href="#">LETROZOLE OR TAMOXIFEN CO-ADMINISTRATION DURING CONTROLLED OVARIAN STIMULATION FOR FERTILITY PRESERVATION IN BREAST CANCER PATIENTS: A RETROSPECTIVE COHORT STUDY.</a></p> <p>Dror Lifshitz, Avi Ben-Haroush, Dror Meirou, Raoul Orvieto, Dana Vaturi Meirman, Loren Elbaz, Yoel Shufaro, Avital Wertheimer.</p> <p>Fertility Preservation, IVF Unit, Sheba Medical Center, Tel Hashomer.</p> <p>Fertility and IVF unit, Helen Schneider Hospital for Women, Rabin Medical Center, Petah Tikva.</p> <p>Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv, Israel.</p>
15:35-15:50	<p><a href="#">ARTIFICIAL INTELLIGENCE IN THE SERVICE OF INTRA UTERINE INSEMINATION AND TIMED INTERCOURSE IN SPONTANEOUS CYCLES</a></p> <p>Michal Youngster<sup>1</sup>, Almog Luz<sup>4</sup>, Micha Baum<sup>2,3</sup>, Rohi Hourvitz<sup>4</sup>, Shachar Reuvenny<sup>4</sup>, Ettie Maman<sup>2,3</sup>, Ariel Hourvitz<sup>1,3</sup></p> <p><sup>1</sup>IVF Unit, Shamir Medical Center, Zerifin, Israel <sup>2</sup>IVF Unit, Sheba Medical Center, Ramat-Gan, Israel <sup>3</sup>IVF Unit, Herzlia Medical Center, Herzliya, Israel <sup>4</sup>FertilAI, Ramat-Gan, Israel</p>	<p><a href="#">FERTILITY TREATMENT CHALLENGES FOR ENDOMETRIOSIS PATIENTS: INSIGHTS FROM COMPREHENSIVE DATA ANALYSIS</a></p> <p>Bat El Frankel; Aya Wertheimer; Shir Shahar; Sharon Livneh; Noam Schuman Harel; Dana Lassri</p> <p>Endometriosis-Israel<sup>1</sup> Association Ramat-Gan/Israel</p>	<p><a href="#">IMPROVING EARLY EMBRYO MORPHOKINETICS IN IVF: IMPACT OF SHORT OOCYTE-SPERMATOZOA EXPOSURE</a></p> <p>Katreena yamin<sup>1</sup>, Rivi Levy<sup>1</sup>, Reham Eneam<sup>1</sup>, Hadil Samara<sup>1</sup>, Anna Ermoshkin<sup>1</sup>, Hanna Labay<sup>1</sup>, Yasmeen Jramne<sup>1</sup>, Firas Zbidat<sup>1</sup>, Shira Baram<sup>1</sup>, Ido Izhaki<sup>2</sup>, Ronit Beck-Fruchtera<sup>3</sup></p> <p><sup>1</sup>Department of Obstetrics and Gynecology, Emek Medical Center, Afula, Israel <sup>2</sup>Department of Evolutionary and Environmental Biology, University of Haifa <sup>3</sup>Rappaport Faculty of Medicine, Technion-Israel Institute of Technology, Haifa, Israel</p>	<p><a href="#">EFFECT OF OVARIAN STIMULATION AND TRIGGER PROTOCOLS ON OOCYTE AND EMBRYO NUMBERS</a></p> <p>Shmuel Somer<sup>1</sup>, Simon Nothman<sup>2</sup>, Shira Baram<sup>2</sup>, Ido Izhaki<sup>3</sup>, Nitzan Dana Sela<sup>2</sup>, Ronit Beck-Fruchter<sup>1,2</sup></p> <p><sup>1</sup>Rappaport Faculty of Medicine Technion Institute of Technology <sup>2</sup>Haemek Medical Center, Department of Obstetrics and Gynecology <sup>3</sup>Department of Evolutionary and Environmental Biology, University of Haifa</p>
15:50-16:05	<p><a href="#">OPTIMIZING WORKLOAD BY BALANCING ANTAGONIST PROTOCOL RETRIEVALS USING ARTIFICIAL INTELLIGENCE ALGORITHM FOR ANTAGONIST TRIGGER DAY DECISION</a></p> <p>Rohi Hourvitz<sup>1</sup>, Shachar Reuvenny<sup>1</sup>, Dr. Michal Youngster<sup>2</sup>, Almog Luz<sup>1</sup>, Eden Moran<sup>1</sup>, Dr. Ettie Maman<sup>3</sup>, Dr. Micha Baum<sup>3</sup>, Prof. Ariel Hourvitz<sup>2</sup></p> <p><sup>1</sup>FertilAI, <sup>2</sup>Shamir Medical Center, <sup>3</sup>Herzliya Medical center</p>	<p><a href="#">IS THERE AN ASSOCIATION BETWEEN THE OCTOBER 7TH EVENTS AND IVF OUTCOMES?</a></p> <p>Einav Kadour-Peero, Chen Shkolnik, Janan Jadon, Rabea Bahous, Yael Gonen, Michal Silberman, Ilan Calderon, Hadar Avraham, Samer Khoury</p> <p>Department of Obstetrics and Gynecology, Division of Reproductive Endocrinology and Infertility, Bnai Zion Medical Center, Haifa, Israel.</p> <p>Faculty of Medicine, Technion - Israel Institute of Technology, Haifa, Israel</p>	<p>PROTEIN CONDENSATION BY LNCRNAS ENABLES OOCYTE DIFFERENTIATION</p> <p>Yonatan Tzur<sup>1</sup>, Roni Falek; Hanna Achache;</p> <p><sup>1</sup>Department of Genetics. The Hebrew University of Jerusalem, Jerusalem, Israel</p>	<p><a href="#">CLINICAL PARAMETERS THAT PREDICT A PREMATURE LH RISE IN PATIENTS UNDERGOING OVARIAN STIMULATION FOR IVF</a></p> <p>Maya Nasatzky; Yoni Belicha; Ofer Fainaru;</p> <p>IVF Unit, Rambam Medical Center.</p>
16:05-16:20	<p><a href="#">CAN PATIENT SELF SCANS USING A HOME VAGINAL ULTRASOUND DEVICE BE USED TO MONITOR THE OVARIAN STIMULATION IN ART?</a></p> <p>Yoel Shufaro<sup>1</sup></p> <p><sup>1</sup>Infertility and IVF Unit, Beilinson Hospital- Rabin Medical Center- and the Faculty of Medicine- Tel-Aviv University.</p>	<p><a href="#">UNRAVELING THE LINK BETWEEN BACTERIAL VAGINOSIS AND INFERTILITY: INSIGHTS AND INTERVENTIONS FROM A HUMAN CERVIX CHIP MODEL</a></p> <p>Ola Gutzeit<sup>1</sup>, Mckenzie Collins; Zohreh Izadifar; Aakanksha Gulati; Anna Stejskalova; Donald Ingber;</p> <p><sup>1</sup>Wyss Institute for Biologically Inspired Engineering at Harvard University, Boston, MA 02215, USAIVF Unit Rambam Medical Center, Haifa, Israel</p>	<p>EVALUATING THE IMPACT OF OBESITY ON OOCYTE QUALITY</p> <p>Emiliya Sigal<sup>1,2</sup> Einat Shalom Paz; Maya Shavit; Mediea Michaeli; Nechami Rothfarb; Diana Poltov</p> <p><sup>1</sup> IVF Unit, Department of Obstetrics and Gynecology, Hillel-Yaffe Medical Center, Hadera, Israel. <sup>2</sup>Ruth and Bruce Rappaport School of Medicine, Technion-Israel Institute of Technology, Haifa, Israel.</p>	<p><a href="#">OUTCOME OF VITRIFIED VERSUS FRESH OOCYTES IN MICRO TESTICULAR SPERM EXTRACTION PROCEDURES</a></p> <p>Noga Nattiv, Dana Livne, Mattan Levi, Jordana Mashiach Friedler, Roni Rahav Koren, Einat Haikin Herzberger, Amir Wisner</p> <p>IVF unit, Meir Medical Center, Kfar Saba</p>

16:20-17:20 Session 6: Oral presentations				
	Hall A: AI 2	Hall B: ART 5	Hall C: ART 6	Hall D: ART 7
	Chairs: Ariel Hourvitz, Ettie Maman	Chairs: Benjamin Reubinoff, Tal Shavit, Amir Wisner	Chairs: Itai Gat, Amir Weintraub, Yoel Shufaro	Chairs: Shevach Friedler, Zofnat Wiener, Jacob Farhi
16:20-16:35	<p><a href="#">AN ARTIFICIAL INTELLIGENCE (AI) PLOIDY SCREENING TEST CAN PROVIDE REAL-TIME, RELIABLE, NON-INVASIVE AND BIOLOGICALLY-JUSTIFIED ESTIMATES OF EMBRYO EUPLOIDY.</a></p> <p>Daniel Seidman<sup>1</sup>, Yishay Tauber<sup>1</sup>, Itamar Sayegh<sup>1</sup>, Maya Shapiro<sup>1</sup>, Daniella Gilboa<sup>1</sup></p> <p><sup>1</sup>AIVF, Research and Development, Tel Aviv, Israel. <sup>2</sup>Sackler School of Medicine, Tel Aviv University, Tel Aviv, Israel.</p>	<p><a href="#">VIRTUAL REALITY (VR)-BASED INTERVENTION TO IMPROVE PRE-OPERATIVE ANXIETY IN PATIENTS UNDERGOING ELECTIVE OOCYTE CRYOPRESERVATION: A RANDOMIZED CLINICAL TRIAL</a></p> <p>Y.S. Suissa-Cohen, R. Frenkel, L. Nevo, H. Allouche Kam, Y. Bentov, M. Godin, E. Esh Broder, R. Hizkiyahu, C. Adler Lazarovits, O. Baharier, A. Hershko Klement.<sup>1</sup></p> <p><sup>1</sup>Hadassah Mount Scopus, Obstetrics and gynecology, Jerusalem, Israel.</p>	<p><a href="#">THE PRESENCE OF EARLY FOLLICULAR CLEAR OVARIAN CYSTS IS ASSOCIATED WITH LOWER CLINICAL PREGNANCY RATE IN FROZEN-THAWED EMBRYO TRANSFER (FET) CYCLES.</a></p> <p>Omer Edgar, Avital Wertheimer, Onit Sapir, Eran Altman, Tzippora Shochat, Avi Ben-Haroush, Yoel Shufaro. Helen Schneider Hospital for Women, Rabin Medical Center and Faculty of Medicine, Tel-Aviv University, Israel.</p>	<p><a href="#">FERTILITY PRESERVATION (FP) POST CHEMOTHERAPY IN YOUNG CANCER SURVIVORS-IS IT TOO LITTLE TOO LATE?</a></p> <p>Moran Shapira<sup>1</sup>, Ravit Nachum<sup>1</sup>, Miriam Safrai<sup>1</sup>, Leyla Levy<sup>1</sup>, Adva Aizer<sup>2</sup>, Raoul Orvieto<sup>1</sup>, Dror Meirow<sup>1</sup></p> <p><sup>1</sup>IVF unit, Sheba medical center, Israel</p>
16:35-16:50	<p><a href="#">AN INTERPRETABLE ARTIFICIAL INTELLIGENCE (AI) MODEL ACCURATELY PREDICTS THE NUMBER OF MATURE OOCYTES RETRIEVED DURING CONTROLLED OVARIAN HYPERSTIMULATION (COH)</a></p> <p>Or Shafran<sup>1,3</sup>, Ofek Gottlieb<sup>1,3</sup>, Alona Levy-Jurgenson<sup>3</sup>, Ofer Fainaru<sup>1,2</sup></p> <p><sup>1</sup>IVF Unit, Rambam Medical Center; <sup>2</sup>Rappaport Faculty of Medicine, and <sup>3</sup>Department of Computer Science, both at Technion, Israel Institute of Technology, Haifa, Israel;</p>	<p><a href="#">THE IMPACT OF TRAINED VS. UNTRAINED ULTRASOUND OPERATORS ON CLINICAL PREGNANCY RATE FOLLOWING EMBRYO TRANSFER (ET): A RETROSPECTIVE COHORT STUDY</a></p> <p>Bezalel Michal<sup>1</sup>, Hizkiyahu Ranit<sup>2</sup>, Esh-Broder Efrat<sup>2</sup>, Bentov Yaakov<sup>2</sup>, Godin Miri<sup>2</sup>, Adler Lazarovits Chana<sup>2</sup>, Weizel Ilana<sup>2</sup>, Hershko Klement Anat<sup>2</sup></p> <p><sup>1</sup>Faculty of Medicine, Hebrew University of Jerusalem, Israel, Department of Obstetrics and Gynecology <sup>2</sup>The IVF Unit, Department of Obstetrics and Gynecology, Hadassah Mount Scopus – Hebrew University Medical Center, Jerusalem, Israel</p>	<p><a href="#">IS MAXIMALIZATION OF THE OVUM PICK-UP PROCEDURE IN RELATION TO SONOGRAPHIC ANTRAL FOLLICLE COUNT ASSESSMENT BENEFICIAL FOR THE OUTCOME OF ASSISTED REPRODUCTIVE TECHNOLOGY CYCLES?</a></p> <p>Shir Danieli-Gruber; Onit Sapir; Dan Netanel; Avital Wertheimer; Avi Ben-Haroush; Eran Altman; Tzippy Shochat; Yoel Shufaro Helen Schneider Hospital for Women, Rabin Medical Center – Beilinson Hospital, Petach Tikva, affiliated to the Faculty of Medicine, Tel Aviv University, Tel Aviv, Israel.</p>	<p><a href="#">HYPOTHALAMIC-PITUITARY-GONADAL FUNCTION PUBERTAL DEVELOPMENT AND FERTILITY OUTCOMES IN MALE AND FEMALE MEDULLOBLASTOMA SURVIVORS: A SINGLE CENTRE EXPERIENCE</a></p> <p>Eve Stern<sup>1,2</sup>, Michal Ben-Ami<sup>1,2</sup>, Noah Gruber<sup>1,2</sup>, Amos Toren<sup>2,3</sup>, Shani Caspi<sup>2,3</sup>, Gadi Abebe-Campino<sup>2,3</sup>, Michal Yalon<sup>2,3</sup>, Dalit Modan-Moses<sup>1</sup></p> <p><sup>1</sup> Pediatric Endocrinology and Diabetes Unit, The Edmond and Lily Safra Children's Hospital, Sheba Medical Center, Ramat-Gan, Israel. <sup>2</sup> Faculty of Medicine, Tel Aviv University, Tel Aviv, Israel. <sup>3</sup> Division of Pediatric Hematology-Oncology, The Edmond and Lily Safra Children's Hospital, Sheba Medical Center, Ramat-Gan, Israel</p>
16:50-17:05	<p><a href="#">ENHANCING INTERPRETABILITY OF ARTIFICIAL INTELLIGENCE (AI) MODELS IN IVF BY INTEGRATING EXPERT KNOWLEDGE</a></p> <p>Ofek Gottlieb<sup>1,3</sup>, Or Shafran<sup>1,3</sup>, Alona Levy-Jurgenson<sup>3</sup>, Ofer Fainaru<sup>1,2</sup></p> <p><sup>1</sup>IVF Unit, Rambam Medical Center; <sup>2</sup>Rappaport Faculty of Medicine, and <sup>3</sup>Department of Computer Science, both at Technion, Israel Institute of Technology, Haifa, Israel;</p>	<p><a href="#">THE EFFECT OF LAG TIME FROM GnRH AGONIST TRIGGERING TO OOCYTE ASPIRATION ON FERTILITY PRESERVATION CYCLE'S OUTCOME</a></p> <p>Lilach Marom Haham<sup>1</sup>, Adva Aizer, Ronny Ram<sup>2</sup>, Orian Gordon<sup>2</sup>, Jigal Haas<sup>1,2</sup>, Oshrit Lebovitz<sup>1,2</sup>, Eran Zilberberg<sup>1</sup>, Ravit Nahum<sup>1,2</sup>, Raoul Orvieto<sup>1,2,3</sup></p> <p><sup>1</sup>IVF (In Vitro Fertilization) Unit, Chaim Sheba Medical Center, Ramat Gan, Israel. <sup>2</sup>Sackler Faculty of Medicine, Tel-Aviv University, Israel. <sup>3</sup>The Tarnesby-Tarnowski Chair for Family Planning and Fertility Regulation, Sackler Faculty of Medicine, Tel-Aviv University, Israel.</p>	<p><a href="#">PREVALENCE OF CONGENITAL ANOMALIES IN INFANTS CONCEIVED AFTER LETROZOLE COMPARED WITH CLOMIPHENE CITRATE TREATMENT</a></p> <p>Yara Naser<sup>1</sup>, David Kulak<sup>1,2</sup>; Tehila Isaacs<sup>1,2</sup>; Yael Pasternak<sup>1,2</sup>; Ariel Israel<sup>3</sup>; Amir Weintraub<sup>1,2</sup></p> <p><sup>1</sup>Adelson school of medicine, Ariel University, Ariel, Israel <sup>2</sup>Laniado medical center, IVF unit- Dep. of OBGYN, Netanya, Israel. <sup>3</sup>Leumit Research Institute, Leumit Health Services, Tel-Aviv, Israel</p>	<p><a href="#">REVERSING THE CANCER PHENOTYPE OF COLON ORGANOID'S BY CORRECTING THE HETEROZYGOSE APC MUTATION</a></p> <p>Aline Habib, Rose Mamistvalov, Dalit Ben-Yosef Stem Cell Research lab, Fertility &amp; IVF Institute; CORAL - Center Of Regeneration And Longevity Tel Aviv Sourasky Medical Center. Dept. of Cell and Developmental Biology; Sagol School of Neuroscience Tel Aviv University, Israel</p>
17:05-17:20	<p><a href="#">ARTIFICIAL INTELLIGENCE TECHNOLOGY AS A TOOL FOR DESELECTION OF DIRECT UNEVEN CLEAVAGE EMBRYOS</a></p> <p>Irit Szaingurten-Solodkin<sup>1</sup>, Noam Oberfersht Markanti<sup>1</sup>, Lital Estrella Weil Naim<sup>1</sup>, Tamar Wainstock<sup>2,3</sup>, Atif Zeadna<sup>1,3</sup>, Assaf Ben-Meir<sup>4,5</sup> and Iris Har-Vardi<sup>1,3,4</sup></p> <p><sup>1</sup>Fertility and IVF Unit, Dept. of OB/GYN, Soroka University Medical Center, Beer - Sheva, Israel. <sup>2</sup>School of Public Health, <sup>3</sup>Faculty of Health Sciences, Ben-Gurion University of the Negev, Beer-Sheva, Israel.<sup>4</sup>Fairtivity Ltd., Tel Aviv, Israel.<sup>5</sup>Fertility and IVF unit, Dept. of OB/GYN, Hadassah Medical Organization, Jerusalem, Israel.</p>	<p><a href="#">LOW OOCYTE MATURATION RATE DURING IN VITRO FERTILIZATION, HOW CAN WE IMPROVE IT?</a></p> <p>Roni Rahav Koren<sup>1</sup>, Judith Sitbon; Renana Izakson; Raud Qassim; Einat Haikin Herzberger; Netanella Miller; Amir Wisner;</p> <p><sup>1</sup>A IVF Unit, Department of Obstetrics and Gynecology, Meir Medical Center, Kfar Saba, Israel Faculty of Medical &amp; Health Sciences, Tel Aviv University, Tel Aviv, Israel</p>	<p><a href="#">THE IMPACT OF GONADOTROPIN DOSAGE ADAPTATIONS DURING SUCCESSIVE IN VITRO FERTILIZATION CYCLES FOR OOCYTES CRYOPRESERVATION</a></p> <p>Maya Nimrodi MD, Alon Kedem MD, Sarit Avraham MD, Michal Youngster MD, Gil Yerushalmi MD, Ariel Hourvitz MD, Itai Gat MD IVF unit, Department of Obstetrics and Gynecology, Shamir medical center, Zerifin, Israel.</p>	<p><a href="#">REASSESSING PRIMARY OVARIAN INSUFFICIENCY WORKUP GUIDELINES: A CALL FOR CHANGE</a></p> <p>Noah Gruber<sup>1,2</sup>, Hila Raanani<sup>3</sup>, Hagit Shani<sup>2,4</sup>, Meirav Segev<sup>2,3,4</sup>, Ortal Barel<sup>2,5</sup>, Rotem Mizrahi Sapir<sup>1,2</sup>, Dror Meirow<sup>2,3</sup>, Ariel Hourvitz<sup>2,6</sup>, Orit Pinhas-Hamiel<sup>1,2</sup>, Alon Kedem<sup>2,6</sup></p> <p><sup>1</sup>Pediatric Endocrine and Diabetes Unit, Edmond and Lily Safra Children's Hospital, Sheba Medical Center, Tel-Hashomer, Ramat Gan, Israel <sup>2</sup>School of Medicine, Tel Aviv University, Israel <sup>3</sup>Fertility Preservation Center, Department of Obstetrics and Gynecology, Sheba Medical Center, Tel-Hashomer, Ramat Gan, Israel <sup>4</sup>Clinical Genetics, Obstetrics &amp; Gynecology, The Danek Gertner Institute of Human Genetics, Sheba Medical Center, Tel-Hashomer, Ramat Gan, Israel <sup>5</sup>Genomics Unit, Sheba Cancer Research Center, Sheba Medical Center, Tel-Hashomer, Ramat Gan, Israel <sup>6</sup>IVF Unit, Shamir Medical Center (Assaf-Harofeh), Israel</p>