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Fertility 2024
Rethinking Reproduction
10th–13th January 2024, Edinburgh
The joint conference of the Association of Reproductive & Clinical Scientists,
British Fertility Society, and the Society for Reproduction & Fertility

SHORT PAPER PRESENTATIONS

SRFPD SRF PHD PRIZE SESSION

SRFPD.1 (25) Fructose transporter disruption perturbs spermatogenesis and steroidogenesis in mice

Aikaterini Kallianioti¹, Claire Chevalere¹, Christelle Ramé¹, Guillaume Bourdon¹, Jeremy Grandhay¹, Christine Longin², Soulaïmane Aboulouard³, Eli Sellem⁴, Véronique Douard⁵, Pascal Froment¹¹INRAE, Nouzilly, France.² ISC MIMA2 INRAE, Jouy-en-Josas, France.³ Laboratoire PRISM U1192 Inserm, University of Lille, Lille, France. ⁴ALLICE, Paris, France. ⁵Food Microbial Ecology Lab - Micalis, Jouy-en-Josas, France

SRFPD.2 (88) Cas9-based chromosome labelling reveals large-scale age-dependent centromere reorganisation in human eggs

Aleksandra Byrska^{1,2}, Cerys Currie^{1,2}, Deborah Taylor³, Alessio Inchingolo^{1,2}, Muriel Erent^{1,2}, Geraldine Hartshorne^{1,3}, Andrew McAinsh^{1,2}

¹Division of Biomedical Sciences, Warwick Medical School, University of Warwick, Coventry, United Kingdom. ²Centre for Mechanochemical Cell Biology, University of Warwick, Coventry, United Kingdom. ³University Hospitals Coventry and Warwickshire NHS Trust, Coventry, United Kingdom

SRFPD.3 (118) Precise quantification of DNA in spent culture media and its correlation to embryonic ploidy status

Munuse C Savash Ishanzadeh¹, Marcos Meseguer Escrivá², Carla Giménez Rodríguez², Dagan Wells³

¹Oxford University, Nuffield Department of Women's and Reproductive Health, Oxford, United Kingdom. ²IVF Laboratory, IVI-RMA, Valencia, Spain. ³Juno Genetics, Oxford, United Kingdom

SRFPD.4 (147) The role of SIRT7 in male meiosis and reproductive aging

Anna Guitart-Solanes¹, Mayra Romero², Christopher B Geyer³, Karen Schindler², Alejandro Vaquero¹, Berta N Vazquez^{1,4}

¹Chromatin Biology Laboratory, Josep Carreras Leukaemia Research Institute, Badalona, Spain. ²Department of Genetics, Rutgers University, Piscataway, NJ, USA. ³Department of Anatomy and Cell Biology, Brody School of Medicine, East Carolina University, Greenville, NC, USA. ⁴Department of Cell Biology, Physiology, and Immunology, Universitat Autònoma de Barcelona, Cerdanyola del Vallès, Spain


SRFPD.5 (215) Characterizing the G-protein activities of the membrane Androgen Receptor, ZIP9

Rui Wang, Ruijuan Xu, Sumetha Sureshkumar, Kim Jonas, Christer Hogstrand
King's College London, London, United Kingdom

SRFPD.6 (352) Investigating the enzymatic activity of endometrial DPPIV at implantation using prescribed inhibitors in an *in-vitro* co-culture model

Nathan J Parks, Stéphane Berneau

University of Central Lancashire, Preston, United Kingdom

 Supplemental data for this article can be accessed online at <https://doi.org/10.1080/14647273.2024.2340788>.

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SP1A ANDROLOGY SHORT PAPERS INCLUDING IWAN LEWIS-JONES PRIZE**SP1A.1 (207) Development of a novel medium-throughput screening assay to identify human sperm capable of initiating oocyte activation at fertilisation***Cara Nicholson^{1,2}, Sarah Martins da Silva^{1,3}*¹University of Dundee, Dundee, United Kingdom. ²Edinburgh Fertility Centre, Edinburgh, United Kingdom. ³Assisted Conception Unit, Dundee, United Kingdom**SP1A.2 (287) Exploring emotional and nutritional support in UK fertility clinics: A comprehensive analysis***Maria Banti, Ahmed Amer**MyFertility, London, United Kingdom***SP1A.3 (307) The impact of introducing four-part sperm morphology scoring to a diagnostic Andrology service***George Southall-Brown¹, Meurig Gallagher², Jackson Kirkman-Brown^{1,2}*¹Birmingham Women's Hospital, Birmingham, United Kingdom. ²University of Birmingham, Birmingham, United Kingdom**SP1A.4 (293) Recovery and Survival Results in optimised sperm Cryopreservation: Resurrection***Marta Starosta, Hannah Newby, Rachel Gregoire**Hewitt Fertility Centre, Liverpool, United Kingdom***SP1A.5 (248) Case study: Necrozoospermia (Management from diagnosis to healthy birth)***Zivile Roche, Jon Taylor, Awatuf Elshirif**Guy's Hospital, London, United Kingdom***SP1A.6 (266) Donor intrauterine insemination: How much sperm is enough?***Alejandro Fernandez Ponce¹, Hannah Newby², Rachel Gregoire¹*¹Hewitt Fertility Centre, Liverpool, United Kingdom. ²Hewitt Fertility Centre, Knutsford, United Kingdom**SP1B BFS EARLY CAREER CLINICIAN SHORT PAPERS****SP1B.1 (21) Endometrial compaction to predict pregnancy outcomes in patients undergoing assisted reproductive technologies: a systematic review and meta-analysis***Hannan Al-Lamee^{1,2}, Katie Stone¹, Simon Powell¹, James Wyatt¹, Andrew Drakeley^{2,3}, Dharani Hapangama^{1,3}, Nicola Tempest^{1,2,3}*¹University of Liverpool, Liverpool, United Kingdom. ²Hewitt Fertility Centre, Liverpool, United Kingdom. ³Liverpool Women's NHS Foundation Trust, Liverpool, United Kingdom**SP1B.2 (116) Quantitative analysis of uterine peristalsis using optical flow for motion quantification in women with adenomyosis: inter- and intraobserver reproducibility study***Sania Latif^{1,2}, Shaheer Saeed^{1,3}, Ertan Saridogan^{1,2}, Lucrezia de Braud^{1,2}, Yipeng Hu², Dimitrios Mavrelos^{1,2}*¹University College London Hospital, London, United Kingdom. ²University College London, London, United Kingdom.³Wellcome/EPSCRC Centre for Interventional & Surgical Sciences, London, United Kingdom**SP1B.3 (153) The effect of consecutive single embryo transfer on live birth rate and morbidity: results from UK HFEA registry***Jack Tighe^{1,2}, Sophie Broughton^{1,3}, Lorraine S Kasaven¹, Rachel Cutting⁴, Elliot Bridges⁴, Abigail Ng⁴, Amanda Evans⁴, Efsthios Theodorou⁵, Jara Ben Nagi⁵, Benjamin P Jones^{1,2}*¹Department of Gynaecology, Hammersmith Hospital, London, United Kingdom. ²Imperial College London, London, United Kingdom. ³University of Birmingham Medical School, Birmingham, United Kingdom. ⁴Human Fertility and Embryology Authority (HFEA), London, United Kingdom. ⁵Centre for Reproductive and Genetic Health, Great Portland Street, London, United Kingdom**SP1B.4 (253) Laparoscopic oocyte retrievals: a single centre experience***Andrew Downey¹, Sarah Petch¹, Maebh Horan^{1,2}, Fiona Martyn^{1,2}, Cathy Allen^{1,2,3}, David Crosby^{1,2,3}*¹Merrion Fertility Clinic, Dublin, Ireland. ²National Maternity Hospital, Dublin, Ireland. ³University College Dublin, Dublin, Ireland**SP1B.5 (284) How common is natural conception in women who have had a livebirth via ART?***Annette Thwaites, Jennifer Hall, Geraldine Barrett, Judith Stephenson**University College London, London, United Kingdom*

SP1B.6 (364) Drug discovery for male infertility using phenotypic screening

Adrian Khaw¹, Zoe Johnston¹, Rachel Myles², Anthony Richardson³, Franz Gruber^{1,3}, Jason Swedlow³, Chris Barratt¹, Sarah Martins da Silva^{1,2}

¹Reproductive Medicine Research Group, University of Dundee, Dundee, United Kingdom. ²Ninewells Assisted Conception Unit, Dundee, United Kingdom. ³National Phenotypic screening centre, School of life sciences, university of Dundee, Dundee, United Kingdom

SP1C NURSING AND PSYCHOSOCIAL INCLUDING BFS NURSE PRIZE**SP1C.1 (38) Rethinking fertility testing across the EU with at-home test kits**

Andreia Trigo¹, Beatriz Trigo²

¹Enhanced Fertility, London, United Kingdom. ²Enhanced Fertility, Lisbon, Portugal

SP1C.2 (35) Exploring the potential of generative artificial intelligence in fertility clinics: A comparative study of ChatGPT-4 and clinical recommendations for initial follicle-stimulating hormone dosing in In vitro fertilisation

Julie Morgan, Mohamed Taranissi

Assisted Reproduction & Gynaecology Centre, London, United Kingdom

SP1C.3 (183) Tailoring fertility awareness messages: a strategic approach for effective reproductive health education

Bola Grace

UCL EGA Institute for Women's Health, London, United Kingdom

SP1C.4 (218) Chorionic bump in the first trimester – is it a poor prognosticator for pregnancy outcome?

Jo Martin, Megan Newbery, Tom Bamford

CARE Fertility, Manchester, United Kingdom

SP1C.5 (134) The role of inclusive innovation in the development of digital reproductive health tools

Bola Grace

University College London, London, United Kingdom. Cambridge Matrix, Cambridge, United Kingdom

SP1C.6 (329) Women's perceptions and experiences of social egg freezing for circumventing age-related fertility decline

Victoria Powell

The Agora Fertility Clinic, Brighton & Hove, United Kingdom

SP1D ARCS PRE-REG SHORT PAPERS JEAN PURDY PRIZE**SPD1.1 (221) Observation of unidentified 'Glew Bodies' in blastocysts and their effects on pregnancy rates**

Eleanor Bates, Nicola Townsend, Alicia Barker, Katie Finch

TFP, Simply Fertility, Chelmsford, United Kingdom

SPD1.2 (224) Do euploidy rates and pregnancy outcomes differ in embryos biopsied for PGT-A on Day 5 (D5) compared to Day 6 (D6)?

Nikki Elliott

Thames Valley Fertility, Maidenhead, United Kingdom

SPD1.3 (250) A sprint to the line or a long-distance run? Embryo selection in PGT-M and PGT-SR FET cycles

Zivile Roche¹, Aida Kaffel¹, Jon Taylor¹, Alison Jones¹, Michael Carroll²

¹Guy's Hospital, London, United Kingdom. ²Manchester Metropolitan University, MANCHESTER, United Kingdom

SPD1.4 (262) A comparative study of the outcomes of patients using fresh versus frozen oocytes in different age groups (≥ 38 and < 38)

Eleanor Gallegos¹, Patricia Fadon¹, Cesar Diaz-Garcia^{1,2}, Lourdes Muriel¹

¹IVI London, London, United Kingdom. ²UCL, London, United Kingdom

SPD1.5 (330) Can morphokinetics at the preimplantation stage be used to identify embryos that will later develop congenital heart disease?

Sophie Markham¹, Giles Watts¹, Alison Campbell², Iain Dykes¹, Sue Montgomery³

¹Liverpool John Moore's University, Liverpool, United Kingdom. ²Care Fertility, Nottingham, United Kingdom. ³Care Fertility, Manchester, United Kingdom

SPD1.6 (334) Comparison of pregnancy rates between euploid embryos following PGT- A on day 5 and day 6

Lambrini Kourouniadou, Catherine Beaton

Glasgow Royal Infirmary, Glasgow, United Kingdom

SP1E SRF POST-DOCTORAL PRIZE SESSION

SP1E.1 (19) FOXL2 interaction with different binding partners regulates the dynamics of granulosa cell differentiation across ovarian development

Roberta Migale, Michelle Neumann, Richard Mitter, Mahmoud-Reza Rafiee, Sophie Wood, Jessica Olsen, Robin Lovell-Badge

The Francis Crick Institute, London, United Kingdom

SP1E.2 (114) Ccr2-mediated monocyte recruitment is required for non-fibrotic endometrial repair during experimentally induced menstruation

Phoebe Kirkwood, Calum Bain, Julia Li, Rebecca Ainslie, Douglas Gibson

University of Edinburgh, Edinburgh, United Kingdom

SP1E.3 (190) Inbreeding is associated with spontaneous abortion and stillbirth in horses

J M Lawson¹, C A Shilton¹, A M de Mestre²

¹Royal Veterinary College, London, United Kingdom. ²Cornell University, Ithaca, USA

SP1E.4 (202) Limitations of genome editing (GE) assessments in human preimplantation embryos subjected to CRISPR-Cas9 – most loss of heterozygosity (LOH) events at the targeted sites are a consequence of aberrant DNA repair

Nada Kubikova¹, Munuse Savash¹, Marga Esbert², Jack Fagan¹, Shiny Titus³, Richard Scott⁴, Dagan Wells^{1,5}

¹University of Oxford, Oxford, United Kingdom. ²IVI RMA, Barcelona, Spain. ³FEC Labs, New Jersey, USA. ⁴IVI RMA, New Jersey, USA. ⁵Juno Genetics, Oxford, United Kingdom

SP1E.5 (316) Luteinising hormone receptor signalling is reliant on formation of distinct multi-receptor complexes

Abigail Walker¹, Thomas Hopkins², Lesley Howell³, Zara Farooq³, Peter McCormick³, Kim Jonas², Aylin Hanyaloglu¹

¹Imperial College London, London, United Kingdom. ²King's College London, London, United Kingdom. ³Queen Mary University of London, London, United Kingdom

SP1E.6 (335) Compounds modulating human sperm hyperactivation identified using a high-throughput phenotypic screening platform

Shruti Kane¹, Zoe Johnston², Franz Gruber¹, Rachel Myles², Anthony Richardson³, David Day³, Caroline Wilson³, Kevin Read³, Sarah Martins da Silva², Christopher Barratt², Jason Swedlow¹

¹National Phenotypic Screening Centre, School of Life Sciences, University of Dundee, Dundee, United Kingdom.

²Reproductive Medicine Research Group, Division of Systems Medicine, School of Medicine, Ninewells Hospital and Medical School, University of Dundee, Dundee, United Kingdom. ³Drug Discovery Unit, Division of Biological Chemistry and Drug Discover, Wellcome Centre for Anti-Infectives Research, University of Dundee, Dundee, United Kingdom

SP2A BFS YOUNG SCIENTIST SHORT PAPERS

SP2A.1 (83) Interrogating sex discrepancies in embryo selection algorithms: an extensive assessment of Morphokinetic parameters and algorithmic fairness

Teodora Popa¹, Chloe He¹, Matthew Lau¹, Christian Ottolini², Helen O'Neill¹

¹UCL (University College London), London, United Kingdom. ²The Evewell, London, United Kingdom

SP2A.2 (167) Investigating the accuracy of mosaic error detection and the possibility of mosaicism misclassification by current NGS-based PGT-A technologies

Teodora Popa¹, Emma Whitney², Evangelina Bakosi³, Colin Davies², Helen O'Neill¹, Christian Ottolini²

¹UCL (University College London), London, United Kingdom. ²The Evewell, London, United Kingdom. ³Cooper Surgical, London, United Kingdom

SP2A.5 (276) Diagnoses of autosomal recessive conditions in donor-conceived offspring in the context of carrier screening practices: A collaboration between three large U.S. sperm banks

Lauren Isley¹, Katherine Hornberger², Suzanne Seitz³, Baldwin Kara⁴, Kathryn Lockwood⁴, Rawan Awwad⁵, Colleen Lynch⁶

¹CooperSurgical, Trumbull, USA. ²Seattle Sperm Bank, Seattle, USA. ³Fairfax Cryobank, Fairfax, USA. ⁴CooperSurgical, Los Angeles, USA. ⁵Fairfax Eggbank, Fairfax, USA. ⁶CooperSurgical, London, USA

SP2B INSIGHTS IN EMBRYOLOGY

SP2B.1 (267) An AI-based tool accurately predicts the chance of reaching the embryo transfer stage in older patients

Lucie Borovičková, Nabil Aziz, Martin Krutský

Leef - Cognitive IVF, Prague, Czech Republic

SP2B.2 (328) Pregnancy outcomes of embryos diagnosed as putative mosaic (PM) using preimplantation genetic testing for aneuploidy (PGT-A): results from a multi-site, blinded, non-selection study involving 9,828 single embryo transfers (sETs)

Dhruvi Babariya¹, Pavan Gill², Xin Tao³, Yiping Zhan³, Marie Werner², Chaim Jalas³, Antonio Capalbo⁴

¹Juno Genetics, UK, Oxford, United Kingdom. ²IVIRMA, New Jersey, USA. ³Juno Genetics, USA, New Jersey, USA. ⁴Juno Genetics, Italy, Rome, Italy

SP2B.3 (105) Clinical outcomes of autologous oocyte thaw cycles at a single UK centre: a 15-year report of 39,000 frozen oocytes

Jemma Garratt, Trina Shah, Anna McLaughlin, Nick Macklon, Balsam Al-Hashimi, Elena Linara-Demakakou, Kamal Ahuja

London Women's Clinic, London, United Kingdom

SP2B.4 (66) When is euploidy actually diploidy? Emerging Insights from Abnormal Fertilized Embryos

Balsam Al Hashimi^{1,2}, Elena Linara-Demakakou¹, Orla Green¹, Bhavna Raikundalia¹, Darren Griffin², Kamal Ahuja¹, Nick Mcklon¹

¹London Women's Clinic, London, United Kingdom. ²University of Kent, London, United Kingdom

SP2B.5 (182) Assessing the correlation between vaginal microbial composition and clinical outcomes in IVF patients: Are we analysing data correctly?

Courtney Povey¹, Elena Labarta Demur², Cristina Rodríguez-Varela³, Sandi Yen⁴, Jethro Johnson⁴, Dagan Wells^{1,5}, Antonio Capalbo⁶, Katharina Spath¹

¹Juno Genetics, Oxford, United Kingdom. ²IVI RMA, Valencia, Spain. ³IVI Foundation, Valencia, Spain. ⁴Oxford Centre of Microbiome Studies, Kennedy Institute of Rheumatology, University of Oxford, Oxford, United Kingdom. ⁵Nuffield Department of Women's and Reproductive Health, University of Oxford, Oxford, United Kingdom. ⁶Juno Genetics, Rome, Italy

SP2B.6 (122) Arginine methylation plays a critical role in bovine embryo development

Jinlong Qiu, Pedro Beltran-Alvarez, Roger Sturmey

Hull York Medical School, Hull, United Kingdom

SP2C ADVANCES IN OVARIAN PHYSIOLOGY AND RESPONSE

SP2C.1 (217) Isolation and characterisation of adult human ovarian mesenchymal stromal cells (oMSCs) and co-culture with ovarian cortical strips

Yvonne L Odey^{1,2}, Kay Samuel³, Emily Herzstein^{1,2}, Tara Doherty-Eagles^{1,2}, Martin Waterfall², Richard A Anderson⁴, Evelyn E Telfer^{1,2}

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SP2C.2 (228) The role of patient-specific factors on follicle distribution shape and its impact on the number of mature oocytes collected during stimulation

Victoria Vandy¹, Timothy Ferrand², Céline Jacques², Zuzanna Golebiewska³, Jonathan Koslover³, Chloe He⁴, Cristina Hickman⁴

¹Imperial College, London, United Kingdom. ²Apricity, Paris, France. ³Manchester Fertility, Manchester, United Kingdom. ⁴Apricity, London, United Kingdom

SP2C.3 (332) Improving fertility preservation cycles: a comparative study of efficacy and cost-effectiveness between progestin-primed and antagonist ovarian stimulation protocol

Christine Alabi, Yeliz Atik, Katrina Sherlock, Emily Vaughan, Neera Balachandren, Ephraim Yasmin
University College London Hospital, London, United Kingdom

SP2C.4 (87) Hypoxanthine improves oocyte growth and energy metabolism during *in vitro* growth of bovine secondary follicles

Kenichiro Sakaguchi^{1,2}, Laura Ball³, Vlastimil Srsen¹, Johanne Grosbois¹, Helen M Picton³, Evelyn E Telfer¹

¹Institute of Cell Biology, School of Biological Sciences, University of Edinburgh, Edinburgh, United Kingdom.

²Laboratory of Theriogenology, Faculty of Veterinary Medicine, Hokkaido University, Sapporo, Japan. ³Reproduction and Early Development Research Group, Leeds Institute of Cardiovascular and Metabolic Medicine, School of Medicine, University of Leeds, Leeds, United Kingdom

SP2C.5 (187) Can analysis of follicle-stimulating hormone receptor (FSHR) gene expression help predict response to ovarian stimulation in IVF cycles?

Zeynep Gunes¹, Dagan Wells^{1,2}

¹University of Oxford, Oxford, United Kingdom. ²Juno Genetics, Oxford, United Kingdom

SP2C.6 (117) The Effect Of Klotho Supplementation On Oocyte Quality In An Oxidative Stress Induced Model Of Sheep Oocyte Aging *In vitro*

Gorata Mmopiemang¹, Laura Hardie², Helen Picton¹

¹Reproduction and Early Development Research Group, Discovery and Translational Science Department, Leeds Institute of Cardiovascular and Metabolic Medicine, School of Medicine, University of Leeds, UK, Leeds, United Kingdom. ²Clinical and Population Science Department, Leeds Institute of Cardiovascular and Metabolic Medicine, School of Medicine, University of Leeds, UK, Leeds, United Kingdom

SP2D ARCS POST REG SHORT PAPERS**SP2D.1 (234) Should sperm motility be used as a cut-off to direct treatment type between conventional IVF and ICSI?**

Bethany Muller, Hannah Newby, Rachel Gregoire
Hewitt Fertility Centre, Liverpool, United Kingdom

SP2D.2 (236) Embryo ploidy status depending on day of biopsy

Patricia Fadon¹, Eleanor Gallegos¹, Cesar Diaz-Garcia^{1,2}, Lourdes Muriel¹

¹IVI London, London, United Kingdom. ²UCL, London, United Kingdom

SP2D.3 (258) Characterisation of positive expanded carrier screening results in a sperm donor population and relevance to evolving third party reproduction practices in the UK

Colleen Lynch¹, Lauren Isley², Kara Baldwin³

¹CooperSurgical, London, United Kingdom. ²CooperSurgical, Trumbull, USA. ³CooperSurgical, Los Angeles, USA

SP2D.4 (286) Perinatal outcome vs BMI following a frozen embryo transfer- a retrospective analysis

Aysha Bevan, Jo Craig, Jenny Watkins, Tim Child

TFP Oxford Fertility, Oxford, United Kingdom

SP2D.5 (327) Embryonic and laboratory factors influencing the implantation of euploid blastocysts after *in vitro* fertilization (IVF). An internal investigation and review of the literature

Anastasia Mania, Rachel Gibbons, Tugce Budak, Danielle King, Ippokratis Sarris

King's Fertility, London, United Kingdom

SP2E INFLUENCES ON SPERM QUALITY

SP2E.1 (98) Functionalisation of human embryonic kidney 293 T-cell-derived extracellular vesicles as a means of enhancing delivery towards boar sperm

Montserrat Vallet Buisan, Celine Jones, Rebecca Dragovic, Xin Meng, Errin Johnson, Kevin Coward
University of Oxford, Oxford, United Kingdom

SP2E.2 (308) Does age of sperm donors play a role in live birth and miscarriage rates of IVF/ICSI treatment? Analysis of 5515 fresh cycle from (HFEA) national database

Adrija Kumar Datta¹, Deepali Dhingra¹, Stuart Campbell², Geeta Nargund²
¹CREATE Fertility, Birmingham, United Kingdom. ²CREATE Fertility, London, United Kingdom

SP2E.3 (280) Super-charged sperm: Loss of two-pore channel 2 (TPC2) function in sperm leads to enhanced sperm motility, increased energy production by mitochondria, and enhanced fertilisation efficiency

Faroq Kamli, Ali Hanbashi, Xuhui Jin, John Parrington
University of Oxford, Oxford, United Kingdom

SP2E.4 (31) Investigating live human and boar sperm metabolism during capacitation using ¹³C Nuclear Magnetic Resonance

Evie Gruszyk¹, Allan Pacey^{1,2}, Steven Reynolds¹
¹University of Sheffield, Sheffield, United Kingdom. ²University of Manchester, Manchester, United Kingdom

SP2E.5 (44) Cimetidine as a fertility protectant against cisplatin-induced damage in mouse spermatogonia

Grace Forsyth, Peter Nagle, Rod Mitchell
University of Edinburgh, Edinburgh, United Kingdom

SP2E.6 (191) The mammalian sperm factor phospholipase C zeta (PLCζ) is critical for early embryo division and pregnancy in humans and mice

Junaid Kashir^{1,2}, Bhavesh Mistry², Mohamed Rajab², Lujain BuSaleh^{2,3}, Raed Abu-Dawud^{4,2}, Sarah Alharbi⁵, Michail Nomikos⁶, Saad AlHassan⁷, Serdar Coskun^{5,3}, Abdullah Assiri²
¹Department of Biology, Khalifa University, Abu Dhabi, UAE. ²Department of Comparative Medicine, King Faisal Specialist Hospital and Research Centre, Riyadh, Saudi Arabia. ³College of Medicine, Alfaisal University, Riyadh, Saudi Arabia. ⁴Institute for Molecular Medicine, MSH Medical School, Hamburg, Germany. ⁵Department of Pathology and Laboratory Medicine, King Faisal Specialist Hospital and Research Centre, Riyadh, Saudi Arabia. ⁶College of Medicine, QU Health, Qatar University, Doha, Qatar. ⁷Department of Obstetrics and Gynaecology, King Faisal Specialist Hospital and Research Centre, Riyadh, Saudi Arabia

SP3A THE ENDOCRINE ORCHESTRA IN FERTILITY

SP3A.1 (367) Understanding Leptin-induced ovarian dysfunction in obesity: validation of db/db ± mice as a model of maternal hyperleptinemia

Yashaswi Sharma¹, Karolina Wołodko¹, Elżbieta Laniecka¹, António M. Galvão^{1,2,3,4}
¹Institute of Animal Reproduction and Food Research of Polish Academy of Sciences, Olsztyn, Poland, Olsztyn, Poland. ²Epigenetics Programme, The Babraham Institute, Cambridge, CB22 3AT, UK, United Kingdom. ³Centre for Trophoblast Research, University of Cambridge, Cambridge, CB2 3EG, UK, United Kingdom. ⁴Royal Veterinary College, London NW1 0TU, UK, United Kingdom

SP3A.2 (13) Exploring uninterrupted corifollitropin alpha use in DuoStim cycles: A proof-of-concept study for improved efficiency and patient convenience in ovarian stimulation

Juan Castillo, Ana Fuentes, Jose Ortiz, Andrea Bernabeu, Rafael Bernabeu
Instituto Bernabeu, Alicante, Spain

SP3A.3 (220) Unravelling the enigma of luteinizing hormone receptor signalling dysregulation in polycystic ovary syndrome

Priyanka Anujan, Divreena Talwar, Lisa Owens, Rachel Richardson, Stephen Franks, Aylin Hanyaloglu
Imperial College London, London, United Kingdom

SP3A.4 (196) The effect of smoking and vaping on the thyroid hormone profile in women of reproductive age in the United Kingdom

Ruby Relton¹, Bríd Ní Dhonnabháin¹, Sofia Rodrigues Vaz¹, Tharni Vasavan¹, Natalie Getreu^{1,2}, Helen C. O'Neill^{1,2}

¹Hertfity Health, London, United Kingdom. ²Institute for Women's Health, University College London (UCL), London, United Kingdom

SP3B STRATEGIES FOR GONADAL PROTECTION

SP3B.1 (359) Ovarian transposition in children and young adults: a case series from a tertiary referral centre

Emily Vaughan^{1,2}, Sania Latif¹, Yeliz Atik¹, Ephra Yasmin¹

¹University College London Hospital, London, United Kingdom. ²University of Bristol, Bristol, United Kingdom

SP3B.2 (129) Maternal spindle transfer may help to maintain or restore DNA integrity and reduce the incidence of aneuploidies occurring during meiosis II

Munuse C Savash Ishanzadeh¹, Enric Mestres², Mònica Acacio², Queral Matia², Gloria Calderón², Dagan Wells³, Nuno Costa-Borges²

¹Oxford University, Nuffield Department of Women's and Reproductive Health, Oxford, United Kingdom. ²Embryotools, R&D Center, Barcelona, Spain. ³Juno Genetics UK, Research and Development, Oxford, United Kingdom

SP3B.3 (125) Testosterone treatment induces ovarian fibrosis in the ovaries of transgender men

Emily Bailie¹, Johanne Grosbois¹, Stuart Jack², Robert Hawthorn³, Neale Watson⁴, Richard Anderson¹, Evelyn Telfer¹

¹University of Edinburgh, Edinburgh, United Kingdom. ²NHS Lothian, Edinburgh, United Kingdom. ³NHS GGC, Glasgow, United Kingdom. ⁴Hillingdon Hospital NHS, London, United Kingdom

SP3B.4 (203) Rapamycin mitigates chemotherapy-induced apoptosis in rat derived spermatogonia stem cell line gc6-spg

Wafiya Jibrin¹, Federica Lopes¹, Rod Mitchell²

¹University of Dundee, Dundee, United Kingdom. ²University of Edinburgh, Edinburgh, United Kingdom

SP3C DECODING FETO-MATERNAL COMMUNICATION

SP3C.1 (170) Hidden language of embryo maternal dialogue: Dynamics of protein secretion from endometrial epithelial cells in response to trophoblast derived extracellular vesicles during implantation

Subhashini Muhandiram¹, Keerthie Dissanayake^{1,2}, Kasun Godakumara¹, Suranga Kodithuwakku^{1,3}, Toomos Orro¹, Noor R. Bafana⁴, Alireza Fazeli^{1,4,5}

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SP3C.2 (199) Endometrial gland secretions induce a metabolic switch and immunomodulatory signalling in implanting trophoblast

Sam Kebbe¹, Isabel Paterson¹, Isabella Smith¹, Daman Adlam¹, Terence Garner¹, Roger Sturmey², John Aplin¹, Peter Ruane¹

¹University of Manchester, Manchester, United Kingdom. ²Hull York Medical School, Hull, United Kingdom

SP3C.3 (323) The new generation antiplatelet agent, prasugrel, mitigates key pathophysiological aspects of preeclampsia in a pipeline of human and mouse preclinical models of disease

Natasha de Alwis¹, Natalie Binder¹, Sally Beard¹, Yeukai Mangwiro¹, Vi Nguyen¹, Stephen Tong², Tu'uhevaha Kaitu'u-Lino², Natalie Hannan¹

¹The Therapeutics Discovery and Vascular Function in Pregnancy Laboratories; University of Melbourne, Melbourne, Australia. ²Translational Obstetric Group; University of Melbourne, Melbourne, Australia

SP3C.4 (20) Alkaline phosphatase: an important regulator of ovine conceptus development

Claire Stenhouse^{1,2}, Katherine Halloran^{3,2}, Robyn Moses², Nirvay Sah^{4,2}, Makenzie Newton², Shannon Huggins², Joshua Bertels², Larry Suva², Dana Gaddy², Fuller Bazer²

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SP3D INCLUSIVITY IN FERTILITY

SP3D.1 (179) Suicidality, self-harm and the menstrual cycle: Research priorities for Premenstrual Dysphoric Disorder (PMDD)

Pooja Khurana¹, Lynsay Matthews², Julie Riddell³

¹Marie Curie Alumni Association (MCAA), Brussels, Belgium. ²The University of the West of Scotland, Glasgow, United Kingdom. ³University of Glasgow, Glasgow, United Kingdom

SP3D.2 (230) Art x ART: LGBTQ+ narratives in family-building and fertility care

Iris Tsang¹, Chloe He^{2,3}

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³Apricity, London, United Kingdom

SP3D.3 (110) Is the transgender population adequately counselled to make informed choices about fertility preservation?

Emma Nash, Shreya Sheth, Linda Ibeto, Kate Maclaran, Dimitrios Nikolaou

Chelsea and Westminster Hospital, London, United Kingdom

SP3D.4 (302) The importance of collective privacy in digital sexual and reproductive health

Maryam Mehrnezhad¹, Teresa Almeida², Stephen Cook³

¹Royal Holloway University of London, Egham, United Kingdom. ²Umea University, Umea, Sweden. ³RHIL, Egham, United Kingdom

SP3E IMMUNOLOGICAL CHALLENGES IN THE UTERUS

SP3E.1 (145) Immunological Changes in the Presence of Non-Cavity Distorting Fibroids

Navneet Kaur^{1,2}, Olivia Moran^{1,2}, Abdullah Shahzad¹, Yousef Alebrahim^{1,2}, Elizabeth Mann¹, Lamiya Mohiyiddeen^{1,2}

¹University of Manchester, Manchester, United Kingdom. ²Manchester University NHS Foundation Trust, Manchester, United Kingdom

SP3E.2 (320) Spatial transcriptomics identified dysregulated pathways in adenomyosis lesions compared to correctly located endometrium

Alison Maclean^{1,2}, Emily Johnson³, Eva Caamano Gutierrez³, Dharani Hapangama^{1,2}

¹Department of Women's and Children's Health, Institute of Life Course and Medical Sciences, University of Liverpool, Liverpool, United Kingdom. ²Liverpool Women's Hospital, Liverpool, United Kingdom. ³Computational Biology Facility, MerseyBio, University of Liverpool, Liverpool, United Kingdom

SP3E.3 (46) Effect of increased maternal spleen-liver axis inflammation during obese pregnancy on placental nutrient transport

Cindy Xin Wen Zhang¹, Alejandro Candia², Edina Horvath-Gulasci¹, Samantha Lean¹, Amanda Sferruzzi-Perri¹

¹University of Cambridge, Cambridge, United Kingdom. ²University of Chile, Santiago, Chile

SP3E.4 (62) Murine pre-implantation uterine immunological responses are altered by whole semen from sub-optimal diet fed fathers

Hannah L Morgan¹, Elizabeth R Mann², Adam J Watkins¹

¹University of Nottingham, Nottingham, United Kingdom. ²University of Manchester, Manchester, United Kingdom

RAPID FIRE POSTER PRESENTATIONS

RF1 CLINICAL PRACTICE

RF 1.1 (346) Fertility preservation in oestrogen responsive disorders: Optimizing letrozole dosing for safe ovarian stimulation

Harriet Walker¹, Neerujah Balachandren², Christine Alabi², Stuart Lavery²

¹University College London Hospital, London, United Kingdom. ²University College London Hospitals NHS Foundation Trust, London, United Kingdom

RF 1.2 (326) The prevalence and outcome of ovarian cysts identified at the time of baseline fertility scans

Jen Barcroft^{1,2}, Mehar Chawla², Danai Balfoussia², Nina Cooper^{1,2}, Nina Parker^{1,2}, Alex Novak^{1,2}, Joseph Yazbek², Maya Al-Memar^{1,2}, Chiara Landolfo², Raj Rai^{1,2}, Srdjan Saso^{1,2}, Sotirios Saravelos^{1,2}, Monica Mittal², Tom Bourne^{1,3}

¹Imperial College London, London, United Kingdom. ²Imperial College Healthcare NHS Trust, London, United Kingdom.

³KU Leuven, Leuven, Belgium

RF 1.3 (9) Impact of advanced paternal age and its interaction with maternal age on implantation failure: a cohort study in China

Jiaqian Yin¹, Ruoling Chen¹, David Churchill², Huijuan Zou³, Peipei Guo⁴, Chunmei Liang⁵, Xiaoqing Peng⁵, Qi Zhong⁵, Zhikang Zhang³, Precious Igbinigie¹, Dev Acharya¹, Weiju Zhou⁶, Yunxia Cao Cao³

¹University of Wolverhampton, Wolverhampton, United Kingdom. ²New Cross Hospital, Wolverhampton, United Kingdom. ³The First Affiliated Hospital of Anhui Medical University, Hefei, China. ⁴Department of Obstetrics and Gynecology, the First Affiliated Hospital of Anhui Medical University, Hefei, China. ⁵Anhui Medical University, Hefei, China. ⁶Vanke School of Public Health, Tsinghua University, Beijing, China

RF 1.4 (7) The Effect of Endometrial Scratch on Pregnancy Rate in Women with Previous Intrauterine Insemination Failure: a Systematic Review and Meta-analysis of Randomized Controlled Trials

Saeed Baradwan

Department of Obstetrics and Gynecology, King Faisal Specialist Hospital and Research Center, Jeddah, Saudi Arabia

RF 1.5 (177) Dual hCG and GnRHa trigger is associated with increased mature oocytes compared to hCG alone in ICSI cycles: a retrospective study

Zuzanna Golebiewska¹, Raj Mathur^{1,2}

¹Manchester Fertility, Manchester, United Kingdom. ²Manchester NHS Foundation Trust, Manchester, United Kingdom

RF2 ASSISTED CONCEPTION

RF 2.1 (56) Artificial Oocyte Activation improves ART outcomes following unexplained fertilisation abnormalities

Cara Nicholson¹, Sarah Martins da Silva^{1,2}

¹University of Dundee, Dundee, United Kingdom. ²Assisted Conception Unit, Ninewells Hospital, Dundee, United Kingdom

RF 2.2 (115) Transgender care in the Fertility Preservation Service: 5-year-experience in a NHS tertiary centre

Orestis Tsonis, Tamara Labrunee, Joshua Last, Julia Kopeika

Fertility Preservation Service, Guy's Hospital, London, United Kingdom

RF 2.3 (312) Endometrial thickness predicts success rates in Frozen Embryo Transfer cycles

Apostolos Tsironis, Yasmin Mulji, Rachel Imrie, Maryam Modarres, Ippokratis Sarris

King's Fertility, London, United Kingdom

RF 2.4 (370) Endometrial ultrasound pattern to predict pregnancy in women undergoing embryo transfer: a systematic review and meta-analysis

Hiba Elhassan^{1,2,3}, Nicholas Raine-Fenning^{2,3}, Jim Thornton⁴, Walid Maalouf², Hana Elhassan⁵, Kenny Odubamowo⁴, Hana Baig⁶, Emma Park³, Asma Alarbed³

¹Chelsea and Westminster Hospital, London, United Kingdom. ²Nurture Fertility, Nottingham, United Kingdom.

³University of Nottingham, Nottingham, United Kingdom. ⁴Nottingham University hospitals NHS trust, Nottingham, United Kingdom. ⁵Imperial Hospitals NHS trust, London, United Kingdom. ⁶West Middlesex hospital, London, United Kingdom

RF3 OTHER

RF 3.1 (351) Fertility education on Instagram: educational vs advertisements content analysis of posts in Bahasa (Indonesian language)

Berli Kusuma, Achmad Kemal Harzif

Department of Obstetrics and Gynecology, Faculty of Medicine, Universitas Indonesia, Jakarta, Indonesia

RF 3.2 (72) Hyper-stable chromosome attachments and a weakened checkpoint can explain the error prone first mitotic division of the human embryo

Cerys Currie^{1,2}, Gerard Pieper³, Aleksandra Byrska^{1,2}, Mansour Aboelenain³, Lucy Munro³, Bettina Mihalas³, Deborah Taylor⁴, Muriel Erent^{1,2}, Geraldine Hartshorne^{4,1}, Andrew McAinsh^{1,2}

¹Division of Biomedical Sciences, Warwick Medical School, University of Warwick, Coventry, United Kingdom. ²Centre for Mechanochemical Cell Biology, University of Warwick, Coventry, United Kingdom. ³Wellcome Centre for Cell Biology, University of Edinburgh, Edinburgh, United Kingdom. ⁴University Hospitals Coventry and Warwickshire NHS Trust, Coventry, United Kingdom

RF 3.3 (85) Experiences of infertility among people with Klinefelter syndrome/XXY

Claire Harkin^{1,2}, Bryan Woodward³, James Elander²

¹Klinefelter's Syndrome Association, Derby, United Kingdom. ²University of Derby, Derby, United Kingdom. ³X&Y Fertility Health Specialists, Leicester, United Kingdom

RF 3.4 (198) Controlled induction of double strand DNA damage using CRISPR-Cas9 reveals a deficiency in genetic repair capacity in human embryos prior to activation of the embryonic genome

Nada Kubikova¹, Marga Esbert², Munuse Savash¹, Shiny Titus³, Jack Fagan¹, Richard Scott⁴, Dagan Wells^{1,5}

¹University of Oxford, Oxford, United Kingdom. ²IVI RMA, Barcelona, Spain. ³FEC Labs, New Jersey, USA. ⁴IVI RMA, New Jersey, USA. ⁵Juno Genetics, Oxford, United Kingdom

RF 3.5 (178) Single-cell analysis reveals fundamental differences between secretory epithelia of the oviduct and endometrium

Lily Wright¹, Megan Sharps¹, Ivan Wangsaputra¹, Terence Garner¹, Adam Stevens¹, Roger Sturme^{2,1}

¹University of Manchester, Manchester, United Kingdom. ²Hull York Medical School, Hull, United Kingdom

RF4 GENERAL FERTILITY

RF 4.1 (34) Evolution of fertility care: The potential of metaverse nursing and Generation Z's digital expectations for the future of reproductive health

Julie Morgan¹, Kate Pleace²

¹Assisted Reproduction & Gynaecology Centre, London, United Kingdom. ²Dublin City University, Dublin, United Kingdom

RF 4.2 (138) The mechanisms of Leptin induced Leydig cell dysfunction: An in vitro study

Kristian Leisegang¹, Lutho Menyane¹, Renata Finelli², Ralf Henkel^{3,1,4}

¹University of the Western Cape, Cape Town, South Africa. ²Create Fertility, London, United Kingdom. ³LogixX Pharma, Theale, United Kingdom. ⁴Imperial College London, London, United Kingdom

RF 4.3 (176) A case of hyperprolactinaemia presenting with male erectile dysfunction and subfertility

Emily Bailie, Ishola Agbaje

Regional Fertility Centre, Belfast, United Kingdom

RF 4.4 (256) Development and Characterization of Novel Follicle-Stimulating Hormone Receptor (FSHR) Inhibitors

Ruijuan Xu¹, Uche Agwuegbu¹, Hanh Duyen Tran^{1,2}, Sumetha Sureshkumar^{1,2}, George Bousfield³, Kim Jonas¹

¹King's College London, London, United Kingdom. ²St George's University of London, London, United Kingdom. ³Wichita State University, Kansas, USA

RF 4.5 (319) Are any UK clinics adhering to the 10-family limit for donors?

Rachel Gregoire, Dawn Yell

Hewitt Fertility Centre, Liverpool, United Kingdom

RF5 INNOVATIONS

RF 5.1 29 Investigating live human sperm metabolism during hyperactivation and the acrosome reaction using ¹³C Nuclear Magnetic Resonance

Evie Gruszyk¹, Allan Pacey^{1,2}, Steven Reynolds¹

¹University of Sheffield, Sheffield, United Kingdom. ²University of Manchester, Manchester, United Kingdom

RF 5.2 (37) Single cell-RNA sequencing of human ovarian cortical tissue following in vitro exposure to cyclophosphamide

Roseanne Rosario^{1,2}, Ioannis Moustakas³, Hazel Stewart², Evelyn Telfer^{4,2}, Susana Chuva de Sousa Lopes³, Richard Anderson²

¹Biomedical Sciences, University of Edinburgh, Edinburgh, United Kingdom. ²Centre for Reproductive Health, University of Edinburgh, Edinburgh, United Kingdom. ³Anatomy and Embryology, Leiden University Medical Centre, Leiden, Netherlands. ⁴Institute of Cell Biology, University of Edinburgh, Edinburgh, United Kingdom

RF 5.3 (168) Living donor uterus transplantation: a 12 month follow-up from first UK case

Benjamin Jones^{1,2,3}, Saaliha Vali², Ariadne L'Heveder^{3,2}, Srdjan Saso^{1,3}, Timothy Bracewell-Milnes^{1,2}, Meen Yau Thum^{1,2}, James Nicopoulos^{1,2}, Baljeet Kaur^{2,3}, Candice Roufousse^{2,3}, Cesar Diaz-Garcia^{4,5}, Venkatesha Udopa⁶, Isabel Quiroga⁶, J Richard Smith^{2,3}

¹Lister Fertility Clinic, London, United Kingdom. ²Imperial College London, London, United Kingdom. ³Hammersmith Hospital, London, United Kingdom. ⁴IVI London, London, United Kingdom. ⁵University College London, London, United Kingdom. ⁶The Churchill Hospital, Oxford, United Kingdom

RF 5.4 (201) Investigation of cell cycle checkpoint activity in human preimplantation embryos subjected double-stranded break (DSB) damage – a morphokinetic analysis

Nada Kubikova¹, Jack Fagan¹, Marga Esbert², Shiny Titus³, Richard Scott⁴, Dagan Wells^{1,5}

¹University of Oxford, Oxford, United Kingdom. ²IVI RMA, Barcelona, Spain. ³FEC Labs, New Jersey, USA. ⁴IVI RMA, New Jersey, USA. ⁵Juno Genetics, Oxford, United Kingdom

RF 5.5 (285) Determining the optimal matrix: Biologically relevant laminin-511 maintains human trophoblast stem cell identity in vitro

Sofia Tzouganatou¹, Norah Fogarty²

¹Imperial College London, London, United Kingdom. ²King's College London, London, United Kingdom

RF6 EMBRYOS

RF 6.1 (50) Chemerin in egg albumen: a potential biomarker of embryo development for genetic selection in birds

Ophélie BERNARDI¹, Maxime REVERCHON², Christelle RAME¹, Joëlle DUPONT¹

¹INRAE, Tours, France. ²SYSAAF, Tours, France

RF 6.2 (193) Paternal sub-optimal nutrition influences embryo metabolism and attachment properties in vitro in a mouse model

Hannah L Morgan¹, Peter T Ruane², John D Aplin², Adam J Watkins¹

¹University of Nottingham, Nottingham, United Kingdom. ²University of Manchester, Manchester, United Kingdom

RF 6.3 (270) Effects of knockdown of the Tjp1 α isoform through alternative splicing regulation with Rbm47 siRNA on stepwise tight junctions assembly during mouse blastocyst development

Inchul Choi, Jiyeon Jeong

Daejeon, Daejeon, Republic of Korea

RF 6.4 (298) Human decidualized endometrial stromal cells exhibited higher invasion towards aneuploid trophoblastic spheroids

Qi Qiu¹, Andy Chun Hang Chen^{1,2,3}, Sze Wan Fong¹, Judy Fung Cheung Chow¹, Calvin Kai Fai Lee^{1,2}, Raymond Hang Wun Li^{1,2}, Ernest Hung Yu Ng^{1,2}, William Shu Biu Yeung^{1,2,3}, Cherie Yin Lau Lee^{1,2,3}

¹Department of Obstetrics and Gynaecology, School of Clinical Medicine, Li Ka Shing Faculty of Medicine, The University of Hong Kong, Hong Kong, Hong Kong. ²Shenzhen Key Laboratory of Fertility Regulation, Reproductive Medicine Centre, The University of Hong Kong - Shenzhen Hospital, Shenzhen, China. ³Centre for Translational Stem Cell Biology, The Hong Kong Science and Technology Park, Hong Kong, Hong Kong

RF 6.5 (301) Targeted next generation sequencing provides a high-accuracy method for simultaneous PGT-M and aneuploidy detection

Vanessa Guo¹, Michael Cheng², Li Ma¹, Anna Czyrznic¹, Antonio Capalbo³, Dagan Wells^{4,5}, Chaim Jalas¹, Xin Tao¹

¹Juno Genetics, New Jersey, USA. ²IVIRMA, New Jersey, USA. ³Juno Genetics, Rome, Italy. ⁴Juno Genetics, Oxford, United Kingdom. ⁵University of Oxford, Oxford, USA

RF7 AI

RF 7.1 (52) Multicenter assessment of prediction of blastulation by an Oocyte quality AI score

Blair Sowry¹, Suzanne Cawood¹, Mina Vasilic¹, Cristina Hickman², Alexa Zepeda², Wael Saab¹, Srividya Seshadri¹

¹The Centre for Reproductive and Genetic Health, London, United Kingdom. ²Fairtality, London, United Kingdom

RF 7.2 (103) The best of the best: assessment of a time-lapse algorithm to predict euploid blastocyst implantation

Rebecca Oakley¹, Louise Best¹, Rachel Smith², Amy Barrie³, Kathryn Berrisford³, Natalie Davis⁴, Samantha Duffy⁵, Sarah Owen⁶, Sharon Corcoran⁷, Sue Montgomery⁵, Alison Campbell³

¹Care Fertility, London, United Kingdom. ²Care Fertility, Sheffield, United Kingdom. ³Care Fertility, Nottingham, United Kingdom. ⁴Care Fertility, Northampton, United Kingdom. ⁵Care Fertility, Manchester, United Kingdom. ⁶Care Fertility, Leeds, United Kingdom. ⁷Care Fertility, Dublin, Ireland

RF 7.3 (255) Embryologists' evaluation of human embryos classified by a deep learning model using explainable artificial intelligence

Radhika Kakulavarapu¹, Akriti Sharma¹, Michael A. Riegler^{2,1}, Mette H. Stensen³, Vajira Thambawita², Trine B. Haugen¹, Anne H. Framstad³, Mario Iliceto^{3,1}, Hugo Lewi Hammer^{1,2}, Erwan Delbarre^{1,4}

¹Oslo Metropolitan University, Oslo, Norway. ²SimulaMet, Oslo, Norway. ³Fertilitetssenteret, Oslo, Norway. ⁴Inland Norway University of Applied Sciences, Elverum, Norway

RF 7.4 (297) Application of machine learning methods to predict outcomes of expectant and medical management of early pregnancy miscarriage

Sughashini Murugesu^{1,2}, Kristofer Linton-Reid¹, Emily Braun², Nina Cooper^{1,2}, Margaret Pikovsky^{1,2}, Alex Novak^{1,2}, Nina Parker^{1,2}, Catriona Stalder², Maya Al-Memar^{1,2}, Srdjan Saso^{1,2}, Tom Bourne^{1,2}, Eric Aboagye¹

¹Imperial College London, London, United Kingdom. ²Imperial College Healthcare NHS Trust, London, United Kingdom

RF 7.5 (340) Evaluating the role of artificial intelligence in treatment cycle planning

Yusuf Beebejaun^{1,2,3}, James M.N. Duffy^{4,5,3}

¹King's Fertility, London, United Kingdom. ²Clinical Operations, Harvard Medical School, Boston, USA. ³Department of Women's and Children's Health, King's College London, London, United Kingdom. ⁴Digital Health Leadership Programme, Imperial College London, London, United Kingdom. ⁵Centre for Reproductive Medicine, St Bartholomew's Hospital, London, United Kingdom

RF8 UTERUS

RF 8.1 (45) Preliminary investigation into the use of urinary aquaphotomics for early pregnancy detection in giant pandas

Kirsten Wilson¹, Iain Valentine², Simon Girling³, Desheng Li⁴, Rengui Li⁴, W. Colin Duncan¹, Jella Wauters^{5,6}

¹University of Edinburgh, Edinburgh, United Kingdom. ²ZooCraft, Glenrothes, United Kingdom. ³RZSS Edinburgh Zoo, Edinburgh, United Kingdom. ⁴China Conservation and Research Centre for the Giant Panda (CCRCGP), Dujiangyan, China. ⁵Leibniz Institute for Zoo and Wildlife Research, Berlin, Germany. ⁶Ghent University, Ghent, Belgium

RF 8.2 (155) The role of the endometrial microbiome in improving reproductive outcomes for women with Recurrent Implantation Failure

Timothy Bracewell-Milnes¹, Sarah Stephen², Ludovica Di Vincenzo², Raef Faris¹, Jaya Parikh¹, Shabana Bora¹, Meen-Yau Thum¹

¹Lister Fertility Clinic, Chelsea, London, United Kingdom. ²Imperial College London, London, United Kingdom

RF 8.3 (269) Role of ultrasound in post-operative surveillance following uterus transplantation

Benjamin Jones^{1,2,3}, Saaliha Vali^{2,3}, Ariadne L'Heveder^{2,3}, Srdjan Saso^{2,3}, Timothy Bracewell-Milnes^{1,3}, James Nicopoulos^{1,3}, Meen-Yau Thum^{1,3}, Isabel Quiroga⁴, J Richard Smith^{2,3}

¹Lister Fertility Clinic, London, United Kingdom. ²Hammersmith Hospital, London, United Kingdom. ³Imperial College London, London, United Kingdom. ⁴Churchill Hospital, Oxford, United Kingdom

RF 8.4 (288) Screening, validation, and potential application of pharmacologically active small molecules modulating embryo implantation

Shuya Sun, Xian Chen, Luhan Jiang, Yin-Lau Lee, William Yeung, Ernest Ng, Kai-Fai Lee

University of Hong Kong, Hong Kong, China

RF 8.5 (372) Investigating the role of sulfatases (SULF) at the maternal-embryo interface at implantation using in-vitro spheroid model

Gemma E. Sumner-Miles, Fehrish Sheikh, Kamalinder K Singh, Imeobong Antia, Stéphane Berneau

University of Central Lancashire, Preston, United Kingdom

RF9 ENVIRONMENTAL INFLUENCE**RF 9.1 (23) Glyphosate-based herbicides: a threat to embryonic development in hens?***Mathias Fréville¹, Anthony Estienne^{2,1}, Joëlle Dupont¹*¹INRAE, Nouzilly, France. ²Université de Montréal, Saint-Hyacinthe, Canada**RF 9.2 (101) Healthy non-obese mothers eating high-fat diet just during preimplantation cause increased disease risk in their adult offspring. How?***Irene Peral-Sanchez¹, Eda Sezer¹, Tom Fleming¹, Thomas Frohlich², Bachuki Shashikadze², Judith Eckert¹, Neil Smyth¹, Sandrine Willaime-Morawek¹*¹University of Southampton, Southampton, United Kingdom. ²Ludwig-Maximilians-Universität München, Munich, Germany**RF 9.3 (162) Pre-pregnancy obesity disturbs placental iron handling in association with reduced placental iron accumulation and reduced fetal growth***Jonas Zaugg^{1,2}, Samantha C Lean^{1,2}, Megan Vickers^{1,2}, Alejandro A Candia³, Edina Horvath-Gulacs¹, Amanda N Sferruzzi-Perri^{1,2}*¹Department of Physiology, Development and Neuroscience, Cambridge, United Kingdom. ²Centre for Trophoblast Research, Cambridge, United Kingdom. ³Department for the Woman and Newborn Health Promotion, Santiago, Chile**RF 9.4 (283) The effect of ketogenic diet on reproductive hormone secretion in women***Piotr Kaczynski¹, Natalia Drabinska^{1,2}, Jerzy Romaszko³*¹Institute of Animal Reproduction and Food Science, Olsztyn, Poland. ²Faculty of Food Science and Nutrition, Poznań University of Life Sciences, Poznań, Poland. ³Department of Family Medicine and Infectious Diseases, University of Warmia and Mazury in Olsztyn, Olsztyn, Poland**RF 9.5 (299) Assessing the Influence of Paternal Diet on Maternal Late Gestation Metabolic Health in the Mouse***Afsaneh Khoshkardar, Hannah Morgan, Adam Watkins**University of Nottingham, Nottingham, United Kingdom***RF10 GAMETES****RF 10.1 (80) Does doxorubicin damage the fetal testis?***Alexandra Mazilu, Norah Spears, Agnes Stefansdottir**The University of Edinburgh, Edinburgh, United Kingdom***RF 10.2 (133) Could a genome-wide reduction in the frequency of meiotic recombination contribute to an increased risk of aneuploidy in some oocytes?***Zeynep Gunes¹, Dagan Wells^{1,2}*¹University of Oxford, Oxford, United Kingdom. ²Juno Genetics, Oxford, United Kingdom**RF 10.3 (237) Sitagliptin-induced DPP4 inhibition activates SIRT1 and promotes primordial-to-primary follicle transition***Julie Feld Madsen¹, Karin Lykke-Hartmann^{1,2}*¹Department of Biomedicine, Aarhus University, Aarhus, Denmark. ²Department of Clinical Genetics, Aarhus University Hospital, Aarhus, Denmark**RF 10.4 (59) Localization of toll-like receptor 7 (TLR7) in bull, ram and dog spermatozoa and assessment of its use as a sexing target***Alexandra Shattock, Fataneh Ghafari, Richard Piercy, Ali Fouladi-Nashta**Royal Veterinary College, London, United Kingdom***RF 10.5 (369) Variable susceptibility to obesity in mice is associated with profound transcriptional changes in cumulus cells and oocytes***Karolina Wołodko¹, Marek Adamowski¹, Edyta Walewska¹, Karol Makowczenko¹, Gavin Kelsey², António Galvão^{3,2,1}*¹Institute of Animal Reproduction and Food Research, Polish Academy of Science, Olsztyn, Poland. ²Babraham Institute, Cambridge, United Kingdom. ³Royal Veterinary College, London, United Kingdom

POSTER WALKS

PW1 ASSISTED CONCEPTION

PW 1.1 (55) Fertility preservation for breast cancer patients

Razan Abukhaizaran, Vanessa Kay

University of Dundee, Dundee, United Kingdom

PW 1.2 (58) Do day 4 blastocysts have an improved pregnancy prognosis compared to day 5/6 blastocysts?

Mollie McGrane^{1,2}, Louise Duncalf¹, Daniel Brison², Peter Ruane², Roger Sturmey², Rachel Gregoire¹

¹The Hewitt Fertility Centre, Knutsford, United Kingdom. ²The University of Manchester, Manchester, United Kingdom

PW 1.3 (128) Automated cervicovaginal mucus detection for empowering fertility awareness

Koza Kurumlu¹, Devika Nair^{1,2}, Céline Jacques³, Chloe He^{4,1}

¹Apricity, London, United Kingdom. ²Imperial College London, London, United Kingdom. ³Apricity, Paris, France.

⁴University College London, London, United Kingdom

PW 1.4 (159) Does routine supplementation with LH improve oocyte yield or maturity?

Sarah Petch, Louise Glover, David Crosby

Merrion Fertility Clinic, Dublin, Ireland

PW 1.5 (174) Quality improvement project in a tertiary level fertility centre- Introducing a chronic low-dose step-up protocol for ovulation induction with gonadotrophins

Emily Bailie, Suzanne Price

Regional Fertility Centre, Belfast, United Kingdom

PW 1.6 (229) Reconsidering donor conception in Japan: A literature review

Akane Hashimoto, Kayoko Ichikawa, Mayumi Toyama, Takeo Nakayama, Misao Fujita

Kyoto University, Kyoto, Japan

PW 1.7 (242) Genetic screening of donors for recessive carrier status: clinical and transparency challenges for clinics and patients

Valerie Shaikly¹, Karen Sage¹, Emma Whitney²

¹Fertility Genetics, London, United Kingdom. ²The Evewell, London, United Kingdom

PW 1.8 (259) Rates of live birth and miscarriages following mosaic embryo transfers compared with euploid embryo transfers

Easwarya Thavarajah, Renata Finelli, Mario Terrible, Martin Wilding

Create Fertility, London, United Kingdom

PW 1.9 (282) Factors affecting time to discharge after trans-vaginal egg collection in a district general hospital

Elinor Carlisle¹, Anoushka Umranikar², Maqbool Jaffer¹, Aarti Umranikar¹

¹Salisbury District Hospital, Salisbury, United Kingdom. ²King's College London, London, United Kingdom

PW 1.10 (295) The effectiveness of prolonged downregulation with GnRH analogue treatment in women with adenomyosis undergoing IVF/ICSI: a systematic review and meta-analysis

Sania Latif^{1,2}, Stavroula Kastora^{1,2}, Bassel Al Wattar^{1,2}, Ephraim Yasmin^{1,2}, Ertan Saridogan^{1,2}, Dimitrios Mavrellos^{1,2}

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PW 1.11 (339) Examining the terms and conditions of fertility apps

Yusuf Beebeejaun^{1,2,3}, James M.N. Duffy^{4,5,3}

¹King's Fertility, London, United Kingdom. ²Clinical Operations, Harvard Medical School, Boston, USA. ³Department of Women's and Children's Health, King's College London, London, United Kingdom. ⁴Digital Health Leadership Programme, Imperial College London, London, United Kingdom. ⁵Centre for Reproductive Medicine, St Bartholomew's Hospital, London, United Kingdom

PW 1.12 (366) The prognostic accuracy of endometrial patterns on ultrasound to predict implantation

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PW 1.13 (180) The evolving landscape of PGT-M: Increasing reproductive options and decisions*Valerie Shaikly¹, Karen Sage^{2,1}, Pamela Callum³, Alan Handyside^{4,5}**¹Fertility Genetics, London, United Kingdom. ²Care Fertility, Nottingham, United Kingdom. ³Tandem Genetics, nationwide, USA. ⁴Preimplantation Genetics, nationwide, United Kingdom. ⁵University of Kent, Kent, United Kingdom***PW 1.14 (171) Does the use of serum progesterone testing improve pregnancy rates in patients undergoing frozen embryo transfer? A single-centre, retrospective cohort study***Jessica Man¹, Lynne Robinson²**¹University of Birmingham, Birmingham, United Kingdom. ²Birmingham Women's and Children's NHS Foundation Trust, Birmingham, United Kingdom***PW 1.15 (355) 'Time is brain' concept can be applied to the management of ovarian torsion following assisted reproduction (ART)-early intervention to save ovaries***Reenu Nagarajan¹, Rahnuma Kazem²**¹CARE Fertility, Northampton, United Kingdom. ²CARE fertility, Northampton, United Kingdom***PW 1.16 (274) Clinical service evaluation of agonist downregulation***Philip Milne¹, Lindsay Crawford², George Hughes¹, Sarah Martins da Silva^{2,1}**¹NHS Tayside, Ninewells Assisted Conception Unit, Dundee, United Kingdom. ²University of Dundee, Ninewells Hospital and Medical School, Dundee, United Kingdom***PW 1.17 (349) Enhanced luteal support: what do patients think?***Freyja Thomson¹, Sarah Martins da Silva^{1,2}**¹University of Dundee, Dundee, United Kingdom. ²Ninewells Assisted Conception Unit, Dundee, United Kingdom***PW 1.18 (136) Socio-cultural Determinants of ART uptake among Infertile Couples Visiting Fertility Clinics in FCT-Abuja, Nigeria***Olugbenga Eweoya¹, Tochukwu Henry²**¹University of Abuja, FCT-Abuja, Nigeria. ²Federal Medical Centre, Keffi, Nassarawa State, Nigeria***PW2 ENDOCRINOLOGY AND PREGNANCY OUTCOMES****PW 2.1 (90) Decoding the importance of placental endocrine function in determining maternal metabolic health during lactation***Jorge Lopez-Tello¹, Madeleine Mitchell¹, Ruben Bermejo-Poza², Almudena Cabezas², Jesus De la Fuente², Hannah EJ Yong¹, Amanda Sferruzzi-Perri¹**¹Centre for Trophoblast Research. University of Cambridge, Cambridge, United Kingdom. ²Department of Animal Production, Veterinary School, Complutense University of Madrid, Madrid, Spain***PW 2.2 (173) An audit of Perinatal outcome of women 40 years and above***Sowmiya Kalyana Sundaram, Munawar Hussain**Southend University Hospital, Southend on Sea, United Kingdom***PW 2.3 (204) Expectant management in unexplained infertility: a systematic review of randomised trials***Gozde Gultekin¹, Laxmi Shingshetty², David J. McLernon³, Siladitya Bhattacharya⁴**¹Barts and The London School of Medicine and Dentistry, Queen Mary University of London, London, United Kingdom. ²Aberdeen Centre for Reproductive Medicine, NHS Grampian, Aberdeen, United Kingdom. ³Medical Statistics Team, School of Medicine, Medical Sciences and Nutrition, University of Aberdeen, Aberdeen, United Kingdom.**⁴Aberdeen Centre for Women's Health Research, School of Medicine, Medical Sciences and Nutrition, University of Aberdeen, Aberdeen, United Kingdom***PW 2.4 (216) Overcoming limitations of the HFEA dataset using augmented data for IVF outcome modelling***Anna Collins, Ahmed Amer, Lynae Brayboy, Maximilian von Raven, Ramkumar Ganesan, Felicia von Reden, Sina Shahandeh, Cristina Hickman**OVOM Care, Berlin, Germany***PW 2.5 (222) Ethnic diversity in ART access and outcomes***Kazuyo Machiyama, Abigail Ng, Amanda Evans**Human Fertilisation and Embryology Authority, London, United Kingdom*

PW 2.6 (231) Investigation of the association between clinical and biochemical hyperandrogenism in a UK cohort with or without pre-existing polycystic ovary syndrome

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PW 2.7 (309) The ULTRA trial: transvaginal ultrasound-guided ovarian ablation in women with PCOS-related infertility: the endocrine outcome of the first-in-human feasibility clinical trial

Saad Amer^{1,2}, Karl Hansen³, Christine Wyns⁴, Candice Autin⁵, Herve Fernandez⁶, Margaux Jegaden⁶, Kanna Jayaprakasan², Mostafa Metwally⁷

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PW 2.8 (348) Investigating the roles of interferon tau stimulated genes in sheep embryo implantation

Amos Oladipupo^{1,2}, Zhangrui Cheng¹, Ali Fouladi-Nashta¹

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PW 2.9 (368) The relationship between endometrial pattern on ultrasound, histology and microarray in endometrial biopsies

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PW 2.10 (290) An unexpected pregnancy during controlled ovarian stimulation for fertility preservation

Kinjal Shah, Danai Balfoussia, Diana Sragyte, Sotirios Saravelos, Rehan Salim, Raj Rai, Monica Mittal

Imperial College Healthcare NHS Trust, London, United Kingdom

PW 2.11 (137) Survival rates and clinical outcomes of borderline quality embryos: a retrospective analysis

Chloe Nelson, Amie Brunt, Emily French, Karen Thompson

Care Fertility Leeds, Leeds, United Kingdom

PW 2.12 (161) ZyMot® semen preparation is associated with increased clinical outcomes following ICSI, when compared to density gradient preparation

Natalie Davis¹, Bethany Pendleton¹, Amy Barrie², Lynne Nice¹, Alison Campbell²

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PW 2.13 (6) Transvaginal needle versus laparoscopic ovarian drilling in hormonal profile and pregnancy outcomes of polycystic ovary syndrome: A systematic review and meta-analysis

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PW 2.14 (303) Comparing embryo growth rates in viable and non-viable IVF pregnancies

Sughashini Murugesu^{1,2}, Amy Shearer², Kristofer Linton-Reid¹, Danai Balfoussia^{1,2}, Catriona Stalder², Eric Aboagye¹, Srdjan Saso^{1,2}, Sotirios Saravelos^{1,2}, Tom Bourne^{1,2}

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PW3 FERTILISATION AND EMBRYO

PW 3.1 (16) A comparison of morphokinetic models and morphological selection for prioritising euploid embryos: a multicentre cohort study

Thomas Bamford^{1,2}, Rachel Smith³, Selina Young¹, Amy Evans⁴, Megan Lockwood³, Christina Easter², Sue Montgomery¹, Amy Barrie⁵, Rima Dhillon-Smith², Arri Coomarasamy², Alison Campbell⁵

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PW 3.2 (108) The impact of mycotoxins on the *in vitro* production of bovine embryos and cell allocation

Alex Faulkner¹, Adam Benham², Edward Okello¹, Alex Charlton¹, Miguel Velazquez¹

¹Newcastle University, Newcastle Upon Tyne, United Kingdom. ²Durham University, Durham, United Kingdom

PW 3.3 (132) Oocyte Combined With Sperm Feature Analysis Unravels Key Traits for Blastocyst Formation

Omar Paredes^{1,2}, Alejandro Chavez-Badiola¹, Isaac Aguilar Figueroa¹, Adolfo Flores-Saiffe Fariás¹, Gerardo Mendizabal Ruiz¹, Giles Palmer¹, Andrew Drakeley¹, Jacques Cohen¹

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PW 3.4 (149) S-metolachlor and Cypermethrin deregulate development, fertility parameters and offspring metabolism in mice

Loïse Serra, Claire Mikolajczak, Claire Chevalleyre, Christelle Ramé, Guillaume Bourdon, Joëlle Dupont, Pascal Froment
CNRS, IFCE, INRAE, Nouzilly, France

PW 3.5 (184) Reproductive tract microbiome and endometrial progesterone resistance in recurrent miscarriage patients

Marwah Bagabas¹, David MacIntyre¹, Yun Lee¹, Sherrienne Ng¹, Karen Grewal¹, Phillip Bennett¹, Joanne Muter², Joshua Odendaal², Siobhan Quenby², Jan Brosens²

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PW 3.6 (197) Three-dimensional assessment of the inner cell mass is more effective at predicting implantation and live birth than Gardner grading

Rufus Morgan^{1,2}, Chloe He^{3,2}, Céline Jacques⁴, Timothy Ferrand⁴, Thomas Fréour⁵, Jonas Malmsten⁶, Nikica Zaninovic⁶, Cristina Hickman^{1,2}

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PW 3.7 (265) Investigating parental chromatin reprogramming during fertilisation: Role of Histone H3.3 chaperon Hira complex

Chih-Jen Lin¹, Rowena Smith¹, Hao Ming², Michal Dvorak³, Andrej Susor³, Zhongliang Jiang²

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PW 3.8 (296) An audit of embryo mosaicism in an IVF unit

Daniela Obregon¹, Siobhan Sengupta¹, Anastasia Mania²

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PW 3.9 (304) The Guinea Pig: An alternative small animal model to study early human development

Jesica Canizo¹, Cheng Zhao², Savana Biondic¹, Katherine Vandal¹, Sophie Petropoulos^{1,2}

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PW 3.10 (321) Is embryo development affected by maternal consumption of a high-fat Western diet?

Najwa Alghamdi¹, Raheela Khan², Juan Hernandez-Medrano³, Hannah Morgan¹, Adam Watkins¹

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PW 3.11 (322) Cycle to cycle laboratory and clinical outcomes following the use of zymot sperm preparation

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PW 3.12 (362) Timing of key developmental stages and embryo implantation success in frozen embryo transfer (FET)

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PW 3.13 (47) The impact of blastomere spatial arrangement at the 4-cell stage on morphokinetics and clinical outcomes

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PW 3.14 (57) Clinical outcome for blastocysts beyond 132 hrs for fresh vs FTET (frozen thawed embryo transfer) in women less than 38-year-olds

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PW 3.15 (96) Should delayed ICSI be utilised during a PGT-M cycle to create extra blastocysts for biopsy?

Andrew Thomson^{1,2}, Bayan Houary¹, Shubhangi Gangal¹, Non Tidswell¹, Hannah Coffey^{1,2}, Lyndon Miles¹
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PW 3.16 (112) Identifying the optimal morphokinetic range for euploid embryos using an Artificial Intelligence (AI) based embryologist tool

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PW 3.17 (126) Open and closed vitrification carriers: An evaluation

Amy Sharpe
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PW 3.18 (273) Vaginal stenosis after uterus transplantation: Implications for embryo transfer and cervical biopsies

Benjamin Jones^{1,2,3}, Saaliha Vali^{2,3}, Srdjan Saso^{2,3}, Timothy Bracewell-Milnes^{1,3}, Meen-Yau Thum^{1,3}, James Nicopoulos^{1,3}, Isabel Quiroga⁴, J Richard Smith^{2,3}

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PW 3.19 (195) Embryonic signals regulate gene expression and cell function in the porcine trophoblast

Agnieszka Wacławik, Ewelina Goryszewska-Szczurek, Monika Baryla, Piotr Kaczynski
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PW4 OOCYTES AND OVARY

PW 4.1 (36) Effect of vasopressin injection technique on ovarian reserve during laparoscopic cystectomy of ovarian endometriomas: A systematic review and meta-analysis of randomized controlled trials

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PW 4.2 (94) Identification of ovarian cancer using In Silico-based analysis of the downregulated expressed miRNAs

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PW 4.3 (124) Embryologists' predictions do not improve an artificial intelligence (AI) tool's prediction of blastocyst development from mature (metaphase II, MII) oocytes when augmented in ensemble models

Natalie Mercuri, Sergey Corsac, Jullin Fjeldstad, Nadia Siddique, Isabel Puerta Vega, Dan Nayot
 Future Fertility, Toronto, Canada

PW 4.4 (146) The effect of clinical endometritis on bovine corpus luteum steroidogenic enzymes activity in vivo study

Zeravan A. Mohammed
 College of Veterinary Medicine/University of Duhok, Duhok, Iraq

PW 4.5 (157) Late maturing oocytes have a lower developmental potential when injected

Stephanie Engley, Txell Ferrer, Jo Craig, Jenny Watkins, Tim Child
 TFP Oxford Fertility, Oxford, United Kingdom

PW 4.6 (239) A novel approach to study the mirna profiles in granulosa cells and follicular fluid of women with reduced ovarian reserve: A computational analysis

Costanza Cimini¹, Angela Taraschi², Marina Ramal-Sanchez¹, Alessia Colosimo¹, Luca Valbonetti^{1,3}, Ramses Belda-Perez¹, Alessia Paradiso¹, Carlo Di Carlo¹, Seerat Maqsood¹, Giuseppe Martino¹, Nicola Bernabò¹, Barbara Barboni¹
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PW 4.7 (260) Assessing the impact of human serum on adherence of frozen pre-pubertal human ovarian cortical tissue in culture

Ava Harrison, Omar Ammar, Suzannah Williams

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PW 4.8 (371) Understanding the functional impact of modulating Luteinizing Hormone Receptor (LHR) oligomerisation in the murine ovary

Thomas Hopkins¹, Abigail Walker², Ruijuan Xu¹, Peter McCormick³, Aylin Hanyaloglu², Kim Jonas¹

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PW 4.9 (156) The relationship between ploidy status, morphology status and day of blastulation in frozen single embryo transfers

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PW 4.10 (67) Comparison of quality and morphokinetics of embryos created using vitrified versus fresh oocytes, matched for oocyte age and number

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PW 4.11 (60) Mechanical ovarian dissociation to obtain a single cell suspension as a base for oogonial stem cell isolation

Rita L. Sousa, Silke Andries, Michelle Van den Hauwe, Peter E. J. Bols, Ruth Appeltant

University of Antwerp, Antwerp, Belgium

PW 4.12 (78) The *in vitro* growth potential of preantral follicles from cultured ovine ovarian cortex

Laura Ball, Emily Darby, Jianping Lu, Helen Picton

University of Leeds, Leeds, United Kingdom

PW 4.13 (130) The impact of bisphenol A on *in vitro* feline oocyte nuclear maturation and cumulus cell health and expansion

Elle Le Duc, Ali Fouladi-Nastha

Royal Veterinary College, London, United Kingdom

PW 4.14 (144) *In vitro* effects of irisin on bovine theca cell steroidogenesis and metabolism in low insulin culture conditions

*Mathilde Daudon^{1,2}, Christelle Ramé², Anthony Estienne¹, Joëlle Dupont^{*2}, Christopher A. Price^{*1}*

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PW 4.15 (164) Cytoarchitectural differences in reproductive organs of some Polycystic ovary-like induced animal models

Eniola Risikat Kadir, Abdulmalik Hussein, Abdulmumin Ibrahim

University of Ilorin, Ilorin, Nigeria

PW 4.16 (205) Prokineticin 1 and its receptor expression is upregulated in the porcine luteum by estradiol and prostaglandin E2 *in vivo*

Monika Baryla, Piotr Kaczynski, Ewelina Goryszewska-Szczurek, Agnieszka Wacławik

Institute of Animal Reproduction and Food Research of the Polish Academy of Sciences, Olsztyn, Poland

PW 4.17 (243) Time for policy change? Study shows that 90.3% of Scottish women believe oocyte cryo-preservation eligibility criteria are unfair

Kirstin Baillie, Federica Lopes

University of Dundee, Dundee, United Kingdom

PW 4.18 (277) The effect of FSH dose on survival and growth of sheep ovarian follicles during *in vitro* culture

Vlastimil Srsen, Johanne Grosbois, Evelyn E Telfer

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PW5 PSYCHOSOCIAL AND OTHER**PW5.1 (4) Holding the gate shut? How GPs' understanding of the NICE Guideline may be a barrier to accessing IVF treatment**

Sarah Norcross

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PW5.2 (26) Zero sperm count and biological fatherhood: elevating the experiences of men with non-obstructive azoospermia

Katya Kruglova

School of Health and Human Performance, Dalhousie University, Halifax, Canada

PW5.3 (51) Factors influencing men's attitudes and behaviours regarding family building decisions: a systematic review and global perspective

Ece Emin, Jennifer Hall, Grace Bola

University College London, London, United Kingdom

PW5.4 (68) A systematic review of the factors influencing black maternal mortality in the United Kingdom

Simisola Onanuga¹, Teniola Saraki¹, Bola Grace², Mandish Dhanjal³, Richard Pinder¹

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PW5.5 (113) Male broodiness: is it a thing? An exploration of men's desire for fatherhood

Robin Hadley

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PW5.6 (186) Gym lifestyle factors and male reproductive health: a study into young adult usage and perceptions

Alice Newman-Sanders¹, Jackson Kirkman-Brown¹, Meurig Gallagher²

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PW5.7 (238) Transparency to the patient: improving patient experience, engagement and understanding by granting them real-time access to embryo culture videos.

Chiranjeev Bhatia¹, Sareena Sharma¹, Alpesh Doshi¹, Yael Kfir², Alexa Zepeda², Elinor schmorak², Cristina Hickman²

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PW5.8 (251) Fertility preservation before cancer treatment: evaluating the experience of young patients and their families

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PW5.9 (315) Menstrual Pain Related Endometriosis and Infertility: Addressing Knowledge and Attitude of Indonesian Health Care Background Society Women

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PW5.10 (41) Seeping of liquid nitrogen into screw cap plastic vials containing sperm units is not common

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PW5.11 (226) The effect of smoking and vaping on hormonal ovarian reserve markers in women of reproductive age in the United Kingdom

Brid Ní Dhonnabháin¹, Ruby Relton², Sofia Rodrigues Vaz¹, Tharni Vasavan², Natalie Getreu^{1,3}, Helen C. O'Neill^{3,1}

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PW5.12 (10) Supportive therapeutic interventions with children born through Donor Conception & Surrogacy [DC&S] and their families. Should these be more widely available?

Sharon Pettle

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PW5.13 (64) Diagnostic tests, how acceptable are they to the general public?

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PW5.14 (100) What do the general public know about infertility and its treatment?

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PW5.15 (313) How much do the general population know regarding the menstrual cycle and conception?

Ciara Hamilton¹, Jessica Taylor¹, Dharani Hapangama^{1,2}, Nicola Tempest^{1,2,3}

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PW5.16 (104) Menstruation as a form of natural abortion; why the purpose of periods is personally, politically, and clinically important

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PW5.17 (213) To ICSI or not to ICSI late mature oocytes

Christina Michailidou-Ahmed

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PW5.18 (246) Pre-implantation genetic testing outcomes following the re-biopsy of 'no result' blastocysts

Stephanie Engley, Jo Craig, Jenny Watkins, Tim Child

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PW5.19 (93) I cannot believe it's not a real embryo: can embryologists tell the difference between synthetic and real embryo images?

Lilly Lees¹, Chloe He^{1,2}, Céline Jacques³, Timothy Ferrand³, Jérôme Chambost³, Thomas Fréour⁴, Koen Wouters⁵, Jonas Malmsten⁶, Nikica Zaninovic⁶, Cristina Hickman^{1,7}

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PW6 SPERM AND TESTES**PW6.1 (28) Investigating the importance of glycolysis during human sperm capacitation using ¹³C-Nuclear Magnetic Resonance**

Zara Graham, Evie Gruszyk, Steven Reynolds

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PW6.2 (63) Examining the relationship between hyaluronan binding and sperm motility: A comparative analysis of embryologist-guided and AI-assisted sperm selection method

Kimberley Hill¹, Giles Anthony Palmer^{2,3,4}, Omar Paredes^{3,5}, Andrew Drakeley^{3,6}, Alejandro Chavez Badiola^{3,7,8}, Jacques Cohen^{2,3,8,9}, Stuart Lavery¹, Xavier Viñals Gonzalez^{1,10}

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PW6.3 (97) Generating a three-dimensional organoid culture model to study SSC maintenance and spermatogenesis *in vitro*.

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PW6.4 106 Are concentration and motility all you need?

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PW6.5 (121) The influence of small supernumerary marker chromosomes (sSMC)15 on male primary infertility: A case study

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PW6.6 (166) Development of a new method for sperm vitrification

Sara Ruiz-Díaz¹, Carlos Osuna², Raquela Pandolfi³, Gonzalo Dominguez de Miguel³, Carolina Cordero³, Carmen Rodríguez-Roque³, Alvaro Almoyna³, Carolina Andrés³, José A. Horcadas⁴, Susana Cortés³

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PW6.7 (188) Hormonal measurements in male partners of sub-fertile couples and their effect on sperm parameters

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