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Date of Certification: November 2019
Approval code: UAC019R00023
It is my great pleasure to welcome you all to the historical and beautiful city of Edinburgh as well as to the International Conference Centre for Fertility 2020. This is the 13th joint Fertility meeting organised by the Society for Reproduction and Fertility (SRF), the British Fertility Society (BFS) and the Association of Clinical Embryologists (ACE). The theme for Fertility 2020 is the highly topical area of “Reproduction in a changing World”. Indeed, we have organised an exciting programme and international platform to present and discuss current global, environmental, sociological and technological perspectives on this critically important issue. The unique feature of the joint fertility society conferences is that we ensure that the programme has great appeal to scientists, clinicians, embryologists, nurses and counsellors. I hope you will agree there is something for everyone.

The conference includes three eponymous lectures: Anne McLaren Memorial Lecture, the Patrick Steptoe Memorial Lecture and the Bob Edwards Memorial Lecture. These, together with the update sessions, will allow renowned experts to present their latest data in a wide range of topics of interest to delegates.

Fertility 2020 is set to be the most successful yet, having an unprecedented number of abstract submissions and delegates registered. Consequently, competition to present in the parallel, short oral communication sessions was immense. We are also in the fortunate position to have a large number of high quality abstracts presented during the poster sessions and we encourage all delegates to take some time to read this excellent work.

The social events are an integral part of Fertility 2020 providing delegates with an excellent opportunity to network and discuss science. Please join us for the welcome wine reception on the Thursday evening and on the Friday the conference dinner will be at the Conference Centre followed by an opportunity to dance to traditional Ceilidh music! An important part of the meeting is the prize giving and this will take place in the last session on Saturday rather than during the conference dinner. We hope you will come and support our prize winners and listen to our inspirational final speaker of the conference.

It has been an honour to Chair the Programme committee for Fertility 2020 and the quality of the scientific programme reflects the outstanding and diligent work carried out by the representatives of all three societies. I would also like to take this opportunity to thank the Conference secretariat, Profile Productions and the many sponsors and exhibitors that make the conference a success. It only remains for me to wish you all an enjoyable and scientifically rewarding Fertility 2020 conference.

Richard Lea
Programme Chair, Society for Reproduction and Fertility, UK
## SCIENTIFIC PROGRAMME

### Wednesday 8 January  SRF SATELLITE DAY

<table>
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<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>13.00</td>
<td>Early registration opens, refreshments</td>
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<tr>
<td></td>
<td>• Behind the scenes of Reproduction Journal</td>
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<td>• Getting your paper into the best Journal</td>
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<td>• Thinking about impact</td>
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<td>• Interview panel with academics</td>
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<tr>
<td>15.10-16.25</td>
<td>SRF Post Doctoral Prize Session</td>
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<tr>
<td>15.10</td>
<td>TGFβ/SMAD Signaling regulates granulosa cell proliferation and TZP generation during early follicular development - Sofia Grandanos Aparici, McGill University, Montreal, Canada</td>
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<tr>
<td>15.25</td>
<td>Differential follicle stimulating hormone glycosylation modulates follicle growth and survival rates - Gillian Johnson, Kings College London, UK</td>
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<tr>
<td>15.40</td>
<td>Exploration of Chemerin System in Human Granulosa Cells: involvement in Polycystic Ovarian Syndrome - Anthony Estienne, Centre Val de Loire, France</td>
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<tr>
<td>15.55</td>
<td>Aberrant Igf2-H19 expression in the placental endocrine zone increases the susceptibility of the mother to poor metabolic health - Jorge Lopez-Tello, University of Cambridge, UK</td>
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<tr>
<td>16.10</td>
<td>The impact of paternal diet on male reproductive physiology and fetal development in mice - Hannah L Morgan, University of Nottingham, UK</td>
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<tr>
<td>16.25-16.45</td>
<td>Refreshments and comfort break</td>
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<tr>
<td>16.45-17.15</td>
<td>SRF Prize Lectures - Avinash Gaikwad, PhD Student, School of Biological Sciences, Monash University, Australia</td>
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<tr>
<td>17.15-17.45</td>
<td>SRF/SSR New Investigator Lecture: The aging ovarian microenvironment: stromal fibrosis, inflammation, and the hyaluronan matrix - Francesca E. Duncan, PhD, Northwestern University, Chicago, USA</td>
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<tr>
<td>17.45-18.15</td>
<td>SRF/SSR New Investigator Lecture UK: Mechanisms of endometrial repair and regeneration - Douglas Gibson, Postdoctoral Research Fellow, University of Edinburgh, UK</td>
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<tr>
<td>18.15-18.45</td>
<td>Reproduction Journal Prize Lecture: Long-term exposure to very low doses of bisphenol S affects female reproduction - Jan Nevoral, Biomedical Center, Faculty of Medicine in Pilsen, Czech Republic</td>
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<tr>
<td>19.00</td>
<td>Evening programme</td>
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### Thursday 9 January  Global and Environmental

<table>
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<tr>
<th>Time</th>
<th>Event</th>
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<tr>
<td>08.15</td>
<td>Registration, refreshments, exhibition and poster viewing</td>
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<tr>
<td>09.35</td>
<td>OPENING PLENARY SESSION 1 - Richard Lea, Reader in Reproductive Biology, School of Veterinary Medicine, Nottingham University Hospital, UK</td>
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<tr>
<td>09.40</td>
<td>Fertility and reproduction: recent trends and uncertain future - Tomas Sobotka, Research Group Leader (Fertility and Family), Vienna Institute of Demography, Austria</td>
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<tr>
<td>10.10</td>
<td>Where does reproductive science fit into “big picture” conservation - Bill Holt, Visiting Professor, Academic Unit of Reproductive and Developmental Medicine, University of Sheffield, UK</td>
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<tr>
<td>10.40</td>
<td>Ecotoxicology in the Arctic: One health one fertility - Christian Sonne, Professor of Wildlife Population Health, Aarhus University, Denmark</td>
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<tr>
<td>11.10</td>
<td>Refreshments and exhibition</td>
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<tr>
<td></td>
<td>Attended poster presentations and poster judging, odd numbers</td>
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</table>
11.15  |  Cooper Surgical – Novel strategies to prevent miscarriage  - Scott Nelson, Muirhead Chair in Obstetrics and Gynaecology, University of Glasgow
11.40  |  IVF simulator educational training session: ovum collection  - Saeed Khan, Consultant Business Manager, Gedeon Richter UK LTD

12.10  |  Anne McLaren Memorial Lecture  
- Chair: Colin Duncan, Chair, SRF, UK  
- Placentation: The platform for life-long health  - Graham J Burton, Mary Marshall and Arthur Walton  
- Department of Physiology, Development and Neuroscience, University of Cambridge, UK

13.00  |  Lunch, exhibition and poster viewing
13.00  |  Fertility preservation SIG meeting
13.35  |  DEMO ZONES  
- Cooper Surgical – Implementing RI Witness RFID in CARE Fertility  - Louise Best, Group Embryologist  
- Support and Improvement Lead, CARE Fertility

14.00  |  PARALLEL SHORT PAPER SESSIONS 1

SP1A  |  ACE PRE-REG SHORT PAPERS JEAN PURDY PRIZE  
- Chairs: Ellen Armstrong & Amy Sharpe, ACE Executive members

14.00  |  Exploring the follicular steroid metabolome  - Jemma Walker, Pre-Registrant Embryologist, Birmingham Women’s & Children’s NHS Foundation Trust, UK
14.15  |  Ex vivo oocyte retrieval following controlled ovarian hyperstimulation at the time of bilateral salpingo-oophorectomy  - Amy Cohen, Trainee Embryologist, Wolfson Fertility Centre, London, UK
14.30  |  An analysis of lifestyle factors which may influence sperm maturity levels  - Hayley Fryer, Trainee Embryologist, Herts and Essex Fertility Centre, UK
14.45  |  Blastocyst quality is compromised in embryos presenting longer duration of compaction and direct cleavage  - Patricia Fadon, Embryologist, Thames Valley Fertility, UK
15.00  |  Investigating the effects of open and closed vitrification devices on mitochondria in human oocytes  - Rachel Howard, Clinical Embryologist, Manchester University NHS Foundation Trust, UK
15.15  |  Obstetric outcomes following donor egg IVF  - Beth Halley, Specialty Registrar, Assisted Conception Unit, Doncaster Royal Infirmary, UK

SP1B  |  BFS YOUNG CLINICIAN SHORT PAPERS  
- Chairs: Stuart Lavery, Consultant in Gynaecology, Reproductive Medicine and Surgery and Director of IVF Unit, Imperial College Healthcare, UK and Alison Richardson, Sub-specialty Trainee, Leeds Fertility Clinic, UK

14.00  |  Reproductive and perinatal outcomes using cryopreserved oocytes: an analysis of the HFEA database from 2010 to 2016 using three clinical models  - Mariano Mascarenhas, Clinical Fellow, Leeds Fertility, UK
14.15  |  Metabolic profiling to identify potential targets to improve the ovarian reserve  - Karem Alrashid, PhD Student, University of Glasgow, UK
14.30  |  Agonist trigger does not confer a disadvantage in cycles where supraphysiological estradiol levels are reached  - Linda Farahani, Clinical Research Fellow, Imperial College Healthcare NHS Trust, UK
14.45  |  Kisspeptin and neurokinin B interactions in modulating gonadotropin secretion in women with PCOS  - Karolina Skorupskaite, Doctor, University of Edinburgh, UK
15.00  |  Effect of transfer of a poor quality embryo along with a top quality embryo on the outcome during fresh and frozen in vitro fertilization cycles  - Sam Dobson, Subspecialty Trainee in Reproductive Medicine and Surgery, Jessop Wing, Sheffield, UK
15.15  |  ICSI does not increase the odds of adverse perinatal outcomes in the absence of male factor subfertility: analysis of 131,686 singleton live births  - Prasanna Supramaniam, Subspecialist in Reproductive Medicine and Surgery, Oxford University Hospitals NHS Foundation Trust, UK

SPIC  |  PSYCHOSOCIAL ASPECTS AND BFS NURSE PRIZE*  
- Chairs: Debbie Evans, Director of Clinical Services, Herts & Essex Fertility Centre, UK & Jane Mutch, Matron, The Hewitt Fertility Centre, UK

14.00  |  Analysis of 7810 consecutive counselling sessions: Deploying online technologies to improve access to care in a multi-location clinical setting  - Tracey Sainsbury, Senior Fertility Counsellor, London Women’s Clinic, UK
14.15  |  Mental health aspects related to male infertility - are men being overlooked?  - Anastasia Martin, Student, MRC Centre for Transplantation, King’s College London, UK
14.30  |  *Oestradiol concentrations at the time of triggering in Letrozole-IUI cycles are predictive of subsequent clinical pregnancy  - Pat Ambrose, Clinical Care Manager, GCRM Fertility, UK
14.45  |  *UK fertility clinics need to improve emotional support to patients undergoing IVF treatment  - Lucy Beaumont, Senior Fertility Nurse, Apricity, UK
15.00  |  *Enhancing the patient treatment experience and improving communication and adherence by means of a digital platform  - Kirsty-Lee Wright, Deputy Nurse Manager, The Centre for Reproductive and Genetic Health, UK
SRF PHD STUDENT PRIZE

Chairs: Bob Robinson, Assistant Professor in Reproductive Physiology and Pharmacology, University of Nottingham, UK & Amanda Sferruzzi-Perri, Lecturer in Physiology, University of Cambridge, UK

Oocytes mount a delayed DNA damage response involving APC-Cdc1 mediates proteolysis - Goutham Narayan Subramanian, PhD Student, University of Queensland, Australia

Metabolic analysis of mouse embryos to assess the impact of culture using uterine cell-conditioned media in a microfluidic device - Vanessa Mancini, PhD Student, University of Leeds, UK

Methionine, one-carbon metabolism and bovine preimplantation embryo development - Constance Clare, PhD Student, The University of Nottingham, UK

The effect of age on oocyte energy metabolism and mitochondrial activity and copy number in sheep oocytes, cumulus cells and peripheral blood - Keerthi Gnanaprabha, PhD Student, University of Leeds, UK

Evolutionary conserved conceptus-derived proteins CAPG and P4HB elicit a transcriptional response in human & bovine endometrial cells that may facilitate implantation - Haidee Tinning, PhD Student, University of Edinburgh, UK

Developmental programming of porcine muscle progenitor cell fate by foetal growth restriction (FGR) - Yennifer Cortes, PhD Student, The Roslin Institute, UK

Iwan Lewis Jones Prize

Chairs: Kevin McEleny, Consultant Urologist/Andrologist, Newcastle upon Tyne Hospitals, UK and Sheena E. M. Lewis, Emeritus Professor, Queen’s University Belfast, Northern Ireland, UK

Identification of the most clinically effective method for seminal round cell differentiation, the diagnosis of leukocytospermia, and its relationship with semen quality - Dimitra Apostolia Androni, Reproductive Technologist, Cambridge IVF, UK

Novel causes of 46XY DSD - The role of DHX37 in human fetal testis development - Gabrielle Matilionyte, PhD Student, University of Edinburgh, UK

HABSelect: Relationships between measures of sperm DNA integrity, baseline semen sample data and the trial’s clinical outcomes - David Miller, Reader in Molecular Andrology, University of Leeds, UK

The impact of vincristine treatment on prepubertal mouse testis - Caroline Allen, PhD Student, University of Edinburgh, UK

The relationship between P4 and PGE1 induced intracellular calcium increase in human sperm and correlation to IVF outcome - Morven Dean, PhD Student, University of Dundee, UK

Recovery of spermatogonial stem cells after in vitro exposure to chemotherapy drugs in a prepubertal mouse model - Federica Lopes, Postdoctoral Research Fellow, University of Edinburgh, UK

Exhibition, refreshments and poster viewing

Demo Zones

Cooper Surgical – How the PGTai 2.0 platform gives you greater clinical confidence in identifying euploid embryos for transfer - Tony Gordon, VP, Global Genomics Business Development, Cooper Surgical

UPF in a changing world: Emerging technologies and strategies for all

Chairs: Raj Mathur, Consultant Gynaecologist, Clinical Lead for Reproductive Medicine, St Mary’s Hospital, Manchester, UK and Ian Aird, Consultant Obstetrician and Gynaecologist, Gateshead Health NHS Foundation Trust, UK

Segmented IVF - time to rethink? - Abha Maheswari, Director, Aberdeen Fertility Centre, UK

Embryo-endometrial cross talk: How can we mediate the conversation? - Nick Macklon, Medical Director, London Women’s Clinic, Affiliate Professor, University of Copenhagen, Denmark

PGT for aneuploidies: An emerging technology for 25 years - Sebastien Mastenbroek, Assistant Professor, Center for Reproductive Medicine, University of Amsterdam, The Netherlands

Unlocking oocyte biology over 60 years - John Carroll, Director, Biomedicine Discovery Institute, Monash University, Australia

Environment determinants of the embryonic programme: Implications for parental nutrition and assisted reproduction - Kevin Sinclair, Professor of Developmental Biology, University of Nottingham, UK

Genetics of female infertility: Past, present and future - Karen Schindler, Associate Professor, Department of Genetics, Rutgers, The State University of New Jersey, USA

Understanding uterine function for fertility, food and health - Niamh Forde, University Academic Fellow of Genetics, Rutgers, The State University of New Jersey, USA

Emerging risks in embryology

Chairs: Virginia Bolton, Consultant Embryologist, Guy’s Hospital Assisted Conception Unit, UK and Adam Watkins, Assistant Professor in Reproductive Biology, University of Nottingham, UK

DOHaD work - Risk associated with extended culture - Peter Ruane, Research Fellow, University of Manchester, UK

Is misleading research the real risk to embryology? - Jack Wilkinson, Presidential Fellow, Centre for Biostatistics, University of Manchester, UK

Long term effects of ART: lessons from animal models - Pascale Chavatte-Palmer, Deputy Research Unit Director, French National Institute for Agricultural Research, INRA, Jouy en Josas, France
### Transgender

**Chair:** Helen Kendrew, Clinic Director, CARE Bath, UK  
**Fertility and reproductive issues for trans and non-binary people** - Lucy Evans, Endocrine Clinical Nurse Specialist, Tavistock & Portman Clinic, UK  
**Funding transgender fertility treatment** - James Barrett, Lead Clinician, Tavistock & Portman Clinic, UK  
**Human capital: Staff training and support in this changing world** - Debbie Evans, Director of Clinical Services, Herts & Essex Fertility Centre, UK

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| 17.50 - 19.00 | Welcome wine reception in exhibition  
Opportunity to meet with poster presenters |
| 18.15    | Merck Symposium  
**Controlled ovarian stimulation and personalisation, what are the options** - Nick Raine-Fenning, Medical Director, Nurture Fertility, UK & Robert Fischer, Reproductive Endocrinologist, Medical Director, MVZ Fertility Center Hamburg, Germany |
### SCIENTIFIC PROGRAMME

#### Friday 10 January

**Sociological**

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<th>Time</th>
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<tr>
<td>07.45</td>
<td>Registration, refreshments, exhibition and poster viewing</td>
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| 07.50-08.05 | **Guerbert Symposium**  
Anne Hemingway, Imperial College NHS Trust, London, UK, Velja Mijatovic, Amsterdam University Medical Centre, The Netherlands and Colin Duncan, The University of Edinburgh, UK |
| 09.00  | **PLENARY SESSION 2**  
Chair: Karen Schnauffer, Programme Chair, Association of Clinical Embryologists, UK  
Elective egg freezing: Socio-demographic factors underlying an emerging global trend - Marcia Inhorn, Professor of Anthropology and International Affairs, Council on Middle East Studies, Yale University, USA  
New ways to grow a human - Philip Ball, former Editor of Nature, Science Writer, UK  
DNA testing fallout. The end of donor anonymity? - Guido Pennings, Professor, Faculty of Medicine and Pharmaceutical Sciences, Free University Brussels, Belgium |
| 10.30  | Refreshments and exhibition  
Attended poster presentations and poster judging, even numbers                                                                                     |
| 10.35  | **DEMO ZONE**  
Cooper Surgical – Implementing RI Witness RFID in CARE Fertility - Louise Best, Group Embryology Support and Improvement Lead, CARE Fertility  
Gedeon – IVF simulator educational training session: guided embryo transfer - Saeed Kahn, Consultant Business Manager, Gedeon Richter UK LTD |
| 11.00  | The Patrick Steptoe Memorial Lecture  
Chairs: Jane Stewart, Consultant in Reproductive Medicine and Gynaecology, The Newcastle upon Tyne Hospitals and Chair of the British Fertility Society  
Tim’rous beastsies an’ fellow-mortals: Reproductive technologies in the 21st century - Andy Greenfield, Programme Leader, MRC Harwell Institute, Cambridge, UK  
Association of Reproductive and Clinical Scientists (ARCS) AGM (Incorporating last ACE AGM)  
Society for Reproduction and Fertility AGM including the Marshall Medal - Professor Marilyn Renfree, Australia  
British Fertility Society AGM |
| 13.20  | Lunch, exhibition and poster presentations viewing                                                                                               |
| 14.00  | **DEMO ZONE**  
Cooper Surgical – How the PGTai 2.0 platform gives you greater clinical confidence in identifying euploid embryos for transfer - Tony Gordon, VP, Global Genomics Business Development, CooperSurgical |
| 14.20  | **PARALLEL SHORT PAPER SESSIONS 2**  
**SP2A**  
ACE POST REG SHORT PAPERS  
Chairs: Jason Kasraie, Shrewsbury & George Hughes, Glasgow Royal, ACE Executive members  
Developing an IVF/ICSI success prediction test based on the vaginal microbiome - Jonathan de Jonge, Chief Operating Officer, ARTPred, Netherlands  
Volatile organic compounds: Does CE marking fail the smell test? - Sophie Jaques, Senior Clinical Embryologist, Hewitt Fertility Centre Knutsford, UK  
Cell fusion in the preimplantation human embryo is not associated with a significantly decreased live birth rate - Natalie Davis, Senior Embryologist, CARE Fertility Northampton, UK  
The Geri time-lapse incubator significantly improves multiple IVF laboratory outcomes compared to conventional benchtop incubation - Andrew Thomson, Laboratory Manager, London Women’s Clinic Wales and Bristol, UK  
Optimising FET outcome: The effect of post-warm blastocyst re-expansion and time to embryo transfer - Rebecca King, Embryologist, Wales Fertility Institute, UK  
ACE/SIRT Exchange prize: Filaments: An investigation and characterisation of the novel observation of filaments produced during the first mitotic division - Casey Dean, Embryologist, Number One Fertility, Melbourne, Australia |
**SP2B**

**ASSISTED CONCEPTION**

Chair: Harish Bhandari, Consultant Gynaecologist and Subspecialist in Reproductive Medicine and Surgery, Leeds Teaching Hospitals NHS Trust

14.20 How is the chance of having at least one baby following fresh ET affected by the number of mature eggs collected for each patient age cohort? - Mara Kotrotsou, Consultant in Reproductive Medicine, Apricity, UK

14.35 Higher ongoing pregnancy rates when blastocysts with excluded cells are transferred in frozen compared to fresh cycles - Jennifer Nisbett, Senior Clinical Embryologist, Bristol Centre for Reproductive Medicine, UK

14.50 Ovarian hyperstimulation syndrome - an underreported complication? - Hannah Rosen O’Sullivan, Obstetrics and Gynaecology ST2, St Heiler Hospital, UK

15.05 Elective freeze all (segmentation) results in higher clinical pregnancy rates in women with high AMH - Marco Gaudoin, Medical Director, GCRM Fertility, UK

15.20 Endometrial assessment and personalised plan in the treatment of unexplained repeated embryo implantation failure: one-year experience - Mona Rahmati, Consultant in Reproductive Medicine, London Women’s Clinic, UK

15.35 Protective effects of omega-3 fatty acids on cyclophosphamide induced fertility alterations - Emmanuel Nnamonu, Lecturer, Federal College of Education, Eha-Amufu, Enugu State Nigeria

**SP2C**

**FEMALE REPRODUCTIVE TRACT**

Chairs: Amanda de Mestre, Reader in Reproductive Immunology, RVC, London, UK and Nick Wheelhouse, Lecturer in Microbiology, Edinburgh Napier University, UK

14.20 Dynamic properties of endometrial macrophages regulate tissue homeostasis in the uterus - Elizabeth Mann, Research Fellow, University of Manchester, UK

14.35 Can we detect endometrial markers of hypoxia in women using Magnetic Resonance Imaging (MRI) to improve management of heavy menstrual bleeding (HMB)? - Jane Reavey, MD Student, MRC Centre for Reproductive Health, University of Edinburgh, UK

14.50 The role of GW4869 in extracellular vesicles (EVs) biogenesis and its effect on embryo-endometrial implantation - Norhayati binti Lqiat Ali Khan, PhD Student, Academic Unit of Reproductive and Developmental Medicine Department of Oncology & Metabolism, Sheffield, UK

15.05 Anterior gradient protein 3 in the reproductive tract and fertility - Nicola Tempest, Clinical Research Fellow, Liverpool Women’s Hospital, UK

15.20 Tight junction decoupling from actomyosin in receptive endometrial epithelium is regulated by protein O-GlcNAcylation - Eva Shelmerdine, SRF Vacation Scholarship Recipient, Faculty of Biology Medicine and Health, University of Manchester, UK

15.35 Cystic ovary disease (COD) impairs functional morphology of the bovine oviduct - Deidre Scully, Anatomy Teaching Fellow, University College Dublin, Ireland

**SP2D**

**EMBRYO DEVELOPMENT**

Chairs: Kevin Sinclair, Professor of Developmental Biology, University of Nottingham, UK and Richard Lea, Reader in Reproductive Biology, School of Veterinary Medicine, Nottingham University Hospital, UK

14.20 Cytokinesis in early mouse embryo - Filip Vasilev, Postdoc, Centre de Recherche du Centre Hospitalier de l’Université de Montréal (CRCHUM), Canada

14.35 The metabolic and developmental impact of microfluidic culture on preimplantation bovine embryo development invitro - Paul McKeegan, Lecturer in Human Physiology, Hull York Medical School, UK

14.50 Effects of different infra-red laser-assisted hatching (LAH) protocols on pre-implantation mouse embryos and embryo attachment - Yaqiong Liu, PhD Student, University of Oxford, UK

15.05 Sex sorting of bovine sperm leads to compromised development of the early embryo - Heather Steele, PhD Student, University College Dublin, Ireland

15.20 Ranking Intelligence Classification Algorithm (ERICA): a deep learning-based clinical assistant for blastocysts selection - Andrew Drakeley, Clinical Director, Hewitt Centre, Liverpool, UK

15.35 Non-invasive chromosome screening reveals high concordance rate when using MALBAC technique for whole genome amplification for preimplantation genetic testing for aneuploidies - Xavier Viñals Gonzalez, Senior Clinical Embryologist, The Centre for Reproductive and Genetic Health, UK

**SP2E**

**OVARY & FOLLICULOGENESIS**

Chairs: Suzannah Williams, Lead for Oxford Future Fertility Trust, University of Oxford, UK and Nick Raine Fenning, Medical Director, Nurture Fertility, UK

14.20 Ovarian INSL3 acts as a feedforward drive promoting the growth and steroidogenesis of healthy antral follicles - Ravinder Anand-Ivell, Associate Professor Endocrinology and Reproductive Physiology, University of Nottingham, UK

14.35 The role of vascular androgen receptors in both follicle development and ovarian hyperstimulation syndrome - Joanne Murray, Senior Lecturer, University of Edinburgh, UK

14.50 Does basal antral follicle count correlate with number of oocytes collected - Dimitrios Mavrelou, Consultant, Reproductive Medicine Unit, UCL, UK

15.05 NLRP3 inflammasome activation in low ovarian reserve patients - Carolina Andrew, Clinica Tambre, Spain

15.20 The effect of Junctional zone Igf-2 deletion on the reproductive function of female offspring - John Louca, Student, Cambridge University, UK

15.35 Unravelling the naked mole rat ovary: a comparison between the queen and the worker - Yvonne Clarkson, Postdoctoral Research Associate, The University of Edinburgh, UK
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<tr>
<td>15.50</td>
<td>Exhibition, refreshments and poster viewing</td>
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<td>15.55</td>
<td><strong>DEMO ZONE</strong>&lt;br&gt;Cooper Surgical – Novel strategies to prevent miscarriage - Scott Nelson, Muirhead Chair in Obstetrics and Gynaecology, University of Glasgow</td>
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<td>16.00-18.00</td>
<td><strong>UPDATE SESSION 2</strong>&lt;br&gt;&lt;br&gt;<strong>Luteal phase support</strong>&lt;br&gt;Chair: Ian Aird, Consultant Obstetrician and Gynaecologist, Gateshead Health NHS Foundation Trust, UK&lt;br&gt;Physiology of the corpus luteum: The science of luteal support - Colin Duncan, Professor of Reproductive Medicine and Science, MRC Centre for Reproductive Health, The University of Edinburgh, UK&lt;br&gt;What's new in luteal support - Mostafa Metwally, Consultant Gynaecologist and Subspecialist in Reproductive Medicine and Surgery, Jessop Wing, Royal Hallamshire Hospital, Sheffield, UK&lt;br&gt;Progesterone for prevention of miscarriage - Arri Coomarasamy, Professor of Gynaecology, Institute of Metabolism and Systems Research, University of Birmingham, UK</td>
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<td>15.55</td>
<td><strong>Environmental impact on reproduction</strong>&lt;br&gt;Chair: Adam Watkins, Assistant Professor in Reproductive Biology, Faculty of Medicine &amp; Health Sciences, The University of Nottingham and Rebecca Sumner, Lecturer in Equine Science, Hartpury University, UK&lt;br&gt;Reproductive function in a polluted world: Lessons from animal models - Richard Lea, Reader in Reproductive Biology, School of Veterinary Medicine, University of Nottingham, Sutton Bonington Campus, UK&lt;br&gt;Endocrine disruptors, pregnancy and birth outcomes - Vasantha Padmanabhan, Professor, Departments of Pediatrics; Obstetrics &amp; Gynecology, University of Michigan, USA&lt;br&gt;The influence of a hyperandrogenic environment in early life and susceptibility to adult disease - Kirsty Walters, Senior Lecturer, Ovarian Biology Laboratory, University of New South Wales Sydney, Australia</td>
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<td>15.55</td>
<td><strong>Emerging techniques and technologies</strong>&lt;br&gt;Chair: Rebecca Swann, Clinical Embryologist, The Evewell, UK and Karen Thompson, Lead Embryologist, Leeds Fertility, UK&lt;br&gt;Artificial Intelligence and machine learning - for embryo selection - Marcos Meseguer, Senior Embryologist, IVI Valencia, Spain&lt;br&gt;Microfluidics for assisted reproductive technologies - Séverine Le Gac, Professor, University of Twente, Netherlands&lt;br&gt;Human spermbots for cancer-relevant drug delivery - Christine Schmidt, BBSRC David Phillips Fellow, Division of Cancer Sciences, The University of Manchester, UK</td>
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<td>15.55</td>
<td><strong>Surrogacy update</strong>&lt;br&gt;Chair: Debbie Evans, Director of Clinical Services, Herts &amp; Essex Fertility Centre, UK&lt;br&gt;The surrogacy journey - Sarah Templeman, Nurse Manager, Herts &amp; Essex Fertility Centre, UK&lt;br&gt;Surrogacy: The law and the practicalities for UK parents - Helen Prosser, Brilliant Beginnings, UK and Natalie Gamble, NGA Law, UK&lt;br&gt;Single parent surrogacy - Francesca Steyn, Head of Nursing, The Centre for Reproductive and Genetic Health, London, UK</td>
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<td>19.30</td>
<td>Conference dinner and Ceilidh</td>
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Saturday 11 January  Technological

8.30  Registration, exhibition, refreshments and poster viewing

09.00  PLENARY SESSION 3
Chair: Ian Aird, Consultant Obstetrician and Gynaecologist, Gateshead Health NHS Foundation Trust
The feasibility and associated risks of germline editing - Ben Davies, Associate Professor, Wellcome Centre for Human Genetics, University of Oxford, UK
09.30  Microbiomes, reproductive health and fertility - Jacques Ravel, Professor of Microbiology, University of Maryland, USA
10.00  FNUK update - Glenda Burns, Chief Executive, Fertility Network

10.10  Bob Edwards Memorial Lecture
Chair: Jason Kasraie, Consultant Clinical Embryologist & Andrologist, The Shropshire and Mid Wales Fertility Centre, UK
Reproductive Scientists - the good, the bad and the ugly - Steve Troup, President, Association of Clinical Embryologists, UK

11.00  Exhibition and refreshments

11.30-12.30  PARALLEL SHORT PAPER SESSIONS 3

SP3A  OOCYTES, EMBRYOS AND IMPLANTATION FAILURE
Chairs: Mostafa Metwally, Consultant Gynaecologist and Subspecialist in Reproductive Medicine and Surgery, Jessop Wing, Royal Hallamshire Hospital, UK and Marta Jansa Perez, Director of Embryology, British Pregnancy Advisory Service, UK
11.30  BFS FSA EXCHANGE PRIZE Differences in 2-cell and 4-cell embryo quality in relation to sperm developmental status as assessed by time-lapse technology - Hassan Bakos, Scientific Director NSW, Monash IVF, Australia
11.45  Live birth and perinatal outcomes in Recurrent Implantation Failure: an analysis of 1,376,454 cycles from the Human Fertilisation and Embryology Authority database spanning 1991 to 2016 - William Smith, Clinical Research Fellow, Leeds Fertility, UK
12.00  The ovaries of transmen indicate effects of testosterone on the primordial follicle pool - Emily Bailie, Clinical Research Fellow, University of Edinburgh, UK
12.15  Do androgens and other reproductive hormones influence protein production in an endometrial cell line and therefore have an effect on embryonic implantation in relation to Polycystic Ovary Syndrome - Chloe Elliott, MRes Student, Edgehill University, UK

SP3B  ENVIRONMENTAL INFLUENCES ON METABOLIC AND REPRODUCTIVE HEALTH
Chair: Doug Gibson, Postdoctoral Research Fellow, University of Edinburgh, UK and Vasantha Padmanabhan, Professor, University of Michigan, USA
11.30  Male liver dysfunction as a consequence of prenatal androgen excess - Jennifer Thomas, PhD Student, Edinburgh Napier, UK
11.45  Placenta endocrine malfunction programmes adult offspring metabolic health in a sex-dependent fashion - Efthimia Christoforou, Student, University of Cambridge, UK
12.00  Assessing the impact of paternal diet on testicular morphology and gene expression in mice - Nader Eid, PhD Candidate, University of Nottingham, UK
12.15  Effect of environment and diet on semen quality in man and canines - David Gardner, Professor of Physiology, University of Nottingham, UK

SP3C  EMBRYONIC DEVELOPMENT AND METABOLISM
Chair: Karen Thompson, Lead Embryologist, Leeds Fertility, UK
11.30  Changes in metabolic profiles of blood plasma and blastocyst cavity fluid in response to maternal diabetes during early pregnancy - Maria Schindler, PostDoc, Institute of Anatomy and Cell Biology, Halle, Germany
11.45  Embryo Aneuploidy screening in inner-cell mass and trophectoderm lineages of bovine blastocysts derived from stimulated and non-stimulated ovarian cycles - Kevin Sinclair, Professor of Developmental Biology, University of Nottingham
12.00  Minimising miscarriage in ART: IVF or ICSI-derived euploid blastocysts - Zoya Enakshi Ali, Student, University College London, UK
12.15  Hyaluronidase-2 changes morphokinetics of in vitro cultured bovine embryos - Ali Fouladi-Nashta, Royal Veterinary College, London, UK
### SCIENTIFIC PROGRAMME

**SP3D**
**REPRODUCTIVE ENDOCRINOLOGY**
Chair: David Miller, Reader in Molecular Andrology, University of Leeds, UK

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>11.30</td>
<td>Immunological stress during development might delay pubertal onset through altering gene regulation in GnRH-neurons</td>
<td>Sarai Keestra, Student, University of Oxford, UK</td>
</tr>
<tr>
<td>11.45</td>
<td>Plasma profile of follicle-stimulating hormone after a single epidural administration via caudal vertebrae in cattle</td>
<td>Kenichiro Sakaguchi, Sponsored Researcher, Institute of Cell Biology and Genes and Development Group, The University of Edinburgh, UK</td>
</tr>
<tr>
<td>12.00</td>
<td>The effects of FSHR positive allosteric modulator on FSH dependent FSHR homomerisation and signal pathway activation</td>
<td>Uche Agwuogbo, PhD Research Student, King's College London, UK</td>
</tr>
<tr>
<td>12.15</td>
<td>Effects of grape seed extracts on reproductive parameters in broiler breeder hens</td>
<td>Anthony Estienne, Postdoc, Institut National de la Recherche Agronomique, France</td>
</tr>
</tbody>
</table>

12.30 Lunch, exhibition and poster viewing

13.30-14.30 **UPDATE SESSION 3**

**U3A**
**CLINICAL & EMBRYOLOGY**
Chair: Stuart Lavery, Consultant in Gynaecology, Reproductive Medicine and Surgery and Director of IVF Unit, Imperial College Healthcare, UK

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>11.30</td>
<td>Regulating innovation in a changing world</td>
<td>Peter Thompson, Chief Executive, HFEA, UK</td>
</tr>
<tr>
<td>11.45</td>
<td>Metabolic approaches to treating male fertility</td>
<td>Channa Jayasena, Clinical Senior Lecturer in Endocrinology, Imperial College London and Hammersmith Hospital, UK</td>
</tr>
</tbody>
</table>

**U3B**
**SCIENCE**
Chair: Suzannah Williams, Lead for Oxford Future Fertility Trust, University of Oxford, UK

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>11.30</td>
<td>Fertility preservation in wild and domestic species</td>
<td>Pierre Comizzoli, Staff Scientist, Department of Reproductive Sciences, Center for Species Survival, Smithsonian's National Zoological Park, Washington DC, USA</td>
</tr>
<tr>
<td>11.45</td>
<td>Bringing back the white rhino using frozen sperm</td>
<td>Robert Hermes, Professor, Leibniz Institute for Zoo &amp; Wildlife Research, Berlin, Germany</td>
</tr>
</tbody>
</table>

**U3C**
**NURSING**
Chair: Yvonne Weddon, Sister, Birmingham Women's Fertility Centre, UK

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>11.30</td>
<td>The role of ultrasound in infertility management – a nurse perspective</td>
<td>Jane Mutch, Matron, The Hewitt Fertility Centre, UK</td>
</tr>
</tbody>
</table>

14.35 Debate: This house believes in legalising genetic enhancement of humans

**For:** Helen O’Neill, Lecturer in Reproductive Medicine and Genetics, University College London, UK

**Against:** Felicity Boardman, Associate Professor, WMS - Social Science and Systems in Health, University of Warwick, UK

15.00 Audience discussion and questions

**Chair:** Jane Stewart, Chair, British Fertility Society, UK

15.15 Money, myths & man-eaters: Lion conservation in Tanzania and beyond

Amy Dickman, National Geographic Explorer, Kaplan Senior Research Fellow in Field Conservation, Wildlife Conservation Research Unit and Pembroke College, Oxford University, UK

15.45 Prize giving

16.00 Closing remarks

**Chair:** Jane Stewart, Chair, British Fertility Society, UK
JOINT EXECUTIVE COMMITTEE AND PROGRAMME COMMITTEE MEMBERS

Ian Aird,
Programme Chair, British Fertility Society
Ginny Bolton,
Treasurer, British Fertility Society
Colin Duncan,
Chair, Society of Reproduction and Fertility
Debbie Evans,
Nurse Representative, Programme Committee, British Fertility Society
Jason Kasraie,
Chair, Association of Clinical Embryologists
Stuart Lavery,
Programme Committee, British Fertility Society
Richard Lea,
Programme Chair, Society of Reproduction and Fertility
Raj Mathur,
Secretary, British Fertility Society
David Miller,
Treasurer, Society of Reproduction and Fertility
Suman Rice,
Programme Committee, Society of Reproduction and Fertility
Karen Schnauffer,
Programme Chair, Association of Clinical Embryologists
Jane Stewart,
Chair, British Fertility Society
Rebecca Swann,
Programme Chair, Association of Clinical Embryologists
Charissa Warner,
Treasurer, Association of Clinical Embryologists
Adam Watkins,
Secretary, Society of Reproduction and Fertility
Access
The EICC is fully accessible by wheelchair to all public areas by ramp or lift. If you have any access requirements, specifically in the auditorium, then do please let a member of the organising team know. Alternatively, you may ask any member of staff at the EICC.

Admission to conference sessions
Admission to conference sessions is strictly by badge only. Please ensure you are in your seat at least five minutes prior to the start of each session and that any phones or other electronic devices are turned to silent.

App
The free conference app is available to download by visiting the app store on your device and searching for ‘Fertility 2020’. The app contains all the information including biographies, abstracts and photos so you can access everything you need to know about the conference at any time, easily and quickly.

Attendee list
A full list of participants is available from the registration desk (subject to the delegates permission).

Badges
In the interests of security, please make sure that your name badge is clearly visible at all times. If you lose your badge, please ask staff at the registration desk for a replacement as soon as possible. We would be grateful if you would return your badge to registration at the end of the conference for recycling.

Certificates of attendance
Certificates will be emailed to delegates within two weeks of the conference taking place. The certificate will reflect the days attended.

Cloakroom
There is a cloakroom for general use on the ground floor of the EICC. Additional space will be made available for luggage on Saturday. The cloakrooms are attended by a member of EICC staff at all times; please note, however, that items are left at your own risk.

Societies exhibition stands
Society staff and representatives will be available on the ACE, BFS and SRF stands in the exhibition throughout the conference. Staff will be able to assist with membership enquiries, advice and support and will have a wealth of information to hand.

Job stand
Within the exhibition there will be a stand where people can post about job opportunities and you can leave your details should you be interested in a specific area or clinic.

Conference presentations
Presentations from the conference will be available to download from www.fertilityconference.org after the conference (subject to agreement by speakers).

Delegate’s poster prize
We are asking delegates to vote for their favourite poster by text message. Text FERTPOSTER followed by the three digit poster number to 82228 to submit your choice. Voting will close on Friday 10 January at 17:00. The prize will be presented in the final plenary session on Saturday.

Emergencies
In the event of an emergency please contact a member of staff from Profile Productions or a member of the EICC security staff, who you will see throughout the building. In all other instances, please dial 999.

Exhibition
The exhibition is an integral part of this conference and the support of all the organisations at the event is greatly appreciated. Please take your time to visit the exhibition in the Lennox suite.

Hearing loop
Should you require this service please visit the registration desk so we can ensure it is in place for sessions you are attending.

Lunch
Complimentary lunch and refreshments will be available from all catering points in the Lennox during the refreshment breaks indicated on the programme. There are several catering points available so please use them all to avoid congestion. Water coolers are also located around the EICC.

Poster presentations
Posters will be on display in the Lennox. Please refer to the poster section in this handbook for full details of all the presentations.

Prayer room
If you require a quiet space to pray, we have allocated a room for your use. Please speak to the registration staff who will direct you.

Registration desk
If you have any enquiries please make your way to the registration desk in the main area where staff from Profile Productions will be at hand to answer any questions or deal with concerns that you may have. Official opening times are:

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wednesday 8 January</td>
<td>13:00 – 19:00</td>
</tr>
<tr>
<td>Thursday 9 January</td>
<td>08:15 – 19:00</td>
</tr>
<tr>
<td>Friday 10 January</td>
<td>08:15 – 18:45</td>
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<tr>
<td>Saturday 11 January</td>
<td>08:45 – 16:00</td>
</tr>
</tbody>
</table>
Security
In the interests of security, security personnel will be located in different areas of the EICC. Should you wish to report anything please talk to one of the security staff or contact a member of the conference team at the registration desk.

Speaker preview and lounge
The speaker preview room is located in Soutra room. Speakers are kindly asked to visit the preview room at least an hour prior to their session to upload their presentation and check it through with the technical team. Refreshments will be available.

Twitter
Delegates are strongly encouraged to Tweet ideas, debate and chat or to send comments at #Fertility2020 during the conference.

Wi-Fi
The conference is offering delegates access to a free Wi-Fi service in the venue. Click on EICC network and enter your details in your browser.

Evening programme

**Wednesday 8 January**
**ACE networking curry night**
Delegates are invited to join the speakers and committee members of the memberships for an informal networking dinner. It will be held at the Rustom Restaurant.

**Thursday 9 January**
**Networking and welcome reception**
The welcome reception will be held in the Lennox on Thursday 9 January between 18.00-19.00. Free for all to attend, delegates are encouraged to take the opportunity to meet with exhibitors, College staff and other delegates.

**Friday 10 January**
**Conference dinner and Ceilidh**
The conference dinner will be held at the EICC on Friday 10 January at 19.30. Enjoy a drinks reception followed by a three-course dinner with wine and live ceilidh band to dance away the evening. A limited number of tickets are available from the registration desk at £65.

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Professor Murdoch, Professor of Reproductive Medicine at Newcastle Fertility Centre @ Life

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### Sperm

<table>
<thead>
<tr>
<th>Poster</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>P001</td>
<td>The union of robotics and deep learning for fully automated sperm assessment</td>
<td>Daniel Thomak, Robin Mailiot, Daniela Bakalova, Miguel Monteiro, Tanguy Damart, Sheryl Homa, Mohamed Tahal; 1Mojo Diagnostics, France; 2University of Kent</td>
</tr>
<tr>
<td>P002</td>
<td>Success of surgical sperm retrieval in men with cystic fibrosis</td>
<td>Lauren Lacey, Joanna Wilkinson, Sibte Hassan, Helen Hunter, Rowland J Bright-Thomas, Muhammad A Ahtkar, Andrew Heck; 1University of Warwick; 2University of Manchester; 3Old Saint Mary’s Hospital, Manchester University; 4University of Manchester; 5Manchester University NHS Foundation Trust; 6Manchester Adult Cystic Fibrosis Centre, Manchester University NHS Foundation Trust; 5Manchester University NHS Foundation Trust</td>
</tr>
<tr>
<td>P003</td>
<td>High-throughput phenotypic screening using human spermatozoa for the identification of novel compounds which improve sperm motility</td>
<td>Zoe Johnston, Franz Gruber, Paul Andrews, Christopher Barratt; University of Dundee</td>
</tr>
<tr>
<td>P004</td>
<td>Synchronisation of sperm dynamics: modification in density gradient centrifugation improves normal motility indices of sperm</td>
<td>Haitham Alhilfi, Amal Mohammed, Judith Gomez-Martinez; 1Al-Qadisiyah University, Iraq; 2Al-Nahrain University, Iraq; 3Hospital Universitar i Politècnic La Fe, Valencia, Spain</td>
</tr>
<tr>
<td>P005</td>
<td>Does inducing capacitation change sperm metabolism?</td>
<td>Merlin Georgiou, Evie Gruszky, Samuel Edney, Sean Nevin, Steven Reynolds, Allan Pacey; University of Sheffield</td>
</tr>
<tr>
<td>P006</td>
<td>CASA and flow-cytometric parameters of semen for use in bovine in vitro embryo production (IVP)</td>
<td>Phillipa C Dodd, Katie L Burton, Jonathan ME Statham, Desmond AR Tutt, Kevin D Sinclair; 1School of Biosciences, University of Nottingham; 2RAFT Solutions Ltd</td>
</tr>
<tr>
<td>P007</td>
<td>Human sperm [Ca2+]i oscillations require regulation of CatSper by Vm</td>
<td>Stephen Publicover, Elyse Torrezan, Sean Brown; 1University of Birmingham; 2University of Abertay</td>
</tr>
<tr>
<td>P008</td>
<td>Rare pathogenic mutations identified by whole exome sequencing of 26 male patients who experienced IVF failure</td>
<td>Shruti Kane, Douglas Lester, Christopher Barratt, Sarah Martins da Silva, Sean Brown; 1Abertay University; 2University of Dundee</td>
</tr>
<tr>
<td>P009</td>
<td>Antigen unmasking of phospholipase C zeta in human sperm does not alter potential diagnostic outcome in patients undergoing fertility treatment</td>
<td>Junaid Kashir, Bhavesh Mistri, Lujain BuSaleh, Reema AbuDawas, Michail Nomikos, Ahmed Ajlan, Raed Abu-Dawud, Nadya AlYacoub, Saad AlHassan, F. Anthony Lai, Abdullah Assiri, Serdar Coskun; 1Cardiff University; 2King Faisal Specialist Hospital and Research Centre; 3Alfaisal University; 4Qatar University</td>
</tr>
<tr>
<td>P010</td>
<td>The role of vasopressin in human sperm function</td>
<td>Ana-Maria Tomova, Jessica Hughes, Helen Hunter, Daniel Brison, Jason Ashworth, Chris Murtragord, Michael Carroll; 1Department of Life Sciences, Faculty of Science and Engineering, Manchester Metropolitan University; 2Department of Reproductive Medicine, Manchester University NHS Foundation Trust</td>
</tr>
<tr>
<td>P011</td>
<td>Exploring sperm DNA damage in response to phosphodiesterase inhibitor stimulation of motility</td>
<td>Abigail Sharpe, David Miller; University of Leeds</td>
</tr>
<tr>
<td>P012</td>
<td>Effects of freeze-thawing cycles and storage length on testes and sperm morphology</td>
<td>Rosie Mitchell, Stephane Berneau, Charlotte Brassey; Manchester Metropolitan University</td>
</tr>
<tr>
<td>P013</td>
<td>The effect of lifestyle on human sperm count and progressive motility: a longitudinal study</td>
<td>Stéphane Berneau, Muaamar Noor, Mahaa Shehzad, Ana-Maria Tomova, Maha K.A. Al-Gazi, Daniel R. Brison, Andrew Povey, Michael Carroll; 1Department of Life Sciences, Faculty of Science and Engineering, Manchester Metropolitan University; 2Centre for Epidemiology Division of Population Health, Faculty of Biology, Medicine and Health, University of Manchester; 3Maternal and Fetal Health Research Centre, Faculty of Biology, Medicine and Health, University of Manchester</td>
</tr>
<tr>
<td>P014</td>
<td>Case report: The first infant born following treatment of a HIV positive patient at the Herts and Essex Fertility Centre</td>
<td>Najma Syed, Rahul Naik, Hayley Fryer, Lucy Richardson; 1Herts and Essex Fertility Centre</td>
</tr>
<tr>
<td>P015</td>
<td>Clinical outcomes following deferred embryo transfer in stimulated IVF/ICSI cycles: a retrospective study</td>
<td>Bonnie Dickinson, Michael Carroll, Paul Wilson, Corrina Gibbons; 1Bristol Centre for Reproductive Medicine; 2Manchester Metropolitan University</td>
</tr>
<tr>
<td>P016</td>
<td>Do supplementary intake of vitamins and antioxidants have a role in improving male fertility outcomes?</td>
<td>Vidhya Balakumar, Sarah Martins Da Silva, NHS Tayside</td>
</tr>
<tr>
<td>POSTERS LISTING</td>
<td></td>
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</tr>
<tr>
<td>-----------------</td>
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<td></td>
</tr>
</tbody>
</table>
| **P017** A comparison of microscopic semen assessment as performed by a manual operator and the LensHookeTM X1 Pro  
_ Hayley Fryer, Angela Hejazi; Rahul Naik; Lucy Richardson; Herts and Essex Fertility Centre |
| **P018** Uncertainty and variation in sperm morphology preparation and assessment across UK laboratories  
_ Andrew Allan¹; Mathew Tomlinson¹; Rachel Gregoire¹; Hewitt Fertility Centre; ²Nottingham University Hospital |
| **P019** Impact of chemerin on sperm function and embryo development in broiler breeder chicken  
_ Anthony Estienne; Guillaume Bourdon; Jérémy Grandhaye; Enka Caldas-Silveiras; Christelle Ramé; Alix Barbe; Marine Chahmanian; Patrice Ganière; Pascal Froment; Joëlle Dupont; INRA |
| **P020** Identification of miR-202 in bull testis using in situ hybridisation  
_ Bushra T. Mohammed¹; Xavier Donadeu²; ¹College of Veterinary Medicine, University of Duhok, Kurdistan Region, Iraq; ²The Roslin Institute and R(D)SVS, University of Edinburgh, Scotland, UK |
| **P021** Radio frequency electromagnetic radiation from cell phone causes defective testicular function in male wistar rats  
_ Adeoye Oyewopo; University of Ilorin, Nigeria |
| **P022** Comparing sperm parameters in first and second IVF samples: Are there any improvements or is ICSI the last resort?  
_ Leilan Ali; Despoina Besi; Annabel Rattos; Marta Jansa Perez; Rehan Salim; Wolfson Fertility Centre |
| **P023** Evaluation of early vasectomy failure rate between referral centres following the introduction of 2016 PVSA guidelines  
_ Amber Adamson; Liverpool Women’s Hospital |
| **P024** The importance of female reproductive tract metabolites for sperm metabolism and motility  
_ Evie Groszyk; Steven Reynolds; University of Sheffield |
| **P025** A comparison of outcomes of ICSI using cryopreserved sperm  
_ Samuel Adedero¹; Mari Isdale¹; Helen Hunter¹; Lauren Lacey¹; Muhammad A Akhtar¹; ¹The University of Manchester; ²Old Saint Mary’s Hospital, Manchester University NHS Foundation Trust; ³University of Warwick |
| **P026** Comparison of the yield of motile sperm following preparation with different commercial media  
_ Stephanie Engley, Rahul Naik; Lucy Richardson; Herts & Essex Fertility Centre |
| **P027** A novel approach to sperm selection for ICSI through thermotaxis  
_ Inmaculada Castillo-Cantero; Mercedes Regueira-Balgheroni; Joanne Graves; Louise Kellam; Alison Campbell; Care Fertility |
| **P028** Extracellular vesicles - messengers between the mother and the offspring  
_ Kasun Godakumara¹; Úlle Jaakma¹; Andres Salumets¹; Alireza Fazeli¹; ¹Tartu University; ²Institute of Veterinary Medicine and Animal Sciences, Estonian University of Life Sciences; ³Competence Center on Health Technologies, Estonia; ⁴Academic Unit of Reproductive and Developmental Medicine, Department of Oncology and Metabolism, University of Sheffield |
| **P029** The prevalence of chromosomal abnormalities in men with azoospermia and severe oligospermia  
_ Neha Mehboob¹; Abhijit Dixit²; Katherine Martin²; Kanna Jayaprakasan³; ¹University of Birmingham; ²University Hospitals of Nottingham; ³University of Nottingham |
| **P030** Graphene Oxide as an agent for personalized ARTs  
_ Juliana Simões¹; Marina Ramal-Sanchez²; Antonella Fontana²; João Ramalho-Santos³; Nicola Bernabo³; Barbara Barboni³; ¹University of Teramo; ²Università “G. d’Annunzio” Chieti; ³Center for Neurosciences and Cell Biology |

**Donor**

| **P031** The frozen donor oocyte service: Implementing optimisation strategies to improve patient outcomes  
_ Keith McEvoy; Nikoleta Panagiotopoulou; Manchester Fertility |
| **P032** Retrospective audit of a donor sperm service: total motile sperm count and pregnancy outcome  
_ Viktoria Asaciova1; Elizabeth Ferguson1; Valerie Peddie2; 1University of Aberdeen; 2NHS |
| **P033** Predictive factors of total fertilisation failure in conventional IVF  
_ Emma Hogg1; Davina Hulme1; Rachel Cutting2; 1The University of Sheffield, UK; 2Jessop Fertility, UK |
| **P034** Which donor sperm bank will give the best chance of success? - A multicentre, retrospective study  
_ Sarah Thirlby-Moore¹; Ellen Armstrong¹; Alison Campbell¹; ¹Care Fertility Birmingham; ²Care Fertility |
| **P035** Evolving policies and procedures for successful operation of a donor sperm bank  
_ Michelle Ottey; Fairfax Cryobank |
<table>
<thead>
<tr>
<th>Poster Number</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>P036</td>
<td>Clinical audit of the performance of Herts and Essex Fertility Centre's donor sperm bank</td>
<td>Hayley Fryer; Abbie Drinkwater; Rahul Naik; Lucy Richardson; Herts and Essex Fertility Centre</td>
</tr>
<tr>
<td>P037</td>
<td>Experience with a large pan-ethnic, carrier screening panel on a donor sperm population; lessons for the informed consent process</td>
<td>Pamela Callum; Kara Baldwin; California Cryobank</td>
</tr>
<tr>
<td>P038</td>
<td>Exploration of the clinical scientist’s experience of carrier matching for donor selection in the IVF clinic</td>
<td>Valere Shaikly; Sapna Ahuja; Mohamed Taranissi; ARGC</td>
</tr>
<tr>
<td>P039</td>
<td>The outcomes in pregnancies from the use of donor sperm compared with those resulting from partner sperm. A systematic review and meta-analysis</td>
<td>Christopher Allen; Nicola Marconi; David McLernon; Sohinee Bhattacharya; Abha Maheshwar; University of Aberdeen; Aberdeen Fertility Centre</td>
</tr>
<tr>
<td>P040</td>
<td>Caring for egg donors: analysing experiences of 454 women donating eggs to a licensed cryobank in the UK</td>
<td>Marta Wolska; Mimi Arian-Shad; Kamal Ahuja; Nick Macklon; London Egg Bank; London Women’s Clinic</td>
</tr>
<tr>
<td>P041</td>
<td>The evolution of surrogacy: a legal and clinical perspective</td>
<td>Elen Williams; Francesca Steyn; Hill Dickinson; The Centre for Reproductive and Genetic Health</td>
</tr>
<tr>
<td>P042</td>
<td>Think before you test. One clinics experience of ancestry DNA testing and donor conceived children</td>
<td>Charlene Freeman; Mo Thomas; Jane Blower; Tarek Gelbya; Leicester Fertility Centre</td>
</tr>
<tr>
<td></td>
<td><strong>Psychosocial</strong></td>
<td></td>
</tr>
<tr>
<td>P043</td>
<td>The meaning of social support to well-being of couples undergoing infertility treatment</td>
<td>Alicja Malina; Dorota Suwalaska-Baranciwicz; Kazimierz Wielki University; Faculty of Pedagogy and Psychology</td>
</tr>
<tr>
<td>P044</td>
<td>Stress and resilience in relations to psychological well-being of couples undergoing infertility treatment</td>
<td>Alicja Malina; Magorzata Glogiewicz; Jakub Piotrowski; Kazimierz Wielki University; Faculty of Pedagogy and Psychology; Collegium Medicum UMK; Nicolaus Copernicus University; Faculty of Biology and Environment Protection, Department of Immunology</td>
</tr>
<tr>
<td>P045</td>
<td>Obstetrics and gynaecology doctors views and beliefs regarding social and medically-indicated egg freezing</td>
<td>Linda Farahani; Gabriella Gadd; Tomilola Oke; Monica Mittal; Lisa Webber; Rehan Salim; Raj Rai; Imperial College Healthcare NHS Trust</td>
</tr>
<tr>
<td>P046</td>
<td>Clinical twin pregnancy reported after delayed ICSI 24 hours post oocyte retrieval</td>
<td>Sam Rhodes; Lynne Nice; Rahnuma Kazem; Alison Campbell; CARE Northampton; CARE</td>
</tr>
<tr>
<td>P047</td>
<td>Should a reactive oxygen species (ROS) measurement be part of routine semen analysis?</td>
<td>Georgina Pool; Shaun Rogers; Agnieszka Florek; GENNET City Fertility</td>
</tr>
<tr>
<td></td>
<td><strong>Nursing</strong></td>
<td></td>
</tr>
<tr>
<td>P048</td>
<td>An overview of the management and pathway of a nurse led recurrent pregnancy loss service</td>
<td>Anca Capotescu; Chantelle Maison; Srividya Seshadri; Francesca Steyn; Wael Saab; Paul Serhal; The Centre for Reproductive and Genetic Health</td>
</tr>
<tr>
<td>P049</td>
<td>Unexplained infertility is increasing overtime and across different age groups</td>
<td>Julio Louzada; Celine Jacques; Samya Barkaoui; Lucy Beaumont; Mara Kotrotsou; Caroline Noublanche; Cristina Hickman; Apricity</td>
</tr>
<tr>
<td></td>
<td><strong>Fertility Preservation</strong></td>
<td></td>
</tr>
<tr>
<td>P050</td>
<td>The storage and disposal of embryos and gametes in the UK: regulations in need of review</td>
<td>James Lawford Davies; Eleri Williams; Hill Dickinson LLP</td>
</tr>
<tr>
<td>P051</td>
<td>Towards a clear referral pathway for fertility preservation in survivors of childhood cancer</td>
<td>Lucia Hartigan; Louise Glover; Helen Groarke; Mary Wingfield; Merrion Fertility Clinic and National Maternity Hospital; Merrion Fertility Clinic</td>
</tr>
<tr>
<td>P052</td>
<td>Emergency sperm and spermatogonial stem cell retrieval in oncological context</td>
<td>Lionel A. Micol; Elizabeth Williamson; Philippa Sangster; University College London Hospitals and Le Centre Hospitalier Universitaire Vaudois; University College London Hospitals</td>
</tr>
<tr>
<td>P053</td>
<td>Fertility preservation in female cancer patients post-chemotherapy treatment</td>
<td>Hannah Ward; Ephia Yasmin; University College London Hospital</td>
</tr>
</tbody>
</table>
POSTERS LISTING

P054 Extracorporeal retrieval and vitrification of oocytes for fertility preservation
Vanessa Pike1; Sophie Bird2; 1Beginnings ACU, St Helier Hospital; 2Beginnings ACU

P055 Double ovarian stimulation (duostim) modified protocol for fertility preservation in female oncology patients - the way ahead! - our experience of 2 years in a tertiary care IVF unit
Geet Sarodey; Barbara Manukian; Danai Balloussia; Sotinios Saravelos; Stuart Lavery; Rehan Salim; Wolfson Fertility Centre, IVF Hammersmith, London

P056 Awareness level, knowledge and attitude toward fertility preservation among cancer patients in Makkah Region: A cross sectional study
Ramya Sindi; Umm Al-Qura University

Assisted Conception

P057 Is there gender bias in the peer review system at Reproduction?
Marie Biolkova1; Tom Moore2; Karen Schindler3; Karl Swann4; Greg Fitzharris5; Christopher Price6; Lindsay Flood7; Helen Dick6; Norah Spears1; 1University of Edinburgh; 2University College Cork; 3Rutgers University; 4Cardiff University; 5University of Montreal; 6Bioscientifica

P058 Top ten priorities for future infertility research
James M. N. Duffy; Balliol College, University of Oxford

P059 Developing a minimum data set, known as a core outcome set, for future infertility research
JMN Duffy; Balliol College, University of Oxford

P060 Criteria for IVF funding in the NHS are not fit for purpose
Sophie Platts1; Dimitrios Mavrelos2; 1University College Hospital London; 2University College Hospital London

P061 Should mitochondrial replacement therapy be funded by the national health service
Sophie Rhys-Evans; Lucy Frith; University of Liverpool

P062 Does the provision of information influence patients’ decisions when selecting the number of embryos for transfer during an ART cycle?
Melissa Ang; Manchester University Foundation Trust

P063 Awareness of age-related female fertility decline amongst medical students: A cross-sectional study
Nawal Zai1; Nikhil Pattani3; James Cheshire3; Justin Chu2; 1University of Birmingham; 2Institute of Metabolism and System Research; 3Birmingham Women’s and Children’s NHS Foundation Trust

P064 Complications encountered by patients post IVF/ICSI at regional tertiary referral NHS fertility unit over a two year period
John Philip McManus1; Heather Agnew2; Emily Bailie3; Nicola Campbell1; Courtney McMullan4; Adam Snowdon3; Ishola Agbaje5; 1Belfast Health and Social Care Trust; 2Northern Health and Social Care Trust; 3Southern Health and Social Care Trust; 4South Eastern Health and Social Care Trust; 5Western Health and Social Care Trust

P065 ‘Group culture’: Embryology perspectives of working within a large cohesive group of IVF clinics
Alison Campbell; Rachel Smith; Louise Best; Sue Montgomery; Kathryn Berrisford; Lynne Nice; Ellen Armstrong; Yvonne Lodge; Alex Page; Sharon Corcoran; Cath Drezet; CARE Fertility Group

P066 Probiotic therapy in couples with infertility: a systematic review
Gillian Corbett; David Crosby; Fionauala McAuliffe; UCD Obstetrics and Gynaecology

P067 ‘Add-on’ or take away: managing women with recurrent implantation failure with intralipids during assisted reproductive cycles
Rashmi Manning1; Laura Irving2; Isaac Ebvuomwan2; 1Royal Victoria Infirmary, Newcastle; 2Queen Elizabeth Hospital Gateshead

P068 Personalised stimulation for expected high responders during in-vitro fertilisation
Thanos Papathanasiou; Lucy Pullan; Marianna Protsyshyn; Teresa Riccio; Naushen Mawal; Bourn Hall Clinic

P069 Ethnic variation in the risk of preterm birth following frozen embryo transfer: results from analysis of the HFEA database
Mariano Mascarenhas1; Abigail Sharpe2; Adam Baler1; 1Leeds Fertility; 2Leeds Teaching Hospitals Trust

P070 Prescription medication use patterns amongst men and women just prior to an IVF cycle: a retrospective cohort study
Eddie Rostand1; Mariano Mascarenhas1; Abigail Sharpe1; Suhair Ibrahim1; Harish Bhandari2; 1University of Leeds; 2Leeds Fertility Clinic; 3Leeds Teaching Hospitals Trust

P071 Does sperm DNA fragmentation affect the outcome in donor-recipient cycle using intracytoplasmic sperm injection (ICSI) for fertilization?
Anamika Rao; Lydia Ruddick; Manchester Fertility
P072 Ethnicity affects the live birth rate following frozen embryo transfer: analysis of 64 530 frozen embryo transfer cycles from the HFEA database
Mariano Mascarenhas; Abigail Sharpe; Adam Balen; Leeds Fertility

P073 Clinical outcomes of 1086 consecutive egg donation cycles from a single UK centre; a comparison of fresh and frozen eggs
Eleni Linara-Demakakou; JinJun Wang; Trina Shah; Grace Gibson; Shailaja Nair; Mona Rahmati; Nick Macklon; Kamal Anuja; The London Women’s Clinic

P074 Comparison of treatment outcomes between frozen-thawed day 5 and 6 blastocyst transfers
Candice Cheung; Jason Kasraie; Andrew Sizer; Shrewsbury and Telford Hospital NHS Trust

P075 Frozen thawed embryo transfer cycles: Clinical outcomes-our experience
Vidhya Balakumar; Philip Milne; Mythili Ramalingam; Suresh Kini; NHS Tayside

P076 Comparison of Treatment Outcomes between Fresh Day 5 and 6 Blastocyst Transfers
Candice Cheung; Jason Kasraie; Andrew Sizer; Shrewsbury and Telford Hospital NHS Trust

P077 Timing of embryo transfer in natural cycle frozen-thawed embryo replacement. Is blastocyst transfer on day six after urinary luteinising hormone-surge superior to day seven?
Matt Noble; Jo Craig; Aysha Bevan; Tim Child; Oxford Fertility

P078 Endometrial thickness and its effects on the pregnancy outcomes in hormone replacement frozen thawed embryos transfer cycles
Vidhya Balakumar; Philip Milne; Suresh Kini; NHS Tayside

P079 Is assisted reproduction treatment outcome influenced by the time interval from oocyte recovery to ICSI?
Sue Montgomery1; Katie Birt2; Alison Campbell3; Colin Duncan3; Colin Howles1; 1University of Edinburgh; 2CARE Fertility

P080 Can artificial oocyte activation using calcium ionophore improve blastulation rates in women with previous failed or low blastulation yield?
Margarida Avo Santos1; Iria Castro1; Alexandra Page1; Amanda Tozer1; Sue Montgomery1; Alison Campbell1; 1CARE Fertility London, UK; 2CARE Fertility Manchester, UK; 3CARE Fertility, UK

P081 PH and Osmolarity in extended culture systems
Paul Knaggs; Victoria Thomas; Anna Storey; Kathleen Rennison; Eleri Middleton; Sarah Evans; Wales Fertility Institute

P082 Safety of originator follitropin alfa (GONAL-f) for fertility treatment -- Frequency of OHSS and thromboembolism in the scientific literature and the Merck KGaA safety database
Erica Velthuis1; Julie Hubbard2; Salvatore Longobardi1; Thomas D’Hooghe1; Kin Liu1; 1Merck Healthcare KGaA; 2EMD Serono Research & Development Institute; 3Merck Serono Ltd

P083 Characterisation of vaginal microbiome and subsequent cytokine response in assisted reproduction cycles and its association with treatment outcome
Shahrriar Mowlali1; Jingyi Xie1; Yun Lee1; Jara Ben-Nagri2; Phillip Bennett1; David MacIntyre1; Shirin Khanjan1; 1Imperial College London; 2Centre for Reproductive and Genetic Health

P084 Abdominal compartment syndrome due to severe ovarian hyperstimulation syndrome necessitating decompression midline laparotomy-the size of ovaries matters
John Vekinis1; Sophie Platts1; Emily Cornish1; Natasha Eagles1; Nicola Roberts1; Aodea Olaitan1; Imran Raza1; Tarek Abdel Aziz1; Ephia Yasmin1; University College London Hospital

P085 Is there an effect of season on the fertility of UK dairy cows?
Bayar Zeebaree1; Wing Kwong2; Carlos Gutierrez3; Kevin Sinclair2; George Mann2; 1Duhok University; 2CARE Fertility London, UK; 3CARE Fertility Manchester, UK

P086 Reproductive outcomes after uterine septum resection
Megan Duncan; Ava Sweeney; Neil McClure; Queen’s University Belfast

P087 HABSelect: PICSI equalised miscarriage rates among younger and older women by reducing its incidence in the latter
David Miller1; Robert West1; Jackson Kirkman-Brown1; Arri Coomarasamy1; Sheena Lewis2; 1University of Leeds; 2University of Birmingham; 3Queen’s University, Belfast

P088 Epigenetic (DNA methylation) regulation of gene expression of potassium channels in secretory endometrium of women with recurrent implantation failure (RIF)
Hisham AlAhwany1; Cristina Tufarell1; Saad Amer1; Raheela Khan1; 1University of Nottingham; 2University of Leicester

P089 ICSI is associated with lower live birth rates compared to conventional IVF in couples with endometriosis undergoing assisted reproductive treatment: an analysis of 20,326 treatment cycles
Hajeb Kamali1; Islam Gamaleldin1; Paul Wilson1; Valentine Akande1; 1Bristol Centre for Reproductive Medicine; 2North Bristol NHS Trust
P090  Enhanced embryo selection encourages SET without impacting on cumulative LBR  
Sophia Jewitt; Rachel McIntosh; Catherine Wass; Laura Irving; Kirsten Keenan; Gateshead Fertility Unit

P091  The effect of autologous platelet rich plasma on patients with persistent thin endometrium undergoing frozen embryo transfer  
Yogitha Rao; Santasa Fertility Pvt. Ltd

P092  The impact of endometrioma on IVF/ICSI reproductive outcomes: a systematic review and meta-analysis  
Saliwa Alshehre1; Mark Fenwick2; Brenda Narice2; Mostafa Metwally2; 1The University of Sheffield; 2Sheffield Teaching Hospitals

P093  The addition of recombinant LH or HMG to recombinant FSH in anticipated poor responders does not improve live birth rates  
Dana Balfoussia; Sotiros Saravelos; Barbara Manukian; Marta Jansa Perez; Raj Rai; Rehan Salim; Imperial College Healthcare NHS Trust

P094  The use of hMG in expected good responders does not result in higher live birth rates  
Dana Balfoussia; Sotiros Saravelos; Geet Sarodey; Marta Jansa Perez; Raj Rai; Rehan Salim; Imperial College Healthcare NHS Trust

P095  The impact of maternal age on target gene expression in embryos and reproductive organs  
Juliane Thoma; Maria Schindler; Mareike Pendzialek; Tom Seeling; Juliane-Susanne Jung; Anne Navarrete-Santos; Department of Anatomy and Cell Biology; Martin Luther University Halle-Wittenberg

P096  Fertility outcomes in IVF/ICSI cycles with low Anti-Müllerian hormone  
Dayna Gill1; Hui Ping Lee1; Jaima Mahmood1; Simrita Agrawal1; Justin Chu2; 1University of Birmingham; 2Birmingham Women's Hospital

P097  The influence of maternal BMI on early embryo development and offspring birth weight by using a consistent paternal contributor  
Laura Mason; Christine Leary; Steve D Maguiness; Hull IVF Unit

P098  AMH predicts cumulative ovarian performance better than individual cycle performance  
Thanos Papathanasiou; Donna Stock; Andrea Curry; Bourn Hall Clinic

P099  Stimulation outcomes in age versus non age induced poor ovarian reserve (AMH<5.4pmol/L)  
Gloria Antwi-Ahima; Meena Choudhary; Newcastle Upon Tyne Hospital

Endocrionology

P100  Price comparison of AMH and follicular phase gonadotrophins for testing ovarian reserve  
Romana Cuffolo; Fatima Husain; Goli Shenasan; Bardia Azar; Dawn Grenchaw; Wexham Park Hospital

P101  Immunohistochemical localization of androgen receptors in anacyclus pyrethrum roots methanolic extract treated male rats  
Muhammad Riaz1; Muhammad Shahid2; Jane Robinson3; 1University of Sargodha, Pakistan; 2University of Agriculture, Faisalabad, Pakistan; 3Institute of Biodiversity, Animal Health and Comparative Medicine, University of Glasgow

P102  The effect of different luteal phase support (LPS) regimes on pregnancy outcomes in FET cycles  
Katherine Spofforth1; Zachariah Shehadeh2; Mona Zak1; K Jose2; Gurpreet Kalra2; Arianna D’Angelo; 1Cardiff University Medical School; 2Wales Fertility Institute

P103  Relaxin receptors and their functionality in the ruminant  
Waleed Alhujaili; Y Dai; R Ivell; R Anand-Ivell; The University of Nottingham

P104  Regulation of Dual Specificity Phosphatases (DUSPs) by fibroblast growth factor 2 in bovine granulosa cells  
Lauriane Relav; El Arbi Abulghasem; Jiaogang Zhongliang; Violaine Bourmaud; Christopher Price; University of Montreal

P105  Development and characterisation of an in vitro model of human first trimester gonadal development  
Elizab性t Oliver1; Lena Sahlin1; Elisabet Åkesson1; Magdalena Kurek1; Halima Mohammed Abdullah Al Balushi2; Virpi Töhönen2; Shintaro Katayama1; Jan-Bernd Stukenborg3; 1Karolinska Institutet; 2Sultan Qaboos University

P106  Prevalence of polycystic ovarian syndrome in secondary school girls in Mansoura  
Maher Shams1; Sally Saad2; Ahmed Shabanna1; 1Faculty of Medicine Obstetric Gynaecology Department; 2Taikha Central Hospital

P107  Prenatal androgen exposure disturbs female liver phenotype in an ovine model of PCOS  
Katarzyna Siemienowicz1; Klaudia Furmanska1; Chiara Talia1; Panagiotis Filis2; Paul Fowler2; Colin Duncan1; Mick Rae1; Edinburgh Napier University; 1University of Aberdeen; 2University of Edinburgh
P108 Case report: Oocyte cryopreservation in Turner syndrome mosaic with polycystic ovaries
Jessica Czink1; Jane MacDougall2; Alka Prakash3; 1University of Cambridge; 2Cambridge IVF

P109 A comparison of origio gameete handling products with sage and hartmann’s solution
Gizem Turkay; Annabel Ratto; Rehan Salim; Marta Jansa Perez; Wolfson Fertility Centre

P110 Infertility after mumps infection: a systematic review and meta-analysis
Muhammed Khaled ElTariti; Faculty of Medicine, University of Tripoli, Libya

Fertilisation

P111 Phospholipase C zeta profiles are indicative of optimal sperm parameters in patients undergoing fertility treatment
Junaid Kashir1; Bhavesh Mistry2; Lujain BuSaleh3; Reema AbuDawas4; Michail Nomikos5; Ahmed Alyan6; Raed Abu-Dawud7; Nadya Alyacoub8; Saad AlHassan9; F.Anthony La10; Abdullah Assiri11; Serdar Coskun12; 1Cardiff University, Alfasfa, 2King Faisal Specialist Hospital and Research Centre; 3King Faisal Specialist Hospital and Research Centre; 4Alfasfa, 5University of Nottingham; 6Alfasfa

P112 Antioxidant effects of calligonum extract on ovarian tissue of PCO model: An experimental study
Mansoureh Movahedin; Fatemeh Tahmasebi; Zohreh Mazaheri; Tarbiat Modares University

P113 The impact of paternal diet on fetal growth and placental renin-angiotensin system gene expression
Afsaneh Khoshkerd1; Hannah Morgan; Adam Watkins; University of Nottingham

P114 The classification and characterisation of human corpus luteum development and demise
Ahmed Nazan1; Suman Rice2; 1St George’s University London

P115 The role of the APC/C inhibitor Emi2 in the regulation of Meiosis I in mouse oocytes
Petros Marangos; Konstantina Niaka; Sandra Gonzalez Malagon; Konstantinos Stamatiou; Irini Bellou; Eleni Papadopoulou; Andromahi Labrianidou; University of Ioannina

P116 Recovery of vaginal microbiota after standard treatment for bacterial vaginosis infection: an observational study
Liisa Lehtoranta1; Ashley Hibberd2; Jenni Reimari2; Jouni Junnila2; Nicolas Yeung2; Johanna Maukonen3; Gordon Crawford4; Arthur Ouwehand5; DuPont Nutrition & Biosciences; 4Pharma Ltd; 2CPS Research

P117 Sexually transmitted infections (STI) screening in fertility setting: A regional survey
Frieda-Elsje Dreyer; Daisy Ogbomwan; Jane Hussey; Madhavi Gudipati; Sunderland Royal Infirmary

P118 Evaluation of embryo utilisation and pregnancy outcomes for three recombinant gonadotropins when compared with human menopausal gonadotropin
Alejandro Fernandez-Ponce; Dawn Yell; Andrew Drakeley; Rachel Gregoire; Hewitt Fertility Centre

P119 Transporting vitrified donor eggs does not affect success: a review of 220 cycles
Andrew Thomson1; Giles Palmer2; Lihua Wer3; Jinjun Wang4; Elena Lina-Demakakou5; Peter Sprober6; Melanie Meredith7; Hemlata Thackare8; Nick Macklon9; Kamal Ahuja10; 1London Women’s Clinic; 2London Women’s Clinic; 3London Women’s Clinic; 4London Women’s Clinic; 5London Women’s Clinic; 6London Women’s Clinic; 7London Women’s Clinic; 8London Women’s Clinic; 9London Women’s Clinic; 10London Women’s Clinic

P120 Classification of late development stages of embryo with artificial intelligence algorithms
Gerardo Mendizabal-Ruiz1; Alejandro Chavez-Badiola2; Adolfo Flores-Saife Farias3; Andrew Drakeley4; 1University de Guadalajara; 2New Hope Fertility Center; 3Hewitt Centre for Reproductive Medicine

P121 Can artificial intelligence boost chances of success in IVF?
Soumita Biswas Shrivastav1; Arasaratnam Srikandarajah2; Michael Carroll3; Roy Homburg4; 1Hewitt Fertility Centre; 2Homerton University Hospital; 3Manchester Metropolitan University

Pregnancy & Outcomes

P122 Fertility predictor: The first AI-driven empowering tool providing patients with realistic expectations associated with different types of treatment
Samya Barkaoui; Celine Jacques; Mara Kotrotsou; Lucy Beaumont; Julia Louzada; Caroline Noublanche; Cristina Hickman; Apricity

P123 Suboptimal quality embryos reduce the implantation potential of good quality embryos
Bryony Whitten; Rachel Gregoire; Liverpool Women’s Hospital NHS Foundation Trust

P124 HRT in autologous frozen embryo transfer cycles is associated with increased biochemical pregnancy rate
Tracey Hamilton1; Ly Bui Dieu2; Claire Noble3; Rebecca Samet3; Jennifer Lyon3; Marco Gaoun3; Richard Fleming3; 1Glasgow Centre for Reproductive Medicine Fertility; 2University of Glasgow
P125 Extracellular vesicles isolated from culture media conditioned by individually cultured bovine embryos as a potential embryo quality marker
Keerthie Dissanayake; University of Tartu, Estonia

P126 Does cell exclusion at the morula stage indicate embryo correction?
Chelsea Quinn; Karen Thompson; Amie Brunt; Leeds Fertility

P127 The effect of prokineticin 1 on the angiogenesis in the endometrium during pregnancy
Ewelina Goryszewska; Monika Baryla; Piotr Kaczynski; Agnieszka Wacławik; Institute of Animal Reproduction and Food Research of Polish Academy of Sciences

P128 High prevalence of autosomal aneuploidies associated with early pregnancy loss (EPL) in the mare
Charlotte Shilton1; Anne Kahler1; James Crabtree2; James Crowhurst3; Brian Davis4; Andrew McGladdery2; Claire Watthes;3 Terje Raudsepp4; Amanda de Mestre; Royal Veterinary College; 2Equine Reproductive Services; 3Newmarket Equine Hospital; 4Texas A&M University; 5Rossdales Veterinary Surgeons

P129 IVF/ICSI splits: the best of both worlds?
Farah Shakur; Joanna Murray; Maya Chetty; Edinburgh Fertility Centre

P130 Obstetric outcomes of pregnancies after fertility treatment
Alexander Steshenko1; Olena Ketova2; Tetyana Liakhovska2; Leila Hanna1; Queen Elizabeth Hospital; 2City Maternity Hospital, Pottava, Ukraine

P131 Exploring the tool kit: application of Quality Improvement (QI) principles founded from manufacturing within the IVF laboratory using the Model for Improvement (MFI) and lean
Emma Woodland1; Nicola Monks; Bridget Barker; Mark Howard; Sarah Derry; Lisa Whale; Aarti Umranikar; Salisbury Fertility Centre

P132 The impact of paternal diet on pre-implantation development and the metabolic sensor AMPK in murine embryos
Lauren Richardson; Ian Nightingale; Hannah L Morgan; Adam J Watkins; University of Nottingham

P133 Reproduction post-myomectomy: guideline development
Charlotte Brooks; Lisa Webber; Imperial NHS Trust St Marys Hospital

P134 Day 3 versus day 5 (blastocyst) transfer - Does it matter in poor responders?
Nirmal Felix; Adiraja Datta; Geeta Nargund; Stuart Campbell; Create Fertility

P135 Correlation of reproductive hormone profiles and semen quality
Somsin Petyim1; Ronnakorn Chukaew; Isarin Thanaboonyawa; Japarath Prechapanic; Pitak Lakorkkiat; Rougsin Choavaratana; Department of Obstetrics and Gynaecology, Faculty of Medicine Siriraj Hospital

P136 Does presence of a first trimester subchorionic haematoma during fresh IVF cycles impact on pregnancy outcomes?
Angeliki Rouvali; Danai Balfoussia; Lisa Stradiotto; Nader Aziz; Geet Sarodey; Raj Rai; Rehan Salim; Imperial College Healthcare NHS Trust

P137 Do women with a predicted poor ovarian response based on antral follicle count experience poor clinical outcomes?
Sotirios Saravelos; Danai Balfoussia; Geet Sarodey; Barbara Manukian; Stuart Lavery; Rehan Salim; Imperial College Healthcare NHS Trust

P138 Should patient age be considered within an elective single embryo transfer (SET) policy?
Celine Jacques; Samya Barkaoui; Mara Kotrotsou; Lucy Beaumont; Julio Louzada; Caroline Noublanche; Cristina Hickman; Apricity

P139 The effect of equilibration time on pregnancy rate in frozen-thawed embryo transfer cycles
Mansoureh Movahedini1; Marjan Omidi2; Negin Shirzad3; Saghar Salehpour1; 1Tarbiat Modares University; 2Gandhi Hospital, Tehran, Iran; 3Shahid Beheshti Medical Sciences, Tehran, Iran

P140 Morphological abnormalities of equine fetuses obtained from mares presenting with early pregnancy loss
Anne Kahler; Imelda M. McGonnell; Hamlette Smart; Ken C. Smith; D. Claire Watthes; Amanda M de Mestre; The Royal Veterinary College, UK

P141 Differential metabolic profiles of lactobacillus species and preterm birth-associated bacteria
Emmanuel Amabebe; Dilly Anumba; Steven Reynolds; University of Sheffield

P142 The impact of chemotherapy prior to ovarian tissue cryopreservation on follicle development in xenotransplanted tissue
Halima Yusuf1; Xi Wei; Sairah Sheikh; Sheila Lane2; Suzannah Williams; ‘Nuffield Department of Women’s and Reproductive Health, University of Oxford, Oxford, UK; 2Oxford Reproductive Tissue Cryopreservation Programme, Oxford, UK

P143 The prevalence of chromosomal abnormalities in couples experiencing recurrent miscarriages
Neha Mehboob1; Abhijit Dixit1; Katherine Martin2; Kanna Jayaprakasan3; 1University of Birmingham; 2University Hospitals of Nottingham; 3University of Nottingham
**Ovary**

**P144** ICSI does not improve reproductive outcomes in varied ovarian response cycles in the absence of male factor subfertility: analysis of 327,979 index ART treatment cycles  
Prasanna Raj Supramaniam; Oxford University Hospital NHS Foundation Trust

**P145** Effect of post-thaw processing conditions on human ovarian stroma  
Briet Bjarkadottir; Nina Boskovic; Babatomisin Adeniran; Sheila Lane; Suzannah Williams; Nuffield Department of Women’s and Reproductive Health, University of Oxford, Oxford, UK; Department of Paediatric Oncology and Haematology, Children’s Oxford University Hospitals NHS Foundation Trust, Oxford, UK

**P146** Morphological and molecular assessment of cryopreserved bovine ovarian tissue  
Paula Comally; Georga Longhurst; James O’Connor-Moneley; Lynne O’Shea; University College Dublin

**P147** Optimising the differentiation of granulosa cells from mouse embryonic stem cells  
Lucy Watson; Kate Hardy; Andrew Childs; Royal Veterinary College, UK; Imperial College London, UK

**P148** A proposed national guideline for the management of ovarian torsion  
Linda Farahani; Sarah Wall; Monica Mittal; Raj Rai; Rehan Salim; Lisa Webber; Imperial College Healthcare NHS Trust

**P149** Ovarian histomorphometry and follicular development in pre-pubertal albino rats with dietary vitamin D supplementation  
Edmund Mbeegbu; Ikechukwu Obidike; Andrew Childs; Ali Fouledi-Nashta; University of Nigeria, Nsukka; Imperial College, London, UK; Royal Veterinary College

**P150** Determining frozen ovarian cortical tissue composition after enzymatic dissociation  
Babatomisin Adeniran; Eleni Papadouloupou; Sheila Lane; Suzannah Williams; University of Oxford; Oxford Reproductive Tissue Cryopreservation Programme & NHS Foundation Trust, Oxford

**P151** Mid-cycle scans in controlled ovarian stimulation, are they needed? A re-audit from a large IVF centre  
Lewis Nancarrow; Benjamin Twist; Andrew Drakeley; Hewitt Fertility Centre

**P152** Do environmental contaminants alter oviduct epithelial nutrient transport?  
Vasiliki S Papachristofi; Jeanette M Rotchell; Roger G Sturme; Hull York Medical School, University of Hull; University of Biological and Marine Sciences

**P153** Diagnostic accuracy of oxidation-reduction potential (ORP) in predicting the outcome of intrauterine insemination  
Josephine Wooler; Jessica Meadows; Amy Sharpe; Michaela Wyner; Rory Turley; Jane Blower; Neelam Potdar; Leicester Fertility Centre

**P154** A comparative analysis of birth weights following a fresh or frozen blastocyst single embryo transfer  
Naima Syed; Rahul Naik; Hayley Fryer; Lucy Richardson; Abbie Drinkwater; Herts and Essex Fertility Centre

**P155** Does ovarian response differ with age in women with diminished ovarian reserve?  
Glua Antwi-Ahima; Meenakshi Choudhary; Newcastle Upon Tyne Hospitals NHS Trust

**P156** The atypical profiles of HDP biomarkers in aged pregnancy with hypertensive disorders of pregnancy: analysis of maternal senescence  
Kiichiro Furuya; Keiichi Kumasawa; Hitomi Nakamura; Tadashi Kimura; University of Tokyo; Department of Obstetrics and Gynecology, Osaka University Graduate School of Medicine

**P157** The effect of ovine whole ovary cryopreservation on the oocyte and its developmental potential  
Adwoa Dadson; Dian Wang; Juan Hernandez-Medrano; Walid Maalouf; University of Nottingham

**P158** Should clomifene citrate be available in primary care: an in-depth interview study  
Heather Garthwaite; Jane Stewart; Scott Wilkes; University of Sunderland; Newcastle Fertility Centre at Life

**P159** CGG-repeat RNA aggregates induce granulosa cell death in a model of Fragile X-associated premature ovarian insufficiency  
Roseanne Rosario; Nila Roy Choudhury; Hazel Stewart; Gracjan Michlewski; Nicolas Charlet-Berguerand; Richard A Anderson; University of Edinburgh; Institut de Génétique et de Biologie Moléculaire et Cellulaire
Uterus/Tract

P160 Reproductive outcomes and predictors for success following hysteroscopic tubal cannulation for proximal tubal disease
Sam Dobson1; Beth Conroy; Jonathan Skull1; Mostafa Metwally1; Bola Ola1; 1Jessop Wing, Sheffield Teaching Hospital

P161 A computational exploration of extracellular vesicles behaviour in the maternal tract
Carlos Morales-Garduno1; Dawn Walker2; Alireza Fazeli3; 1Department of Computer Science, The University of Sheffield, UK; 2Department of Computer Science, The University of Sheffield, UK and Insigneo Institute for in silico Medicine, Sheffield UK; 3Department of Pathophysiology, University of Tartu, Estonia and Department of Oncology & Metabolism, The University of Sheffield

P162 Progesterone regulates expression of mammal specific conserved miRNAs and their predicted targets in endometrial epithelial cells and may modify their secretion via extracellular vesicles in vitro
Laura Hume1; Haidee Tinning1; Dapeng Wang2; Alysha Taylor3; Nigel Simpson3; Jayne Shillito3; Mary O’Connell3; Niamh Forde3; 1University of Leeds; 2Leeds Teaching Hospitals NHS Trust; 3University of Nottingham

P163 A set of microRNAs that emerged at the origin of placental mammals and retained thereafter, respond to physiological cues in the endometrium involved in early pregnancy success, in different species
Alysha Taylor1; Haidee Tinning1; Bede Constantinides1; David Orr1; Laura Hume1; Mary O’Connell1; Niamh Forde1; 1University of Leeds; 2University of Nottingham

P164 Using a microfluidics approach to investigate how maternal metabolic stressors alter the proteomic composition of the uterine luminal fluid secretome produced in vitro
Tiago DeBem1; Haidee Tinning1; Stefania Moutevelidi1; Elton Vasconcelos1; Niamh Forde1; University of Leeds

P165 Microfluidic devices can isolate higher quality sperm compared to density gradient centrifugation
Paweena Kaewman1; Max Meissner2; Samur Thanoi2; Sutisa Nudmamud-Thanoi2; Steven Reynolds3; Vasily Kantsler2; Allan Pacey3; 1Naresuan University, Thailand; 2University of Warwick, UK; 3University of Sheffield, UK

P166 Examining the impact of mitosis duration on embryo development
Adélaïde Allais1; Greg FitzHarris2; CRCHUM, Université de Montréal, Canada

P167 Placental endocrine malfunction programs metabolic derangements in offspring
Amanda Rodgers1; Hannah Yong1; Jorge Lopez-Tello2; Ionel Sandovici1; Miguel Constancia1; Amanda Sferruzzi-Perri3; University of Cambridge

P168 Developmental programming of Mesenchymal Stem/Stromal cells (MSCs) by foetal growth restriction
Cristina Esteves1; Viktorija Avikina1; Blake Klein1; Yennifer Cortes-Araya1; Susan Dan-Jumbo1; Claire Stenhouse1; Xavier Donadeu1; The Roslin Institute

P169 Can monitoring progesterone levels in frozen embryo transfer cycles reduce pregnancy loss
Yvonne Lodge1; Andrina Louisy1; Diana Baranowski1; Judy Reid1; Alison Campbell2; CARE Fertility, Tunbridge Wells

P170 Pressure effects of oil and water-soluble contrast media in tubal flushing: A pilot study
Amir M Hajiyavand1; Anjana Kothandaraman1; Inez Roest2; Carolien Koks2; Velja Mijatovic3; Ben W Mol4; Karl D Dearn1; 1University of Birmingham; 2Maxima Medical Centre; 3Amsterdam University Medical Centre; 4University of Monash

P171 Insulin-like growth factor 2 overexpression alters murine placental structure
Bethany Akroyd1; Simon Tunster1; Amanda Sferruzzi-Perri2; 1Centre for Trophoblast Research, Department of Physiology, Development and Neuroscience, University of Cambridge, Cambridge, UK

P172 Oocyte cytoplasmic maturation: design, organisation and synchrony
Xavier Vinals Gonzalez1; Christopher Thrasivoulou1; Matthew Gaunt1; Srijida Seshadri1; Paul Serhal1; Sioban Sen Gupta1; 1The Centre for Reproductive and Genetic Health; 2Research Department of Cell and Developmental Biology, University College London; 3Institute for Women’s Health, University College London

P173 Determining true background rate of endometriosis and if diagnosis preoperatively can be made, in a low risk population, utilising a questionnaire
Nicola Tempest1; Amy Whelan2; Marie Phelan2; Dharani Hapangama2; 1Liverpool Women’s Hospital; 2University of Liverpool

P174 Using nuclear magnetic resonance metabolomics as a non-invasive way of diagnosing endometriosis
Nicola Tempest1; Amy Whelan2; Marie Phelan2; Dharani Hapangama2; 1University of Liverpool; 2University of Liverpool
**Oocytes**

**P175** Bisphenol S causes mitochondrial dysfunction and meiotic defects during pig oocytes maturation  
Sarka Prokesova1; Tereza Zalmanova1; Kristyna Hoskova1; Michal Benes1; Jan Nevora1; Jaroslav Petr1;  
1Institute of Animal Science, Prague; 2Biomedical Center, Faculty of Medicine, Charles University, Pilsen,  
Czech Republic

**P176** In an egg donation programme, does AMH, age and history of previous pregnancy predict the  
number of mature oocytes obtained?  
Vanessa Pataia1; Marta Wolska1; Jinning Wang2; Nick Macklon1; Kamal Ahuja; London Egg Bank, London  
Women’s Clinic

**P177** Is the presence of multi-nucleation on Day2/3 associated with reduced implantation potential?  
Ashley Payne1; Lyndsey Zujovic2; Nurture Fertility

**P178** The pig as a model for cloacal malformations  
Lucy Scriven1; David Gardner1; Richard Wood2; Jonathan Sutcliffe3; Alun Williams4; 1University of  
Nottingham; 2Nationwide Children’s Hospital, Columbus, Ohio, USA; 3Leeds General Infirmary;  
4Nottingham University Hospitals NHS Trust

**P179** Deep learning assessment of ICSI morphology as a predictor of ICSI success  
Angela Colangelo1; Peter He1; Marco Toschi2; Stuart Lavery3; Cristina Hickman1; 1Imperial College London;  
2Instituto Valenciano De Infertilidad SA

**P180** The operator during oocyte retrieval matters: Findings from a large cohort of more than 10,000 cycles  
Thanos Panathanasiou1; Chaya Prasannan-Nair1; Vijayalakshmi Babbur1; Valentina Mauro1; Sharleen Hapuarachi;  
Nausheen Mawal1; Bourn Hall Clinic

**P181** Involvement of ATP in the differential sensitivity of InsP3- and Sr2+-induced Ca2+ release between  
mouse and human eggs  
Anna Storey1; Yisu Wang2; Khalil Eligmait; Paul Knaggs3; Karl Swann4; 1Wales Fertility Institute; 2Cardiff University

**P182** Age and stage specific sensitivity of prepubertal mouse oocytes to virification-warming  
Akshatha Daddangadi Prabhakara1; Shubhashree Uppangala1; Guruprasad Kalthur1; Riccardo Talevi1;  
Satish Kumar Adiga1; 1Department of Clinical Embryology, Kasturba Medical College Manipal, Manipal  
Academy of Higher Education Manipal; 2Dipartimento di Biologia, Università di Napoli “Federico II”,  
Complesso Universitario di Monte S Angelo, Napoli, Italy

**P183** Distinct modes of chromosome lagging in meiosis-I predict aneuploidy in mouse oocytes  
Aleksandar Mihaelovic1; Caitlin Mehrotra2; Greg Fitzharris1; CRCHUM, Université de Montréal, Montréal, Canada

**P184** Mouse embryonic stem cell model reveals maternal protein restriction around conception alters  
embryonic signaling and metabolic phenotype  
Pooja Khurana1; Andy Cox2; Barira Islam3; Patrick McHugh1; Neil Smyth4; Tom Fleming1; 1University of  
Southampton; 2University of Cambridge; 3University of Huddersfield

**P185** Proper structure of the oocyte-cumulus extracellular matrix depends on the interaction between  
hyaluronan and inter-alpha-trypsin inhibitor proteins in ovarian follicles  
Eva Nagyova1; Petr Vodicka1; Institute of Animal Physiology and Genetics, Czech Academy of Sciences,  
Libechov, Czech Republic

**P186** Single strand DNA-binding proteins (Ssb1 and Ssb2): Novel determinants of oocyte development and  
female fertility  
Senthil Narayanan Subramanian1; Hayden Homer; University of Queensland - Centre for Clinical Research

**Embryo**

**P187** Classification of embryos at the morula stage is highly correlated with live birth outcome  
Sue Montgomery1; Alison Campbell2; Fiona Foad3; Laina Davies4; Louise Best1; Natalie Davis5; Rachel  
Smith1; Sam Duffy1; Sarah Thribly-Moore6; Stacy Wheat1; 1CARE Fertility Tunbridge Wells; 2CARE Fertility  
Northampton; 3CARE Fertility Nottingham; 4CARE Fertility Birmingham; 5CARE Fertility London

**P188** Types of vacuolation, in the human preimplantation embryo and association with live birth  
Rachel Smith1; Alison Campbell1; Sue Montgomery2; Louise Best1; Fiona Foad3; Natalie Davis4; Samantha Duffy;  
Sarah O’Boyle5; Sarah Thribly-Moore6; Stacy Wheat1; Laina Davies4; 1CARE Fertility; 2CARE Manchester;  
3CARE Tunbridge Wells; 4CARE Northampton; 5Beacon CARE Fertility; 6CARE Birmingham; 7CARE London;  
8CARE Nottingham
POSTERS LISTING

P189 Can blastocyst percentage of re-expansion after warming be used to predict implantation potential and live birth outcome?
Carmen Miralles Cuadrado; Fatima Mirzazadeh; Mohammed Khairy; Ellen Armstrong; Megan Lockwood; Lynne Nicie; Alison Campbell; Louise Best; CARE Fertility Northampton; CARE Fertility Birmingham; CARE Fertility Sheffield; CARE Fertility

P190 A prospective randomized sibling-oocyte study of two uninterrupted media systems for culturing blastocysts: impact in blastulation, implantation and ongoing pregnancy rates
Marcela Calonge; Diego Marin; Dafne Machuca; Blanca Morales; Marcos Meseguer; Carlos Troncoso; IVI Santiago de Chile; Basking Ridge, New Jersey; IVI Valencia

P191 Blastocyst’s cell membrane lipid profile can be changed upon the co-culture with multilamellar vesicles: a new strategy to modulate lipids in embryos?
Gisele Zoccal Mingoti; Hugo De Rossi; Luana Teixeira Rodrigues Rossi; Giovana Barros Nunes; Monique Lemos; Elio da Silva Feitosa; Daniele Fernanda de Oliveira Rocha; Ana Valeria Colnaghi Simonato; Pedro Henrique Benites Aoki; Marcelo F. Gouveia Nogueira; São Paulo State University (UNESP); The University of Campinas (UNICAMP)

P192 Using morphokinetics to determine which high quality blastocyst to select for transfer
Agnieszka Florek; Georgina Pool; Shaun Rogers; GENNET City Fertility

P193 Is the increase in success rate overtime observed in the HFEA register associated with increased proportion of blastocyst transfers?
Cristina Hickman; Celine Jacques; Samya Barkaoui; Julio Louzada; Caroline Noublanche; Lucy Beaumont; Mara Kotrotsou; Apricity

P194 CPEB2 mediates stabilization and subcellular localisation of TJP1 mRNA during mouse blastocyst formation
Inchul Choi; Seulah Lee; Chungnam National University

P195 Association between blastocyst grade and day of biopsy and euploidy rates
Thomas Stavrikas; Abeo McCollin; Balsam Al-hashimi; Julija Gorodeckaja; Kamal Ahuja; Nick Macklon; Michael Summers; London Women’s Clinic

P196 Progesterone levels on the day of euploid frozen embryo transfer following preimplantation genetic testing does not impact livebirth rate
Efstathios Theodorou; Jara Ben Naji; Ozkan Ozturk; Carleen Heath; Suzanne Cawood; Paul Serhal; The Centre for Reproductive & Genetic Health

P197 How many oocytes are required to generate at least one euploid embryo?
Thomas Stavrikas; Michael Summers; Julija Gorodeckaja; Balsam Al-hashimi; Elena Linara-Demakakou; Jinjun Wang; Kamal Ahuja; Nick Macklon; London Women’s Clinic

P198 Assessing the impact of maternal age on frozen embryo replacement outcomes
Barbara Manukian; Geet Sarodey; Sotrios Saravelos; Annabel Rattos; Marta Jansa; Rehan Salim; Wolfson Fertility Centre, Hammersmith Hospital, Imperial College NHS Trust

P199 Does EmbryoGlue® have an impact on outcomes for fresh and frozen day 5 embryo transfers?
Patricia Fadon; Kimberley Hill; Dima Abd; Danielle Breen; Thames Valley Fertility

P200 Choice of oil impacts the degree of osmolality change of single step IVF culture medium within non-humidified incubators
Stephanie Gadd; CARE Fertility Bath

P201 Avoiding day 3 morphological assessment improves embryo utilisation rates with the use of a single step culture medium in standard culture incubators
Sarah Owen; Emily French; Mariano Mascarenhas; Karen Thompson; Adam Balen; Leeds Fertility

P202 Is day three KIDScore an effective tool to predict blastocyst development, and defer embryo transfer to day five?
Chloe Hardy; Stephen Harbottle; Michael Carrol; Katie Heywood; Katherine Greer; Cambridge IVF; Kefford House; Manchester Metropolitan University

P203 Preliminary experience with KIDScore
Daniela Smale; Connie Neville; Joel Gunn; Anthony Price; Sue Ingamells; Wessex Fertility

P204 Embryo development and function is compromised by concentrations of advanced glycation end products found within the obese uterine environment
Jennifer Hutchison; Thi Thanhmai Truong; Lois Salamons; Jemma Evans; David Gardner; Department of Molecular and Translational Science; Centre for Reproductive Health; School of Biosciences, University of Melbourne, Australia; Centre for Reproductive Health, Hudson Institute of Medical Research, Melbourne, Australia

P205 Do we need a laser to perform trophectoderm biopsy for PGT-A?
Ellen Armstrong; Alison Campbell; CARE Fertility
P206 Effects of AdipoRon, an adiponectin receptor agonist, on proliferation and steroid secretion by human granulosa cells
Jérémy Grandhaëy1; Anthony Estienne1; Sandy Hmadeh1; Ingrid Plotton1; Floriane Levasseur1; LeGuevel Remy1; Yves Le Vern1; Christelle Rame2; Eric Jeannipierre2; Fabrice Guerif1; Joëlle Dupont1; Pascal Froment1; 1INRA UMR85 Physiologie de la Reproduction et des Comportements; 2Strasbourg University; 3Molecular Endocrinology and Rare Diseases, University Hospital, Claude Bernard Lyon 1 University; 4ImPAccel plateform, SFR BIOSIT, University of Rennes; 5INRA UMR1282 Infectiologie et Santé Publique, Cytometry Platform

P207 Naringenin upregulates the expression of CYP17 and CYP 19 in the rats testes; any effects on sperm functionality?
Misturah Adana1; Edidiong Akang1; Simeon Eche1; Ofor Ugochukwu1; Onyemaechi Azu1; 1University of Ilorin; 2University of Lagos; 3University of KwaZulu-Natal

P208 Time lapse and older patients; does it improve their chances?
Charlene Freeman; Jane Blower; Tarek Gelbys; Amy Sharpe; Neelam Potdar; Leicester Fertility Centre

P209 Species-specific dynamics of mitochondrial content within an embryo during preimplantation development in mice and cattle
Masaya Komatsu; Fumi Yokoi; Shun Imai; Maiko Yamane; Hanako Bai; Masashi Takahashi; Manabu Kawahara; Hokkaido University

P210 Impact of below average trophectoderm or inner cell mass grading on implantation rates in 2385 consecutive cases
Catarina Moreira; Trina Shah; Elena Linara-Demakakou; Kamal Ahuja; Nick Macklon; Jinhun Wang; London Women’s Clinic - London

P211 Aetiology and prevalence of uterine factor abnormality among women attending infertility clinic at a tertiary hospital in north-west Nigeria: a cross-sectional study
Abdulrafiu Popoola1; Adebiyi Adesiyun2; 1Nigeria Defence Academy Hospital, Kaduna; 2Ahmadu Bello University Teaching Hospital

P212 Clinical outcome of day 6 cryopreserved embryos transferred into day 5 endometrium
Linsey White; Joanne Leitch; Daniel Collins; Catherine Beaton; Glasgow Royal Infirmary

P213 Embryo-secreted microRNA miR-294 is correlated to DNA fragmentation at the blastocyst stage
Dimitra Makri; Eftychia Michailidou; Panagiota Efthymiou; Wald Maalouf; University of Nottingham

P214 Could the use of TUDCA in in vitro culture of bovine embryos be beneficial to its development?
Elisa Mariano Pioltine; Camila Bortoliero Costa; Marcelo Fábio Gouveia Nogueira; São Paulo State University (UNESP)

P215 Optimal concentration of Acetyl-L Carnitine for use in in vitro bovine embryo production
Gizem Guven Ates; Desmond AR Tut; Wing-Yee Kwong; Constance E Clare; Kevin D Sinclair; School of Biosciences, University of Nottingham, UK

P216 Effects of high non-esterified fatty acids exclusively during in vitro fertilisation on levels of reactive oxygen species in bovine zygotes
Abdullah Idriss1; Edward Okello1; Roger Sturmey2; Miguel Velazquez2; 1Newcastle University; 2Hull York Medical School

P217 Non-invasive embryo evaluation and selection in Assisted Reproduction Treatment (ART): Systematic review and meta-analysis
Marie Claire Aquilina1; Wald Maalouf1; Kannamannadi Jayaprakasan2; 1University of Nottingham, UK; 2University of Nottingham, UK and Royal Derby Hospital, Derby, UK

P218 Examining the effect of nicotine on a mouse model of the ovarian reserve
Sara Idrees; Mark Fenwick; University of Sheffield

P219 Myometrial function and viability following controlled-rate cryopreservation of ovine uteri
Sabrina Jaffer; Matthew Elmes; Juan Hernandez-Medrano; University of Nottingham

P220 Prevalence of eating disorders amongst pregnant women attending antenatal care at a tertiary teaching hospital in north-west Nigeria: outcome with the use of a screening tool
Sakina Gazali; Adebiyi Adesiyun; Ahmadu Bello University Teaching Hospital

Miscellaneous Posters

P221 Microsurgical Testicular Sperm Extraction (micro-TESE) for azoospermia at a large tertiary referral centre: demographics and histopathological results
Abigail Kwok1; Andrew Baird1; Andrew Drakeley1; Marc Lucky1; 1Aintree University Hospital NHS Foundation Trust; 2Liverpool Women’s NHS Foundation Trust
**POSTERS LISTING**

**P223** Sertoli only cell syndrome in non-obstructive azoospermic men: what can we do to increase sperm yield from micro-TESE?  
Abigail Kwok\(^1\), Andrew Baird\(^1\), Andrew Drakeley\(^1\), Marc Lucky\(^1\); \(^1\)Aintree University Hospital NHS Foundation Trust; \(^2\)Liverpool Women’s NHS Foundation Trust

**P224** Evaluation of patient information leaflets provided in Fertility Centre by the Flesch and Flesch-Kincaid method  
Niveda Aravind\(^1\), Alison Mctavish\(^1\), Abha Maheshwari\(^1\); \(^1\)Robert Gordon College; \(^2\)University of Aberdeen; \(^3\)NHS Grampian

**P225** Evaluation of return rates of female oncofertility patients and a comparison with male return rates  
Maddison Davies\(^1\), Zachariah Shehadeh\(^2\), Arianna D’Angeolo\(^3\), Mona Zaki\(^4\), Grace Jose\(^5\), Gurpreet Kaira\(^6\); \(^1\)Cardiff University Medical School; \(^2\)Wales Fertility Institute

**P227** The effect of unincorporated cells on blastocyst grade and treatment outcome  
Konstanca Neville; Daniela Smale; Joel Gunn; Anthony Price; Sue Ingamells; Wessex Fertility

**P228** Obstetric outcomes in women with severe ovarian hyperstimulation syndrome following assisted reproduction: a case-control study  
Rosie Oatham\(^1\), Candice Cheung\(^1\), Jason Kasraie\(^2\), Andrew Sizer\(^2\); \(^1\)Keele University School of Medicine; \(^2\)Shrewsbury and Telford Hospital NHS Trust

**P229** Injudicious Clomiphene Citrate (CC) therapy in the secondary care setting  
Thomas Bamford; Charles Kingsland; Lancashire Teaching Hospital Trusts

**P230** USE of intracytoplasmic morphologically selected sperm injection (IMSI) reduces risk of miscarriage and increases embryo utilisation in patients with high sperm DNA damage  
Blair Sowry\(^1\), Rabi Odia\(^1\), Sheena Lewis\(^2\), Paul Sarhai; Shahnaz Mowla\(^1\), Shirin Khanjani\(^1\), Jara Ben-Nag\(^1\); \(^1\)The Centre for Reproductive and Genetic Health; \(^2\)Examen; \(^3\)Imperial College London

**P231** Which is the best AMH or AFC in predicting ovarian response in IVF for patients with discordant AMH AFC results?  
Alaa Abdulah\(^1\), Nick Raine-Fenning\(^2\), Lucasz Polanski\(^3\); \(^1\)University Hospital of North Durham; \(^2\)Nottingham University Research and Treatment Unit in Reproduction and Infertility

**P232** A re-evaluation of NICE guidance for donor insemination: evidence from 8.922 consecutive treatments from a single centre  
Daniel Bodri; Elena Linara-Demakakou; Jinjun Wang; Giuseppina Lamanna; Mimi Arian-Schad; Shailaja Nair; Nick Macklon; Kamal Ahuja; London Women’s Clinic

**P233** A national survey of fertility preservation in clinical practice across the United Kingdom in paediatric oncology specialist centres amongst under 18 year olds with cancer  
Hannah Newton\(^1\), Amanda Friend\(^2\), Catherine Hayden\(^2\), Roderick Skinner\(^3\), Helen Picton\(^4\), Adam Glaser\(^5\); \(^1\)University of Leeds; \(^2\)Leeds Teaching Hospitals Trust; \(^3\)Great North Children’s Hospital; \(^4\)University of Leeds and Leeds Children’s Hospital; \(^5\)Leeds Teaching Hospitals Trust

**P236** Developing a core definition set for future infertility research and reporting: an international consensus development study  
Yusuf Beebeejaun\(^1\), James Duffy\(^2\); \(^1\)King’s Fertility; \(^2\)Cochrane Gynaecology and Fertility Group, University of Auckland, New Zealand

**P239** Does the Endometrial Receptivity Array test improve pregnancy rates in patients with recurrent implantation failure?  
Victoria Chinn; Megan Newberry; Jolly Joy; CARE Manchester

**P240** Patients with AMH AFC discordance in IVF, which is the best to predict ovarian response AMH or AFC in patient with Discordant AMH AFC results in IVF  
Alaa Abdulah\(^1\), Nick Raine-Fenning\(^2\), Lucasz Polanski\(^3\); \(^1\)University Hospital of North Durham; \(^2\)Nottingham University Research and Treatment Unit in Reproduction and Infertility

**P241** Embryo quality, morphokinetics and clinical pregnancy outcomes: a comparison between three different gamete/embryo single-step culture media  
Hannah Williams\(^1\), Michael Carroll\(^2\), Ellen Drew\(^2\); \(^1\)NHS Tayside; \(^2\)Manchester Metropolitan University

**P244** Defining the immune-epithelial IL-17 axis in the endometrium  
Fiona Reidy\(^1\), Federica Giangrazia\(^1\), Roisin Kavanagh\(^2\), Mary Wingfield\(^2\), Cliona O’Farrelly\(^1\), Louise Glover\(^2\); \(^1\)Merrion Fertility Clinic; National Maternity Hospital; \(^2\)Trinity College Dublin; \(^3\)Merrion Fertility Clinic, Trinity College Dublin

**P245** Natural vs medicated frozen embryo transfer: biochemical rate  
Catarina Gomes; Sophie Bird; Epsom and St Helier University Hospitals NHS Trust
Also attached edits for the plan – sold stands can stay same colour as on your plan.

And we lose a couple of panels off the posters above 25 and 26 so they will fit in.

Thanks!!!

ACE 56
Air Products 59
BabySentry 58
Besins Healthcare (UK) Ltd 57
BFS 54
BioCare Europe - Part of FUJIFILM 51
Irvine Scientific 47
BioTipp 47
California Cryobank 4
Capture Fertility by Silverlink Software 12
Casmed International Ltd 52
Cook Medical 34
Cooper Surgical Fertility and Genomic Solutions 22
Cryos - International Sperm & Egg Bank 31
Cryotherm GmbH & Co KG 10
de Smit Medical Systems Ltd 32
European Spermbank 25
Examen Lab 48
Fairfax Cryobank 36
Fenomatch S.L 39
Ferring Pharmaceuticals 18
Fertility Connected 41
Fertility Consent 26
Fertility Network UK 30
Gedeon Richter UK 44/45
Genial Compliance Systems Ltd 5
Guerbet 40
Hunter Scientific Ltd 13-15
Igenomix UK 53
IMT International Ltd 16-17
IVIRMA 43/50
Kebomed UK 46
KSMC 42
LogixX Fertility 6-7
London Sperm Bank 27
Matcher Technologies 16
MedITEX the software of life 33
Mellowood Medical (IDEAS) 29
Merck 23/28
Mermaid Medical UK 60
Microm UK Ltd 20
MPI Group 11
Pharmasure 19
Pharmasure 24
Planer 1-2
Progress Educational Trust 49
Salve Technologies Limited 21
SRF 55
Theramex 37
The Fertility Partnership 62
UK NEQUAS Reproductive Science 35
University of Dundee 38
Vitrolife Ltd 8-9
World Egg Bank 3
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The NURSE Study Day returns, with an excellent new programme, offered at a discounted fee this year. This day will help Fertility Nurses review their personal career pathway and contribute to revalidation and development of their knowledge and expertise. The day is relevant to Fertility Nurses at every stage of their career and nurses with a longer career in fertility will be most welcome as it is an important opportunity to share experiences with newer Nurses and shape the future of this specialist area of practice.

Introduced last year, the popular joint BFS/HFEA 2-day PERSON RESPONSIBLE / EFFECTIVE FERTILITY SERVICES module returns. This module helps current or aspiring PRs gain a firm understanding of legislation and quality management issues, covering all aspects of developing and running an effective fertility service. This module provides the basis for recognition and registration as a PR by the HFEA.

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Pelvic Ultrasound (2-days) £375 BFS member / £575 non member 15-16 June
Creating Modern Families (1-day) £200 BFS member / £400 non member 15 June
Preserving Fertility in Cancer (1-day) £200 BFS member / £400 non member 15 June
PGT Study day (1-day) £200 ACE/BFS member / £400 non member 16 June
Nurses Study Day (1-day) £100 BFS member / £200 non member 16 June
Embryo Transfer & IUI (1-day) £200 BFS member / £400 non member 17 June
PR / Effective Fertility Services (2-days) £325 BFS member / £525 non member 17-18 June
Male Fertility (1-day) £200 BFS member / £400 non member 18 June

Fees above include VAT, Lunch and refreshments and will increase after the earlybird

WHO SHOULD ATTEND STUDY WEEK?

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