

BJA Research Forum Spring 2024

PROGRAMME Day 1: 16th May 2024



9:00 – 9:45 Registration and tea/coffee

9:45 – 10:00 Welcome and Housekeeping (Professor Ben Shelley)

10:00-10:30 **Keynote Speaker: Professor Anthony Gordon, Imperial College London**

The Rise of Adaptive Platform Trials

10:30-11:30 **Abstract Session 1 (Chair - Professor Brendan McGrath) :**

- **10:30-10:45** Perioperative amide local anaesthetic and survival in cancer surgery- A systematic review with meta-analysis and trial sequential analysis. Raha West.
- **10:45-11:00** Association of patient reported ethnicity on risk of postpartum haemorrhage. Brendan O'Shea.
- **11:00-11:15** A randomised Feasibility study evaluating the effects of perioperative intravenous Lidocaine on COloRectal cancer outcome after surgery (FLICOR trial). Raha West.
- **11:15-11:30** Exploration of the capabilities of large language models in pre-operative assessment. Robert Burdon.

11:30-11:50 Tea/coffee

10:50-12:50 **Abstract Session 2 (Chair - Dr Angella Bryan) :**

- **11:50-12:05** Mechanisms underlying perioperative RV inflammation: a targeted proteomic analysis. Ben Shelley.
- **12:05-12:20** Nitrous Oxide Manifold and Other Reduction of Emissions (NoMoreGas): a Multi-Centre Observational Study Evaluating Nitrous Oxide Leakage. Chris Ward.
- **12:20-12:35** The mitochondrial bioenergetics in primary myotubes from mouse models of malignant hyperthermia are not directly related to increased sarcoplasmic calcium concentrations. Vikas Kaura.
- **12:35-12:50** Retrospective analysis of arterial blood pressure waveform data: how accurate are hourly recorded ICU vital signs? Richard O'Sullivan.

12:50-13:50 Lunch (provided)

13:50-15:20 **BJA Symposium 1 (Chair – Dr Nandor Marczin)**

Anaesthesia & Cancer Outcomes: The Latest Verdict

**13:50-14:15 Professor Daqing Ma, Imperial College London.
*Sedatives and cancer cell biology***

**14:15- 14:40 Dr Mats Enlund, Uppsala University, Sweden.
*Propofol or sevoflurane for breast cancer surgery - does it matter for long-term survival?***

**14:40-15:05 Professor Patrice Forget, University of Aberdeen.
*Opioids and cancer outcomes***

15:05-15:20 Panel discussion

15:20-15:40 Tea/coffee

15:40-16:55 **Abstract Session 3 (Chair - Dr Vikas Kaura) :**

- **15:40-15:55 Remimazolam Besylate inhibits human prostate cancer cell (PC-3) viability, migration and promotes apoptosis in vitro. Abdulrahman Alsharif.**
- **15:55-16:10 Peri-operative Smoking Cessation Advice: Bridging the Gap in a UK District General Hospital. Amit Parmar.**
- **16:10-16:25 Perioperative stress induces systemic hyperglycaemia and glycolytic dysfunction in leukocytes. Sanjali Anil Chu Ahuja.**
- **16:25-16:40 Inflammatory and metabolic bioprediction of postoperative acute kidney injury and vasoplegia in patients undergoing left ventricular assist device implantation. Nicole Tan.**
- **16:40-16:55 Outcomes following referral for sleep studies using STOP-BANG score. Paige Bayliss-Jones.**

17:00-17:20 **Anaesthetic Research Society Annual General Meeting**

All members (and non-members who are interested) are very welcome. You can read more about the ARS, how to get involved, and how to be nominated for a role with the society at www.ars.ac.uk.

End of Day 1 Scientific Programme

17:20 Drinks at the hotel bar (self-pay)

19:30 [Dinner in the Bugis Restaurant at the Hotel](#)

All members and non-members welcome.

£ 40 per head. Individuals should have chosen the dinner option when booking the course.

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PROGRAMME Day 2: 17th May 2024



8:30 – 9:00 Registration and tea/coffee

9:00 – 10:30 Abstract Session 4 (Chair - Dr Tanviha Quraishi-Akhtar):

- **09:00-09:15** Lung protective ventilation compared to conventional ventilation strategy reduces post-operative pulmonary complications in patients undergoing major non-cardiac surgery: A Systematic Review and Metanalysis. Alex Labey.
- **09:15-09:30** Postoperative vasoplegia in infective endocarditis: incidence and influence on morbidity and survival. Beatrice Franco.
- **09:30-09:45** Ergonomics in the anaesthetic workplace. Kezia Babu.
- **09:45-10:00** Ordinal Data Within the BIS Spectrum. Keenan Smith.
- **10:00-10:15** Peer Mentorship amongst junior doctors: Is this the solution to improving wellbeing? Amelia Milton.
- **10:15-10:30** The Lifetime risk of surgery in England: A nationwide observational cohort study. Tom Abbott.

10:30-10:50 Tea/Coffee

10:50-12:20 BJA Symposium 2 (Chair - Professor Gareth Ackland)

Anaesthesia, Organ Protection, and Recovery

10:50-11:15 Dr Henrike Janssen, Queen Mary University of London.
Perioperative metabolic dysfunction and organ injury

11:15-11:40 Dr Robert Dickinson, Imperial College London.
Acquired Brain injuries and Noble Gas Neuroprotection

11:40-12:05 Prof. Gudrun Kunst, Kings College London.
Perioperative organ protection and biomarkers for acute organ failure

12:05-12:20 Panel Discussion.

12:20-13:20 Lunch provided.

13:20 – 14:20 **Abstract Session 5 (Chair - Professor Ben Shelley):**

- **13:20-13:35** Cytoskeletal Dynamics and F-actin Redistribution Changes Induced by Lidocaine in Colon Cancer Cells: A Fluorescence Microscopy Analysis. Raha West.
- **13:35-13:50** Fast Track Echo Cardiography for Nurse Lead Preoperative Assessment in an NHS Orthopaedic Treatment Centre. Richard Marks.
- **13:50-14:05** The financial and environmental cost of anaesthetic emergency drugs: comparing ampoules with prefilled syringes. Edward Parkinson.
- **14:05-14:20** Mass spectrometry-based proteomics provides new insights into the mechanisms underlying perioperative myocardial injury. Shaun May.

14:20-14:35 Tea/Coffee

14:35-15:35 **Abstract Session 6 (Chair - Dr Shaun May)**

- **14:35-14:50** Antiplatelet and anticoagulation use and risk of bleeding from percutaneous dilatational tracheostomy insertion: systematic review and meta-analysis. Mark Brown.
- **14:50-15:05** Management of dysphagia using pharyngeal electrical stimulation in the general critical care population. Naomi Cochrane.
- **15:05-15:20** Exploring lidocaine's Cytostatic Effects and Modulation of the Tumour Microenvironment in Colorectal Cancer. Raha West.
- **15:20-15:35** Epidural-related maternal fever and interleukin-1 receptor antagonist: prospective Mendelian multicentre randomised controlled study (ISRCTN99641204). Gareth Ackland.

15:40-16:10 **Keynote Speaker: Professor Hugh Hemmings, Cornell University, USA**

Sleepy Synapses: How anaesthetics affect the brain

16:10-16:25 Results, prizes and awards.

Close of meeting