

British Journal of Anaesthesia Research Forum

Date: 30-31st May 2018

Venue: Royal College of Anaesthetists, London

Programme

Wednesday 30th May

09:30 **REGISTRATION AND COFFEE**

10:00 **Research abstracts - Session 1**

Chair: Dr Mike Sury, *London*

Cognitive Monitoring in Planned Arthroplasty Surgery Study (COMPASS)

A Woodgate, on behalf of the South West Anaesthesia Research Matrix (SWARM)

The association between frailty as assessed by the electronic frailty index and adverse postoperative outcomes

D Narganes, DJ Drayton, L McMenamin, TD Maclaine, D Wong, C Bates, A Kotze, SJ Howell

The effects of major hepato-pancreatico-biliary surgery and general anaesthesia on skeletal muscle mitochondrial respiration. A pilot study.

JL Stevens, H McKenna, A Murray, G Jell, M Guliyeva, D Martin

Dexmedetomidine attenuates spinal cord ischemia-reperfusion injury in rabbits

Zhixiang Sun, Tianyun Zhao, Shaojun Lv, Ying Gao, Joe Masters, Hao Weng

Case Series Report on Iatrogenic Subglottic Tracheal Stenosis

E Chang, L Wu, J Zhang, F Meng, CP Soo, D Ma

11:15 **REFRESHMENTS**

11:45 **Research abstracts - Session 2**

Chair: Dr Malachy Columb, *Manchester*

*** Perioperative Risk Factors for AKI following liver resection**

Amy Rene Rogerson, Zoka Milan.

*** Validation of an obstetric quality of recovery scoring tool (ObsQoR-11) after emergency caesarean delivery**

Howle R, Ciechanowicz S, C Heppolette, B Nakhjavani, Sultan P

Preoperative systemic inflammation and myocardial injury in non-cardiac surgery

GL Ackland, TF. Abbott, RM Pearse; VISION-UK Investigators

*Signifies eligibility for the President's Prize for undergraduate research.

Xenon treatment improves short-term and long term outcomes in a rodent model of traumatic brain injury

Rita Campos-Pires, Scott Armstrong, Anne Sebastiani, Clara Luh, Marco Gruss, Konstantin Radyushkin, Tobias Hirnet, Christian Werner, Kristin Engelhard, Nicholas P. Franks, Serge C. Thal & Robert Dickinson

Dose assessment of melatonin in sepsis trial- DAMSEL2: first dose cohort

HF Galley, L Allen, S Galt, BVJ Thottakam, G Cameron

1:00 **LUNCH**

2:00 **British Journal of Anaesthesia Symposium:
Discovery Science and Experimental Medicine in Anaesthesia,
Perioperative Medicine and Pain**

Chair: Professor Helen Galley, *Aberdeen*

Launch of the new Discovery Science and Experimental Medicine Group within NIAA and NIHR

Prof. Helen Galley, *Professor of Anaesthesia and Intensive Care, University of Aberdeen*

The contribution of small tubes and colourless solutions to anaesthesia research; an in vitro perspective

Prof. Dave Lambert, *Professor of Anaesthetic Pharmacology, University of Leicester*

The forgotten organ

Dr. Gareth Ackland, *Reader in Perioperative Medicine, Queen Mary University of London*

Anaesthesia and the brain: insights from human neuroimaging

Dr. Katie Warnaby, *Senior Research Scientist, University of Oxford*

3:30 **REFRESHMENTS**

4:00 **Research abstracts - Session 3**

Chair: Dr Katie Warnaby, *Oxford*

Evidence for NOP receptor expression and N/OFQ release from live B and T cells

M.F Bird, J.M. Willets, J.P Thompson, R Guerrini, G Calò, D.G Lambert

Xenon is neuroprotective against blast-traumatic brain injury *in vitro*

Rita Campos-Pires, Amina Yonis, Ashni Pau, Warren Macdonald, Katie Harris, Christopher J Edge, Nicholas P Franks, Peter F Mahoney & Robert Dickinson

A Novel Knock-in Mouse Model of the Most Common Human Malignant Hyperthermia RYR1 Variant Exhibits Enhanced Sensitivity to RYR1 Agonists.

V Kaura, X Liu, MA Shaw, PD Allen, PM Hopkins

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**MicroRNA profiles are associated with lymphocyte count after major traumatic injury:
a potential role for immunometabolism?**

TF Jones, HDT Torrance, HC Owen, K Brohi, MR Barnes, JC Knight, CJ Hinds, GL Ackland, MJ O'Dwyer

Melatonin as a potential treatment for sepsis: metabolomic consequences of high oral dosing

Bensita VJ Thottakam, Nigel R. Webster, Helen F. Galley

5:15 Meeting close

7:30 **DINNER**

Please join us at: Restaurant ISOLABELLA (Holburn)

For a 3 course fixed menu (3 choices) for £36 (<http://www.isolabellarestaurant.co.uk>)

Spaces for dinner can be booked via www.ars.ac.uk

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Thursday 31st May

8:30 REGISTRATION AND COFFEE

9:00 **Research abstracts – Session 4**

Chair: Dr Angella Bryan, *Manchester*

Clinical modulation of immunometabolism in sepsis.

S-J Turner, T Jones, J Sanchez, J Borgel, GL Ackland.

* **Clinical audit of the management of opioid use in chronic pain patients attending the Lothian Chronic Pain Service (LCPS).**

C Harris, L Colvin, V Davey.

* **Post-intubation laryngeal injury not associated with significantly worse secretion management when assessed by Fibreoptic Endoscopic Evaluation of Swallow.**

S Wallace, U Khalil, BA McGrath.

* **Activation of lung-marginated monocytes in initiating ventilator-induced extra-pulmonary inflammation**

W Du, M Takata, MR Wilson

* **Association between soluble Toll-like receptor 2 levels and confirmed diagnosis of sepsis: results of a case-control study**

Y Lim, T Szakmany, A-C Raby, MO. Labéta

10:30 REFRESHMENTS

11:00 **Plenary speaker**

Chair: Dr Ben Shelley, *Glasgow*

Perioperative medicine

Prof. Ramani Moonesinghe, *Consultant, University College London*

11:45 **Research abstracts – Session 5**

* **The relationship between optic nerve sheath diameter and outcome in out-of-hospital cardiac arrest patients.**

MJG Dunn, NH Young, VS McAtear

* **Better tracheostomy care through targeted education using social media.**

R Dawson, S Wallace, B Coe, B Bonvento, A Owen, J Lynch and BA McGrath

* **Postoperative pain and related outcomes after oesophagectomy**

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S Moffatt, S Venturini, C Williams, M Charlton, JP Thompson.

***Man vs. Machine: How good are Clinicians at Predicting Perioperative Risk?**

DJN Wong, A Sahni, JR Bedford, SK Harris, SR Moonesinghe, and the SNAP-2: EPICCS Investigators

12:45 **LUNCH**

1:45 **Research abstracts – Session 6**

Chair: Dr Brendan McGrath, *Manchester*

Cardiac Magnetic Resonance-Derived Strain-Rate: A novel technique for assessing right ventricular diastolic function post lung resection

E Murphy, A Glass, P McCall, J Kinsella, B Shelley

Visualising peripheral nerve trauma real-time using microultrasound during regional anaesthesia

Anu Chandra, Judy Yan, Yohannes Soenjaya, Christine Demore, Graeme McLeod

Identifying the needle tip position during regional anaesthesia with needle tip pressure at different flow rates

Anu Chandra, Judy Yan, Yohannes Soenjaya, Christine Demore, Malachy Columb, Graeme McLeod

Powering up VAP: determining the optimum measure for assessing the impact of interventions to reduce ventilator-associated pneumonia.

F Ng, T Felton and BA McGrath.

Automated determination of sublingual microcirculatory function in healthy volunteers

Rook W, Charlton M, Brown S, Nath M, Thompson JP.

3:00 Presentation of the President's Prize for Undergraduate Research by Dr Liam Brennan, President of the Royal College of Anaesthetists

3:15 **Close of Meeting**

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