



British Journal of Anaesthesia Research Forum

Date: 8-9th May 2019

Venue: Royal College of Anaesthetists, London

Programme

Wednesday 8th May

09:30 **REGISTRATION AND COFFEE**

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

Chair: Dr Mike Sury, Great Ormond Street Hospital, London

Potential anti-cancer effects of N-methyl-D-aspartate receptor antagonists *in vitro*

J Saito, H Zhao, M Iwasaki, L Wu, C Huang, Q Sun, K Hirota, D Ma.

Bupivacaine reduces release of interleukin- 1 receptor antagonist from circulating neutrophils obtained from women in active labour

A. G. del Arroyo, J. Sanchez, A. Reyes, G. L. Ackland, for EPIFEVER Investigators.

Bv8 contributes to neutrophil infiltration and triggers the angiogenesis of column cancer via ERK-VEGF signalling pathway

X Li, J Cui, L Wu, Q Sun, C Hu, L Ying, D Ma.

High daily caffeine intake is associated with lower propofol requirements for anaesthetic induction

S.O'Connor, S.Maese, M.Vizcaychipi

Orthostatic autonomic dysfunction is associated with post-operative morbidity in patients undergoing non-cardiac surgery

Joseph Reynolds, Shaun M. May, Anna Reyes, Gladys Martir, Shamir Karmali, David Brealey, Robert Stephens and Gareth L. Ackland.

11:15 **REFRESHMENTS**

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

Chair: Dr Gareth Ackland, Queen Mary University of London

Establishing a macrophage model of inflammasome activation under conditions mimicking sepsis to characterise the effects of melatonin.

Elena Musatti, Helen F Galley and Nigel Webster.

Neurodevelopmental outcomes following early childhood general anaesthesia in the Avon Longitudinal Study of Parents and Children (ALSPAC) UK birth cohort

Walkden GJ, Gill H, Davies N, Wright I, Pickering AE

Pharmacokinetic analysis after two different doses of melatonin in patients with sepsis

Helen F Galley, Lee Allen, Sally Galt, Bensita Thottakam, Gary Cameron

Relative kinetics of BNP and NT-proBNP following lung resection

E Murphy, A Glass, P McCall, B Shelley

NG feeding on ICU: Does it vary around the clock?

Ryan Barter, Matt Jackson, Paul Dark, David Ray, John Blaikley, Gareth Kitchen.

1:00 **LUNCH**

2:00 **British Journal of Anaesthesia Symposium:
*Novel Anaesthetic Agents***

Benzodiazepine general anaesthesia – time for another look?

Prof. Rob Sneyd, *Emeritus Professor, University of Plymouth*

New Ketamine Ester Analogues: Ketamine analgesia without the side effects?

Prof. Jamie Sleight, *Waikato Clinical School, University of Auckland*

Dexmedetomidine in anaesthesia and pain medicine - lessons from veterinary practice

Dr. Joe Murrell, *University of Bristol*

3:45 **REFRESHMENTS**

4:15 **Research abstracts - Session 3**

Chair: Dr Katie Warnaby, University of Oxford

Are neurotransmitter releases involved in the mechanism of general anaesthesia?

K Hirota, T Kushikata, M Kudo

Propofol exposure suppresses cancer growth in a xenograft model in mice

M Iwasaki, H Zhao, C Hu, L Wu, A Sherwin, A Sakamoto, D Buggy and D Ma

Enhanced extracellular calcium entry in skeletal muscle of malignant hyperthermia susceptible mice and humans

V. Kaura, J.R. López, M.A. Shaw, P.D. Allen, P.M. Hopkins

Xenon prevents early neuronal loss and neuroinflammation in a rat model of traumatic brain injury

Campos-Pires R, Mohamed-Ali N, Balaet M, Aldhoun J, Abelleira-Hervas L, Aitken P, Edge C, Franks NP, Dickinson R

Xenon Reduces Sevoflurane-induced Respiratory Depression and Neuro-Apoptosis in Immature Rats

Hannah Gill

5:30 Meeting close

7:30 **DINNER**

Thursday 9th May

8:30 REGISTRATION AND COFFEE

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

Chair: Dr Angella Bryan, University of Manchester

Video ethnography and reflexivity for the Multidisciplinary Team (MDT) in cardiac theatres

Nazifa Begum, Robert Gatherer, Gudrun Kunst

Serial proteomic characterisation of skin during the perioperative period

Ana Gutierrez del Arroyo, Trinda Cyrus, Fatima Bahelil, Emily Bliss, Wendy Heywood, Kevin Mills, Gareth L. Ackland, POM-O (PostOperative Morbidity-Oxygen) study group.

Propofol inhibits cancer malignancy by disturbing glucose metabolism through HIF-1 α and PEDF modulation

Cong Hu, Zhigang Liu, Masae Iwasaki, Qingquan Lian, Jia Li, Daqing Ma

Auditory and pain processing is severely disrupted at slow wave activity saturation under general anaesthesia

Holmgren J, Prisco L, Chiew M, Jbabdi S, Allen M, Sleight J, Tracey I, Warnaby CE

Hypocalcemia after Emergency Laparotomy - Does the choice of fluid administered have an influence?

Nichani R , Wu D , Ng A, Sumaguio R, Edge R, Downes R

Anxiety levels amongst patients with tracheostomies

Thomas Liney, Rhona Dawson, Rajan Seth, James Lynch, Sarah Wallace, Barbara Bonvento, Fung Kei Ng, Brendan A McGrath

10:30 REFRESHMENTS

11:00 **Plenary speaker**

Chair: Professor Helen Galley

“UCL female firsts - towards gender equality”

Professor Judith Stephenson, *Margaret Pyke Professor of Sexual and Reproductive Health, UCL Institute for Women’s Health*

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

Chair: Professor Helen Galley

In vitro effects of lidocaine on neutrophils from patients with sepsis

F Narhi, T Craven, A Rossi

Pre-hospital interventions for patients presenting with Out of Hospital Cardiac Arrest

Fung M, Lyon J and Vohra A

Active Noise Cancelling headphones with white noise to aid sleep in non-ventilated, non-delirious critical care patients: a randomised crossover trial

JD Owen, MJG Dunn

12:30 **LUNCH**

1:15 **Research abstracts – Session 6**

Chair: Dr V Kaura, University of Leeds

Intensive care in patients admitted following an Out of Hospital Cardiac Arrest (OHCA)

Lyon J, Fung M and Vohra A

Genetic Clues to Sepsis Pathogenesis

M Head Fourman, JK Baillie

Deploying Accelerometers for Assessing Recovery after Day Surgery

Anna Ratcliffe on behalf of South West Anaesthesia Research Matrix (SWARM)

The South East Anaesthetic Research Chain (SEARCH) trainee led research network experience of running its first homegrown multi-centre study

South East Anaesthetic Research Chain (SEARCH), Kent, Surrey & Sussex, UK

Patient satisfaction with tracheostomy care – a snapshot of UK practice

Tom Linney, Rhona Dawson, Rajan Seth, James Lynch, Sarah Wallace, Barbara Bonvento, Frankie Ng, Brendan A McGrath

2:30 **REFRESHMENTS**

3:00 **Research abstracts - Session 7**

Chair: Dr B Shelley, University of Glasgow

Peak Workload during Cardiopulmonary Exercise Testing is a predictor of one year survival following liver transplantation

O'Carroll J, Aleksic A, and Milan Z

Caudal block or skin infiltration for paediatric laparoscopic hernia repair: a survey of perioperative analgesia

LD Elgie, M George, M Sury

Systematic Review; does continuous non-invasive blood pressure monitoring improve patient outcomes?

Rook W, Vyas H, Yeung J

Measuring multidisciplinary staff engagement in a national tracheostomy quality improvement project using the NoMAD instrument

FK Ng, BA McGrath, R Seth, J Lynch, S Wallace, B Bonvento, M Finn, TL Finch

4:00 **MEETING CLOSE**