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

Bv8 contributes to neutrophil infiltration and triggers the angiogenesis of colon 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

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 Sleigh, *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**
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

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  REGISTERATION 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-1α 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

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

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 Firn, TL Finch

4:00  **MEETING CLOSE**