



**Programme for the Winter Anaesthetic Research Society Meeting  
(ARS) December 13<sup>th</sup> and 14<sup>th</sup> 2012 at the Royal College of  
Anaesthetists, London.**

**Thursday 13<sup>th</sup> December**

8.15 Coffee & Registration

**Session 1 Chair: Professor Phil Hopkins**

**08.30 Welcome and Introduction**

**Professor Phil Hopkins**

08.35 The NMDA-receptor glycine site mediates xenon neuroprotection against traumatic brain injury

K Harris

**08.50 Showcase: Professor Nigel Webster, Aberdeen**

09.05 Professor Helen Galley

**09.20 Showcase: Dr Iain Moppett, Nottingham**

09.35 Effect of prone positioning on cardiac output and liver blood flow

Marc Chikhani

09.50 A systematic review and meta-analysis of the influence of anaemia on mortality in hip fracture

Louise Potter

**10.05 Showcase: Professor JF Bion, Birmingham**

10.20 Coffee

## **Session 2 Chair: Dr Kyle Pattinson**

### **10.50 Guest lecture: Imaging Pain, Analgesia and Anaesthesia**

**Professor Irene Tracey, Oxford**

### **11.30 Showcase Professor Judith Hall, Cardiff**

11.45 Calibrating fMRI using hypercapnia and hyperoxia to provide CMRO<sub>2</sub> maps of the brain

AJ Stone

12.00 Gamma oscillations during sedation

Dr Neeraj Saxena

12.15 Human  $\gamma\delta$  T cells in severe bacterial sepsis

M Morgan

**12.45 Lunch (and Council Meeting- will council members take lunch quickly and proceed straight to meeting)**

## **Session 3 Chair: Professor Nigel Webster**

### **13.45 Showcase: Dr Lesley Colvin, Edinburgh**

14.00 Effects of glucocorticoids in macrophages

Alasdair Jubb

14.15 Detection of airway obstruction during opioid analgesia after surgery

Dr Gordon Drummond

### **14.30 Showcase: Professor Robert Sneyd, Plymouth**

14.45 Comparison of three advanced haemodynamic monitors to measure circulating volume status during major rectal surgery

T Starkie

15.00 Proportion of patients undergoing emergency surgery at risk of post-operative pulmonary and cardiac complications

Julie Lewis, T Clarke

15.15 Intrathecal ropivacaine+/-opioid vs bupivacaine+/-opioid peri-operatively: a meta-analysis  
R Malhotra

### **15.30 Showcase: Professor David Rowbotham, Leicester**

15.45 Classical opioid receptor mRNA is NOT present in whole human blood

MF Al Hashimi

16.00 Characterisation of Novel Fentanyl-Based Bivalent Opioids

MF Bird

16.15 Coffee

**Session 4 Chair: Professor Gary Mills**

**16.45 Showcase: Professor John Kinsella, Glasgow**

17.00 Adjustment of extravascular lung water calculation for volume of resected lung does not improve construct validity in thoracic surgical patients

Dr Ben Shelley

**17.15 Showcase: Professor Monty Mythen, UCL**

17.30 Prolonged postoperative morbidity is an independent risk factor for reduced long-term survival

Dr Ramani Moonesinghe

**17.45 Showcase: Professor Mike Grocott, Southampton**

18.00 Perioperative buffered versus non-buffered fluid administration for surgery in adults- A systematic review and meta-analysis

E Burdett

18.15 Changes in objectively measured physical fitness after long course neoadjuvant chemoradiotherapy and a six week prehabilitation programme in locally advanced rectal cancer patients – A blinded interventional study

M West

18.30 The Effects Of A 6 Week Prehabilitation Programme In Operable Rectal Cancer Patients Following Long Course Neoadjuvant Chemoradiotherapy

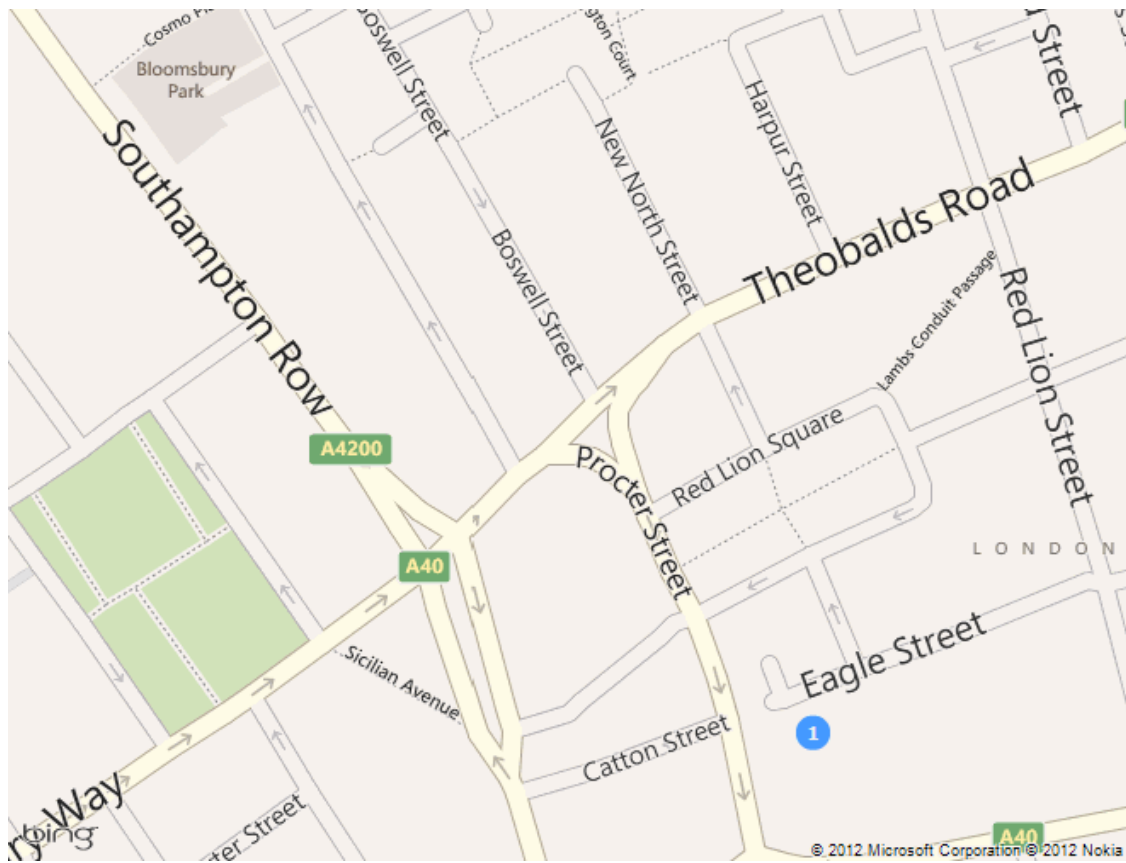
L Loughney

18.45 Cardiopulmonary exercise variables predict postoperative in-hospital morbidity after major rectal cancer surgery – A blinded observational study

M West

19.00-19.30 **AGM**

**20.00 Dinner at the Hush Brasserie, Holborn. (The blue circle labelled 1)**



**Friday 14<sup>th</sup> December**

8.15 Registration and coffee

**Session 5 Chair: Dr Cameron Weir**

**8.45 Showcase: Professor Gary Mills, Sheffield**

9.00 Mortality predictors in patients with haematological malignancies admitted to critical care  
Katy Browett

9.15 How valid is patient reported height and weight using an interactive, computerised pre-operative assessment questionnaire (ePAQ-PO)?

Dr John Andrzejowski

**9.30 Showcase: Professor Phil Hopkins, Leeds**

9.45 The impact of preoperative chemoradiotherapy on functional capacity and health related quality of life in rectal cancer patients

Dr Simon Howell

**10.00 Showcase: Professor Tim G Hales, Dundee**

**10.15 Showcase: Professor Brian Pollard, Manchester**

10.30 Functional EIT with Evoked Response (fEITER) images reveal areas of changing conductivity in the brain during the Valsalva manoeuvre (VM)

Tanviha Quraishi

10.45 A Study to Investigate the Correlation between Non-invasive Cardiac output monitoring and Oxygen Consumption during Exercise Testing

James Wood

**11.00 Coffee & President's Prize poster viewing (please visit the posters on the First Floor in the Gallery)**

**Session 6 Chair: Professor Helen Galley**

**11.30 Showcase: Professor David Menon, Cambridge**

**11.45 Showcase, Professor Martin Leuwer, Liverpool**

12.00 The pharmacogenomics of anaphylaxis to neuromuscular blocking agents

Dr Andrew Fisher

12.15 The effects of altered intrathoracic pressure on resting cerebral blood flow and its response to visual stimulation

A Hayen

- 12.30 Dynamic changes of the upper airway during laryngoscopy with the Macintosh and a new curved blade in the patient with the unexpected difficult airway

Koji Nishikawa

**5, 5 and 5 Oral presentations of posters (5 Powerpoint slides, 5 minutes slide presentation and 5 minute discussion**

- 12.45 Oral poster, Pete Charters: Mature Adoption of the ADAM Website
- 12.55 Oral poster, Seema Charters: Use of a Photographic Overlay Technique to revisit mechanisms and limitations of Macintosh laryngoscopy
- 13.05 Oral poster, B Batuwitage: Determining the best introducer for intubating with the C-MAC<sup>®</sup> D-blade videolaryngoscope
- 13.15 Oral poster, David Turnbull: Intubation difficulty after Cervical Spine fusion: A retrospective review

**13.25 Lunch & President's Prize poster viewing**

**Posters which are candidates for the President's Prize: These will be formally presented by authors at their posters on the first floor gallery between 13.20 and 14.10. Session Chairs: Cameron Weir and Kyle Pattinson**

**Presidents Prize Posters:**

S Barrowman: Anaesthetists as source of theatre acquired bacterial load

CH Geldart, TJW McKittrick: Identification of two mutations (F758W & F758Y) in the N-Methyl-D-Aspartate receptor glycine-binding site that selectively prevent competitive inhibition by xenon without affecting glycine binding

Adam Garland: Adult Dependency and Illness Severity Survey. Can inpatient surveys help plan critical care services?

Katie Green: Bispectral Index Monitoring of Depth of Propofol Anaesthesia during Endoscopy in Children

Daanesh Hassanbhai: Do Patients Want to Discuss their Anaesthesia with an Anaesthetist?

Rebecca Hawes: An evaluation of the influence of ASA status on duration of anaesthetic pre-assessment consultation

Lindsay Hennah: The use of anaesthetic agents in ovarian cancer: the effects of inhalational agent Isoflurane vs. intravenous agent Propofol on expression of cancer markers in Vitro

H Jothiraj: Distractions and the anaesthetist: a qualitative study of context and direction of distraction

Ayush Kapila: Does surgery accelerate the pathogenesis of Alzheimer's disease?

P Davies, S Roberts, D Armstrong (all first authors): The Influence of  $\beta$ -blockers in patients undergoing liver transplantation

Katherine Walker: A scoring system to predict the need for pre-operative CPET

#### **14.25 Session 7 Chair: Dr Graeme McCloud**

##### **14.25 Guest Lecture: "Memory and awareness in anaesthesia"**

**Professor Pete Sebel**

- 15.05 Oral poster, Tully Redmond: A multicentre observational audit of arterial catheter thrombosis in the North-Western region of England
- 15.15 Oral poster, A Dushianthan: Altered phosphatidylcholine synthetic pathways in patients with acute respiratory distress syndrome (ARDS)
- 15.25 Oral poster, J Lewis: Establishment of a trainee led multicentre anaesthetic research & audit network
- 15.35 Oral poster, J Lewis, Louise Jobling: Does levobupivacaine rectus sheath block improve post-operative analgesia following open gastric bypass surgery?
- 15.45 Oral poster, Tom Wilson: An Audit on Patient Satisfaction with Epidural Analgesia

##### **15.55 Coffee**

#### **16.25 Session 8 Chair: Dr Matt Rowland and Professor Phil Hopkins**

##### **16.35: President's Prize Presentation (to be presented by Dr JP van Besouw, President RCOA)**

- 16.45 Oral poster, Tina Zaman: Pilot investigation of DIEP free flap perfusion utilising a multi-wavelength non-invasive optical sensor
- 16.55 Oral poster, A Belhaj: Non-invasive optical estimation of local venous oxygen saturations
- 17.05 Oral poster, Dafydd Lloyd: Xenon or nitrous oxide reduce but isoflurane enhances Amyloid  $\beta$  induced neuronal death in vitro
- 17.15 Oral poster, Hailin Zhou Argon: Combined with hypothermia protects against hypoxia-ischaemia induced brain damage in rat neonate
- 17.25 W Sellers: Ventilator delivery systems for asthma inhalers

##### **17.40 Close of meeting**