



Winter Scientific Meeting of the Anaesthetic Research Society

The Royal College of Anaesthetists
November 11th and 12th 2010

All presentations to the ARS will be verbal and will be allocated 15 minutes for presentation and discussion. Abstracts submitted for the President's Award for Undergraduate Research will be presented by poster. Applicants for the President's Award for Undergraduate Research are not required to attend the ARS meeting on Friday 12th November 2010, but are welcome to do so with complementary registration.

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Thursday 11th November 2010

10:00 - 10:30 **Registration & tea/coffee**

10:30 - 11:30 **Session 1. Chairman: Prof PM Hopkins**

Vats (Leeds) Did the safe surgery checklists introduction affect the productivity of the theatres?

Wood (Leicester) Investigating HFJV in a simulated bronchopleural fistula

Holst (Cardiff) Synergy between Toll-like receptors and the C5a receptors: a potential therapeutic target for attenuating inflammatory responses in sepsis

Corrie (Nottingham) In silico validation of ventilatory ratio as a tool to monitor ventilatory efficiency

11:30 - 11:35 **Introduction to The President's Award for Undergraduate Research**

11:35 - 12:00 **Tea/coffee & Poster viewing (President's Award)**

12:00 - 13:00 **Session 2. Chairman: Dr JG Hardman**

Ladak (Leicester) Sphingosine kinase 1 mRNA expression in polymorphs from ICU patients with sepsis

Minto (Plymouth) Is the impact of intraoperative goal directed fluid therapy on length of stay following major elective colorectal surgery related to patients' aerobic fitness?

Pathak (Liverpool) The effect of a thoracic epidural bolus and subsequent intravenous phenylephrine infusion on gastric tube blood flow during oesophagectomy

Jones (Oldham) Effect of table tilt on the size of the 'target area' in pregnant women

13:00 - 14:00 **Lunch & Poster viewing (President's Award)**

14:00 - 15:15 **Session 3. Chairman: Dr GH Mills**

Melville (Aberdeen) Modulation of mitogen- and stress-activated protein kinase (MSK) activity by antioxidants as a mechanism to reduce inflammation in an in vitro model of sepsis

Bryan (Manchester) Functional electrical impedance tomography by evoked response (fEITER): a new device for the study of human brain function during anaesthesia

Quraishi (Manchester) Functional Electrical Impedance Tomography by Evoked Response (fEITER): monitoring cerebral auto-regulation during the Valsalva manoeuvre

Chillistone (Nottingham) Tissue oxygenation during permissive hypercapnia in critically ill patients

Lowry (Aberdeen) Autonomic tone in patients undergoing coronary artery bypass surgery requiring cardiopulmonary bypass: does it predict post-operative atrial fibrillation?

15:15 - 15:35 **Tea/coffee & Poster viewing (President's Award)**

15:35 - 15:45 **Presentation of The President's Award for Undergraduate Research**

15:45 - 16:45 **Session 4. Chairman: Dr Cameron Weir**

Driver (Aberdeen) The effect of resveratrol, rutin and quercetin on mitochondrial function and endogenous glutathione in endothelial cells cultured under conditions of sepsis

Geldart (London) A specific amino acid in the glycine-binding site of the NMDA-receptor is involved in xenon inhibition of the NMDA-receptor.

Lloyd (London) Xenon reduces apoptosis, γ and β -secretase expression in an in vitro model of Alzheimer's disease

Lowes (Aberdeen) Effects of mitochondria targeted antioxidants on mitochondrial dysfunction in paclitaxel treated dorsal root ganglion neuronal cells: implications for neuropathic pain

16:45 - 17:30 **Annual General Meeting of the Anaesthetic Research Society**

All members of the Anaesthetic Research Society are welcome to attend.

19:00 **Dinner**

To be confirmed

Friday 12th November 2010

09:00 - 09:30 **Tea/coffee**

09:30 - 10:45 **Session 5. Chairman: Prof HF Galley**

Benzonona (London) The potential role of the PI3K pathway on renal cell carcinoma progression in vitro

Cormack (London) Exact model for the oxy-haemoglobin dissociation curve (ODC)

Lumb (Leeds) Computational fluid dynamic modeling of airway gas flow with tracheal intubation

Satapathy (Dundee) Application of sono-elastography to clinical peripheral nerve block

Hirota (Hirosaki) Effects of ketamine anaesthesia on brain orexin A contents in rats

10:45 - 11:15 **Tea/coffee**

11:15 - 12:15 **Session 6. Chairman: Dr GA McLeod**

Takats (Sheffield) Can commonly available non-invasive temperature measurement methods be used as a surrogate of core temperature and reliably compared to each-other?

Zhao (London) Xenon preconditioning protects renal graft against ischemia-reperfusion injury in rats

McGrath (Manchester) Patient safety incidents associated with tracheostomies: A comparison of levels of harm between critical care and ward environments

Habberman (Harlow) Does elective 'aftercare' contribute to surgical outcome?

12:15 - 13:30 **Lunch & Close of Meeting**



**Winter Scientific Meeting of the
Anaesthetic Research Society**

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Registration form

Name (s):

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Telephone: Email:

Cost (per person):

One-day registration 11 th November 2010 (including lunch)	£ 90	<i>one of these</i>
One-day registration 12 th November 2010 (including lunch)	£ 60	
Two-day registration 11 th & 12 th November 2010 (including lunches)	£ 125	
Society Dinner (11 th November 2010, drinks not included)	£ 30	
TOTAL:	£	

Dietary / mobility requirements (e.g. vegetarian):

Please send registration forms and cheques (payable to “Anaesthetic Research Society”) to:
JG Hardman, University Department of Anaesthesia, Queen’s Medical Centre, Nottingham NG7 2UH

Enquiries to: *JG Hardman - 0115 823 1002 / j.hardman@nottingham.ac.uk*

Places for the Society Dinner are limited, and have to be confirmed in advance. Please confirm your registration as early as possible. Registration for the meeting will be possible on the day of the meeting, but places for the dinner may not be available.

You are asked to make your own arrangements for overnight accommodation. There is a wide selection of hotels in the vicinity of the Royal College of Anaesthetists.