



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

The Royal College of Anaesthetists
November 28th 2011

All presentations to the ARS will be verbal and will be allocated 8 minutes for presentation and 7 minutes for discussion. Abstracts submitted for the President's Award for Undergraduate Research will be presented by poster.

Abstracts are provided separately and are printed in order of their presentation.

Monday 28th November 2011

09:00 - 09:30 Registration & tea/coffee

09:30	Abstract Session 1 (Chairman: Dr CJ Weir)		Pg 2
09:32	AR Fidalgo <i>Imperial</i>	Isoflurane anaesthesia impairs remote neocortical memory	
09:47	MJ Rowland <i>Oxford</i>	Magnetic resonance imaging measures of cerebral perfusion following subarachnoid haemorrhage	
10:02	M Gallacher <i>Dundee</i>	Using propofol to differentiate between mixed populations of recombinant GABAARs expressed in HEK cells	
10:17	RD Sanders <i>Imperial</i>	GABA immunotransmission controls macrophage function increasing vulnerability to pneumonia	
10:32	HC Ma <i>Dundee</i>	The position of the tips of conus medullaris in Chinese adult population with low backache: an MRI imaging study	
10:47	SESSION END		

½ hr Tea/coffee break & poster-viewing

11:15	Abstract Session 2 (Chairman: Dr JG Hardman)		Pg 7
11:17	A Kant <i>Leeds</i>	Interobserver reliability of measurements of the supraclavicular ultrasound view of the brachial plexus	
11:32	S Munirama <i>Dundee</i>	A comparison of intraneural and extraneural shear modulus in the Thiel embalmed human cadaver	
12:47	RO Isaac <i>Leeds</i>	Development and validation of a quantitative phenotype model for malignant hyperthermia susceptibility	
12:02	A Vats <i>Leeds</i>	Do malignant hyperthermia susceptible patients have higher baseline core body temperature?	
12:17	SR Singh <i>Leicester</i>	Is the Nociceptin Orphanin FQ peptide (N/OFQ) / Nociceptin Orphanin FQ receptor (NOP) system dysregulated in asthma?	
12:32	SESSION END		

1 hr Lunch & poster-viewing

13:30	Health Services Research (Chairman: Prof MP Grocott)		Pg 12
13:32	SF Bell <i>Cardiff</i>	A randomised crossover trial comparing a single-use PVC laryngeal mask with a single-use silicone laryngeal mask made by the same manufacturer	
13:47	HC Ma <i>Dundee</i>	Dexmedetomidine pretreatment reduces the cardiac adverse events of intravenous administration of ropivacaine in rats	
14:02	RA Struthers <i>Plymouth</i>	Patients' inability to perform a preoperative cardiopulmonary exercise test risk predicts inferior medium term mortality following major colorectal surgery	
14:17	RD Sanders <i>Imperial</i>	Independent preoperative predictors of mortality in major joint arthroplasty: the influence of time interval between an acute coronary syndrome and the operation	
14:32	S Rodgers <i>Edinburgh</i>	Protocol discussion: evaluation of a device to detect early respiratory deterioration	
14:47	SESSION END		

½ hr Tea/coffee break

15:15 Chairman: Prof PM Hopkins
Presentation of the President's Award for Undergraduate Research

15:25	Abstract Session 4 (Chairman: Dr GH Mills)		Pg 17
15:27	J Koch <i>Edinburgh</i>	The radial artery to digit pressure transit time is affected by low pass filter features	
15:42	A Banerjee <i>Liverpool</i>	Dexamethasone prolongs the duration of brachial plexus block: a meta-analysis	
15:57	SM Brown <i>Plymouth</i>	Effects of goal directed fluid therapy during colorectal surgery on the sublingual microcirculation	
16:12	H Gill <i>Great Ormond St</i>	Assessment of a non-invasive haemoglobin monitor (Masimo SpHb) in infants and small children undergoing craniofacial surgery	
16:27	HC Ma <i>Dundee</i>	Differences in the lumbar epidural pressure between full-term pregnant and non-pregnant women	
16:42	SESSION END		

16:45 Annual General Meeting (Chairman: Prof PM Hopkins)

17:15 End of meeting