



**ANAESTHETIC
RESEARCH
SOCIETY**

**BJA Research Forum
Winter Meeting 2017
University of Leicester
23rd and 24th November**

DAY 1

Thursday November 23rd

09.30-10.55	Research presentations Session 1 (Chair: Gary Mills)
10.55-11.15	Break
11.15-12.40	Research presentations Session 2 (Chair: Jon Thompson)
12.40-13.25	Lunch
13:25-14:30	Research presentations Session 3 (Chair: Helen Galley)
14.30-16.00	BJA Symposium : Pain (Chair: Dave Lambert)
Christina Faull Girolamo Calo Paul Wood	"Opioids in palliative care" "Pain and the nociceptin system – translational challenges" "Battlefield to rehabilitation - pain in the military setting"
16.00-16.20	Break
16:20 -16:45	Research presentations Session 4 (Chair: Angella Bryan)
16.45-17.30	Guest lecture (Chair: Jon Thompson)
Mark Sims & Tim Coats	"New diagnostics – lessons from space"
17.30-18.00	Annual General Meeting and medal winner presentations
19.30	Dinner

DAY 2

Friday November 24th

09.00-10.15	Research presentations Session 5 (Chair: Brendan McGrath)
10.15-10.40	Break
10:40-11:30	Research presentations Session 6 (Chair: Ben Shelley)
11.30-12.15	Guest lecture (Chair: Dave Lambert)
Turi King	"Identification of Richard III"
12.15-13.10	Lunch
13.10-14.15	Research presentations Session 7 (Chair: Mike Sury)
14.15-15.30	Research presentations Session 8 (Chair: Malachy Columb)
15:30	End of meeting – home or visit Richard III Centre or Space Centre.



RESEARCH PRESENTATIONS

All presentations are 7 minutes + 5 minutes questions

DAY 1 Thursday 23rd November

Research presentations Session 1: 09:30 -10:55

1. Formation of inflammatory platelet-leukocyte aggregates in vitro and their adhesion to inflamed endothelial cells

Alharbi A, Stover C, Thompson J.
University of Leicester.

2. Nociceptin/Orphanin FQ (NOP) receptor is differentially expressed on glial cells

Kadhim S, McDonald J, Lambert D.
University of Leicester.

3. Development and characterisation of a novel fluorescent NOP ligand- N/OFQATTO

Bird M, Guerrini R, Calò G, Lambert D.
University of Leicester and University of Ferrara.

4. Effects of isoflurane on dopaminergic neurone synaptic vesicle exocytosis

Bonvicino C, Hemmings HC Jr.
Weill Cornell Medicine, New York, NY

5. Consequences of dynamic changes in palmitoylation of Nav1.5 voltage-gated Na⁺ channels

Pospiech G, Baptista-Hon D, Hales T
University of Dundee

6. Nociceptin/Orphanin FQ (N/OFQ) is neuroprotective in an ex vivo mouse model of cerebral ischaemia

Fraser B, McDonald J, Lambert DG, Chrysanthou E, Gibson CL.
University of Leicester

7. Dexmedetomidine alleviates LPS-induced pyroptosis in astrocytes in vitro

Sun Y, Zhao H, Wang D, Ma D.
Imperial College London

BREAK 10:55 -11:15

Research presentations Session 2: 11:15-12:40

8. High definition transcranial direct current (HD- tDCS) stimulation over the primary motor and insular cortex reduces capsaicin-induced pain and hyperalgesia: A placebo-controlled study

Elsawy S, Boy F, Kotb H, Khedr E, Chong S, Cregg R.
Assiut University Hospital, Egypt, Swansea University, and National Institute of Neurology and Neurosurgery, London.

9. Monitoring of neuromuscular blockade during general anaesthesia

Brown S, Charlton M, Simoes C, Thompson J.
Leicester Royal Infirmary.



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10. Assessment of sleep in patients with chronic pain

Vaughan R, Galley HF, Kanakarajan S.

University of Aberdeen and NHS Grampian, Aberdeen

11. Current variation in the practice of measuring post-operative pain outcomes: time for a national consensus?

Small C, Kemp H, Haywood K, Srivastava D.

Queen Elizabeth Hospital Birmingham, Imperial College London, University of Warwick and Raigmore Hospital, Inverness

12. Early life stress affects morphine mediated analgesia and tolerance

Sneddon C, Baptista-Hon D, Hales T.

University of Dundee

13. Postoperative pain after total knee replacement. Which non-steroidal anti-inflammatory drugs should be used?

Maleyko I, Leuwer M.

University of Liverpool

14. Ratifying the dosage and duration of levo-bupivacaine infusion by the caudal-epidural route in infants aged three to six months

Vashisht R, Bendon A, Okonkwo I, Darwich A, Aarons L

Royal Manchester Children's Hospital and University of Manchester

LUNCH 12:40-13:35

Research presentations Session 3: 13:35-14:30

15. Elective Hip And Knee Arthroplasty (HAKA) audit looking at anaesthetic technique, post-op pain scores, nausea, vomiting, first mobilisation times, patient satisfaction and days until discharge prior to the implementation of an enhanced recovery pathway at Pilgrim Hospital

Campbell-Jones F, Chablani M.

United Lincolnshire Hospitals NHS Trust

17. Incidence and outcome of anaphylaxis in cardiac surgical patients - should we proceed to cardiopulmonary bypass and complete surgery?

Anipindi S, Anupuba S, Norawat R, Parkes A, Maybauer M, Vohra A

Manchester University NHS Foundation Trust, Manchester University and Manchester Academic Health Science Centre.

18. A comparison of ventilatory efficiency parameters from Cardiopulmonary Exercise Testing (CPET) as predictors of mortality following major abdominal surgery

Atkinson D, Smith C, Parker M, Bryan A.

Manchester University NHS foundation Trust

19. Post-operative serum lactate measurement and pre-operative fitness as determined by CPET as predictors of mortality after major elective abdominal surgery

Darwen C, Bryan A, McCaffrey K, Boardman S, Shannon S, Moore J.

Manchester University NHS Foundation Trust



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14:30-16:00 BJA Symposium : Pain

BREAK 16:00-16:20

Research presentations Session 4: 16:20-16:45

20. Exclusion of the elderly and the use of patient related outcomes in anaesthetic research: a systematic review (The APPROPRIATE study)

Atkinson T, Lee R, Wrench IJ, Mills GH
University of Sheffield

21. Fluid balance in peri-operative and critical care staff

Graham A, Cantlay K.
Newcastle Upon Tyne NHS Hospitals Foundation Trust

GUEST LECTURE 16:45-17:30

Anaesthetic Research Society AGM 17:30-18:15

DINNER 19:30

Day 2 Friday 24th November

Research presentations Session 5: 09:00 -10:15

22. Magnesium sulphate as an adjuvant to fentanyl for attenuation of intubation response
Kopargaonkar S, Maybauer M, Kulkarni A.

Manchester Royal Infirmary and Rajiv Gandhi Cancer hospital, New Delhi, India.

23. Serial holter recordings in non-cardiac surgery patients reveal postoperative autonomic impairment within 48 hours

May S, Karmali S, Reyes A, Gallego Paredes L, Martir G, Stephens R, Brealey D, Ackland G.,
Queen Mary University of London and University College London.

24. Feasibility of Abbreviated Penicillin De-Labeling in the Elective Surgical Patients: The PADLES Study - An Early Report

Kaura V, Bromley M, Hopkins P, Sandoe J, Savic S, Savic L. St James's University Hospital,
Leeds and University of Leeds

25. Magnesium sulphate significantly reduces isoflurane and vecuronium bromide requirements in laparoscopic cholecystectomies

Norawat R, Kumar M, Maybauer M.
University College of Medical Sciences, New Delhi, India, Manchester Royal Infirmary and
University of Manchester.

26. Trends in obesity amongst patients undergoing general anaesthesia at Great Ormond Street Hospital for Children, London

Ivermee C, Ferrier V, Bedford J, Liversedge T.
Great Ormond Street Hospital for Sick Children and University College Hospital, London.

27. Effect of a single dose of i.v. parecoxib on postoperative pain: a systematic review and meta-analysis

O'Donnell R, Colgan E, Cheong K, Nimmo S.
NHS Greater Glasgow and Clyde and NHS Lothian

BREAK 10:15-10:40



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Research presentations Session 6: 10:40 -11:30

28. Microvascular function in healthy volunteers; a comparison of manually and automatically derived measurements

Rook W, Charlton M, Thompson J.
University of Leicester

29. Orexinergic tone affects survival in sepsis in rats

Hirota K, Takekawa D, Kushikata T, Kudo M.
Hirosaki University Graduate School of Medicine, Hirosaki, Japan

30. Right Ventricular Myocardial Performance Index (RV-MPI) as an assessment of right ventricular function following lung resection.

Soosay A, McCall P, Kinsella J, Shelley B.
University of Glasgow.

31. Caspase-1 and epidural-related maternal fever

Ackland G, Gutierrez del Arroyo A, Sanchez J, Patel S, Phillips S, Reyes A, Sultan P, David A.
Queen Mary University London and University College London.

GUEST LECTURE 11:30-12:15

LUNCH 12:15-13:10

Research presentations Session 7: 13:10 -14:15

32. Effect of peri-operative epidural insertion on disease recurrence following renal cancer surgery

Ilyas C, Herbert A, Jones J, Cartledge J.
St James University Hospital, Leeds and University College London

33. Oxygen metabolism in Malignant Hyperthermia susceptible skeletal muscle and the effects of static halothane exposure

Chang L, Nicoll Baines K, Allen PD, Hopkins PM, Shaw MA, Boyle JP.
UK Malignant Hyperthermia Unit, St James University Hospital, Leeds and University of Leeds

34. The association between intraoperative driving pressure and outcome following one lung ventilation

McClean A, McCall P, Glass A, Shaw M, Kinsella J, Shelley B.
University of Glasgow

35. Towards the immortalisation of primary human myoblasts derived from patients susceptible to malignant hyperthermia and their non-susceptible relatives

Kaura V, Shaw M, Allen PD, Hopkins PM
Leeds Institute of Biomedical and Clinical Sciences

36. Epidemiology of malignant hyperthermia in modern anaesthetic practice: the influence of different anaesthetic techniques on clinical presentation

Aboelsaod EM, Gupta PK, Hopkins PM
Assiut University, Assiut, Egypt and Leeds Institute of Biomedical & Clinical Sciences

Research presentations Session 8: 14:15 -15:30

37. Development of a Core Outcome Set for studies evaluating the effects of anaesthesia on perioperative morbidity and mortality within the hip fracture population

O'Donnell C, Black N, McCourt K, McBrien M, Clarke M, McAuley D, Shields M
Queen's University Belfast.



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38. Contemporary perioperative management of ACE-inhibitors and angiotensin receptor blockers

Walker S, Abbott T, Brown K, Pearse R, Ackland G.
University of London and Royal London Hospital, London

39. Reduction in hospital length of stay via tracheostomy quality improvement collaborative

Alabdah M, Lynch J, McGrath B
University of Manchester and Manchester University NHS Foundation Trust

40. Effectiveness of above cuff vocalisation (ACV) for ventilator-dependent patients with tracheostomies

Mcgrath B, Wallace S, Wilson M, Nicholson L, Felton T, Bowyer C, Bentley A
Manchester University NHS Foundation Trust

41. Changes in tracheostomy tube positioning with patient repositioning: the Lunar positioning study

Littleproud A, Goswamy J, Chandrasena A, Page G, McGrath B
University of Manchester and Manchester University NHS Foundation Trust

42. Collaborative national consensus and prioritisation of tracheostomy quality improvements in the United Kingdom

Mcgrath B, Lynch J, Coe B, Wallace S, Bonvento B, Eusuf D, Firn M
Manchester University NHS Foundation Trust and Springfield Consultancy, St George's Healthcare, London

END OF MEETING 15:30