



Programme Day 1: Thursday 15th May 2025



09:15 – 09:45 Registration and tea/coffee

09:45 – 10:00 Welcome and Housekeeping (Professor Ben Shelley)

10:00-11:00 Abstract Session 1:

- **10:00-10:15** Exploring patient experience in intensive care through analysis of A2B trial data. Isabella Ritchie.
- **10:15-10:30** Bridging clinical and data science teams to improve accuracy in automated reports. Design of a sedation hold report. Marina Medrano.
- **10:30-10:45** What can be learned about acute respiratory distress syndrome from severe COVID-19: a comparison of meta-analyses by information content. Chris Happs.
- **10:45-11:00** Investigating ICU nurses' perspectives on factors that influence patient experience in intensive care, including optimal use of sedation: a mixed-methods study. Isabella Ritchie.

11:00-11:20 Tea/coffee

11:20-12:20 Abstract Session 2:

- **11:20-11:35** Preconception maternal multimorbidity: a systematic review and meta-analysis. Sarjit Singh.
- **11:35-11:50** Sociodemographic predictors of neuropathic pain medication prescribing in Scotland. Mia Koponen.
- **11:50-12:05** Socioeconomic deprivation and cardiopulmonary exercise testing: outcomes following major elective surgery. Tanviha Quraishi-Akhtar.
- **12:05-12:20** Clustering of preconception morbidities in Scotland: a population-based study. Sarjit Singh.

12:20-13:20 Lunch (provided)

13:20-14:35 Abstract Session 3:

- **13:20-13:35** Postoperative systemic clonidine for pain intensity and opioid consumption: systematic review and meta-analysis of randomised controlled trials. Revathi Nair.
- **13:35-13:50** The role of pre-emptive perioperative analgesia in prevention of chronic phantom pain: a systematic review and meta-analysis Nima Azh.
- **13:50-14:05** Are adults with chronic pain more likely to develop hypertension when compared to adults without chronic pain? A systematic review and meta-analysis. Harriet Taylor.
- **14:05-14:20** Analysing the impact of gabapentinoid reclassification on gabapentin and pregabalin related deaths in the UK. Natalia Dygas.
- **14:20-14:35** The use of intranasal dexmedetomidine as sedation for children: a systematic review and meta-analysis with trial sequential analysis. Wei En Lim.

14:35-14:40 ARS Trainee update

14:40-15:00 Tea/coffee

15:00-16:00 ***BJA Sponsored Keynote Speaker:***

Professor Andrew Baker, The University of Edinburgh.

‘From lab to clinic: Development of a (relatively) simple gene therapy to prevent late vein graft failure.’

16:00-17:00 Abstract Session 4:

- **16:00-16:15** α 2-adrenoceptor modulation and norepinephrine depletion drive dexmedetomidine-induced apoptosis in renal cancer via NFKBIA-mediated mitochondrial dysfunction. Enqiang Chang.
- **16:15-16:30** The sympathetic cotransmitter Neuropeptide-Y directly alters human cardiomyocyte electrophysiology promoting ventricular arrhythmia. Ryan Bloxsom.
- **16:30-16:45** Central aortic cannulation under trans-oesophageal guidance for type-A dissection repair. Mark Balavage.
- **16:45-17:00** Vasoactive support in cardiogenic shock: A systematic review of randomized controlled trials. Cara Wardman.

17:00-17:20 Anaesthetic Research Society Annual General Meeting

All members (and non-members who are interested) are very welcome.

End of Day 1 Scientific Programme

17:30

Social

Auchentoshan distillery tour (pre-paid and pre-registered with jocelyn.barr@gjnh.scot.nhs.uk)

19:30

Dinner

All welcome.

£ 35 per head

Dinner can be prebooked at the time of registration or booked in advance with jocelyn.barr@gjnh.scot.nhs.uk.

Day 2: Friday 16th May 2025

8:15 – 8:45 Registration and tea/coffee

08:45 – 10:00 Abstract Session 5 :

- 08:45-09:00 Characterising cardiovascular function in ICU survivors of sepsis: (CONDUCT-ICU). Kevin Garrity.
- 09:00-09:15 The association between inflammation and persistent pain in survivors of critical illness due to sepsis. Christie Docherty.
- 09:15-09:30 Use of droplets to validate novel air sampler. Theerathut Nanthapaithoon.
- 09:30-09:45 Accuracy of continuous glucose monitoring commenced immediately before noncardiac surgery: prospective, blinded observational multicentre cohort study. Henrike Janssen.
- 09:45-10:00 Identifying top research priorities in burns critical care: a national modified delphi study. Tara-Tallulah Garioch.

10:00-10:20 Tea/Coffee

10:20-11:20 **BJA Sponsored Keynote Speaker:**

Professor John Simpson, Newcastle University & Programmes
Director for the MRC/NIHR Efficacy and Mechanism Evaluation programme.

‘Anaesthesia and critical care research funding in the UK - personal experiences of how to get it, and what to spend it on’

11:20 – 12:35 Abstract Session 6:

- 11:20-11:35 Combined Dexmedetomidine and Regulated Necrosis Inhibition Enhance Protection Against Kidney Ischemia-Reperfusion Injury *In Vitro* and *In Vivo*. Hailin Zhao.
- 11:35-11:50 A preclinical systematic review and meta-analysis of the noble gases argon and xenon in animal models of perinatal hypoxic ischemic encephalopathy. Mariana Barros.
- 11:50-12:05 Relationship between Intraoperative Burst Suppression and Emergence Delirium in Adults. Keenan Smith.
- 12:05-12:20 Causal Relationship Between Fracture Internal Fixation and Dementia: A Mendelian Randomization and Multi-omics Study. Enqiang Chang
- 12:20-12:35 A Novel Subsoas Fascial Plane Block for Hip Fracture Analgesia: A Case Series. Yvonne Fahy.

12:35-13:45 Lunch Provided

13:45 – 15:00 Abstract Session 7:

- **13:45-14:00** Population size for traumatic brain injury dynamic modelling. Zainab Alani.
- **14:00-14:15** The financial and environmental cost of anaesthetic emergency drugs: comparing ampoules with prefilled syringes, a second cycle quality improvement project. Grace Catchpole.
- **14:15-14:30** Perceptions of risk and practice variability in percutaneous tracheostomy: a qualitative study of ICU staff. Matthew Moran.
- **14:30-14:45** Association of conventional vs. video laryngoscopy with postoperative sore throat. Mairi Laing.
- **14:45-15:00** RAFT Presentation: SECURE study. Suzanne Harrogate

15:00-15:30 Results, prizes and awards.

Close of meeting.

Thank you.





Further Information

The **Spring 2025 British Journal of Anaesthesia Research Forum** run by the **Anaesthetic Research Society** will take place on Thursday 15th and Friday 16th May at the Golden Jubilee Conference Hotel in Glasgow.

Keynote speakers:

In addition to abstract presentations, we have two superb key-note speakers providing insights into translational research at the very highest level:

Professor John Simpson

The UK Translational Research Landscape



Well known amongst the critical care community for his pioneering work on infection in critically ill patients, Professor John Simpson is Professor of Respiratory Medicine at Newcastle University, an honorary consultant in Respiratory Medicine at Newcastle Hospitals NHS FT, and an NIHR Senior Investigator. John has recently taken on the role of Programmes Director for the MRC/NIHR Efficacy and Mechanism Evaluation programme and so is extremely well placed to provide his keynote lecture titled '**Translational Research: The UK landscape and some personal reflections**'.

[Staff Profile](#) | [Faculty of Medical Sciences](#) | [Newcastle University](#)

Professor Andrew Baker

From lab to clinic: Development of a (relatively) simple gene therapy to prevent late vein graft failure.



Professor Andrew Baker is the British Heart Foundation Professor of Translational Cardiovascular Science, Gustav Born Chair of Vascular Biology and Head of Centre for Cardiovascular Science. Professor Baker's lab is focussed on the mechanisms that control vascular damage and how to influence repair and regeneration of the vascular system using innovative therapies. To this end they developed an innovative gene therapy approach to prevent pathological vascular remodelling associated with coronary artery bypass graft failure and are pursuing this at the clinical interface (in Golden Jubilee National Hospital) – a local story of truly innovative bench-to-bedside translational research!

[Andy Baker Research Group | Centre for Cardiovascular Science](#)

Venue:



This year the forum is being held at the **Golden Jubilee Conference Hotel**, a unique, NHS owned and operated conference venue situated adjacent to the Golden Jubilee National Hospital. Whilst providing first class facilities situated within a 4-star hotel, being an NHS facility provides substantial economies and allows us to offer both the conference and overnight accommodation at very competitive prices.

The Golden Jubilee Conference Hotel is located close to Glasgow airport and a short train journey from the centre of Glasgow [Home Page - GJCH](#).

Social:



At the close of business on Thursday, but before dinner we are planning an optional distillery tour and tasting at the nearby **Auchentoshan distillery** where we will benefit from a private ‘behind closed doors’ experience. Tickets include a welcome cocktail and two tastings.

We will then return to a private room at the conference hotel for a three-course dinner featuring locally sourced, high quality Scottish produce.

Prices and booking:

Delegate	ARS members	Non-members ¹
Senior researchers / consultants	£240	£280
Postdoctoral researcher / trainees	£190	£230
Undergraduate / postgraduate students	£140	£180
Dinner	£35	
Accommodation (per night)	£90	
Auchentoshan distillery tour	£25	

¹ARS membership costs just £30 per year – its cheaper to join! www.ars.ac.uk

²Includes transport to the distillery (<5 minutes away), tour lasting one hour, two tastings and a mini-cocktail.

Registration is open now: www.ars.ac.uk

Room and distillery tour bookings can be made with: jocelyn.barr@gjnh.scot.nhs.uk

(Note to obtain discounted pricing as part of the conference package it is essential to book through Jocelyn Barr rather than contact the hotel directly).