

VIRTUAL WINTER SYMPOSIUM

3–4 December 2020



ANAESTHESIA 2021



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Dr Jamie Strachan



Dr Kate Tatham

Welcome to the 2020 Winter Symposium.

Thank you for joining us for this year's virtual Winter Symposium.

Is a virtual conference the future? How quickly technology has progressed from our early unstable Ethernet connections to today's zoom, web and other platforms when we are reaching out to delegates and speakers across the globe.

The theme of this year's conference 'Robotics and Innovation' leaves us in no doubt that anaesthesia is moving forward to a new stage and we hope to make some sense of the new landscape and how it can improve patient safety.

Please ask questions, debate, disagree or agree with us. We look forward to hearing your views and making you very much a part of this conference. Leave questions in the chat room to be answered later by individual speakers or ask them immediately via slido.

This has been a challenging year for all of us and we hope that this year's conference will help to re-energise you and once again spark your enthusiasm for our wonderful specialty.

We wish everyone a successful, safe and fruitful conference.

Dr Jamie Strachan and Dr Kate Tatham
Clinical Leads for the Winter Symposium 2020

Delegate information

Slido

We will be using a web-based tool called Slido for audience discussion and Q&A sessions. Please join the event at slido.com with the event code **#Winter20**.

Social media

We can be found on Twitter by searching [@RCoANews](https://twitter.com/RCoANews). Join the conversation using #RCoAWinter.

Yammer Chat Room

A chatroom has been created for this event and a link has been sent to you.

Presentations and CPD Certificates

A link to the presentations will be sent to you shortly after the event, subject to speaker permission. CPD certificates will be emailed to you within ten working days of the event. The Winter Symposium 2020 has been accredited with 5 CPD points per day.

Event feedback

We value your feedback and in order to continue to improve and develop our events, we would appreciate it if you would complete our survey using the link below:

surveymonkey.co.uk/r/WinSym20

The link has also been sent to you electronically.

LUNCHTIME SAS NETWORKING SESSION VIA ZOOM

FRIDAY 4 DECEMBER 2020
12.50–13.30



Dr Kirstin May



Dr Lucy Williams

Dr Kirstin May and Dr Lucy Williams will hold an informal meeting of SAS doctors to discuss recent updates and provide a networking facility for fellow SAS colleagues. There will be a short presentation.

Zoom meeting details below:

<https://zoom.us/j/99581471156?pwd=N2JjOGU3Rno1K0I0cHlMXjB1FmQT09>

Meeting ID: 995 8147 1156

Passcode: 145664

SAVE THE DATE

WINTER SYMPOSIUM 2–3 December 2021

Day 1 Thursday 3 December 2020

09.00–09.20	Registration and network checks
09.20–09.30	Welcome – Dr Jamie Strachan and Dr Kate Tatham
09.30–10.50	New directions – Chair: Dr Kate Tatham
09.30–09.55	TIVA versus volatile anaesthetics – Dr Ben Shelley, Glasgow
09.55–10.10	Discussion/Q&A session
10.10–10.40	KEYNOTE LECTURE Setting up the NHS AI Lab – Dr Indra Joshi, Director of AI, NHSX
10.40–10.50	Discussion/Q&A session
10.50–11.10	BREAK
11.10–12.45	COVID-19 – Chair: Dr Jamie Strachan
11.10–11.35	What Intensive Care Medicine (ICM) has learned – Dr Alison Pittard OBE, Dean, FICM
11.35–11.55	PPE – Professor William Harrop-Griffiths, London
11.55–12.15	Risks to healthcare workers – Professor Tim Cook, Bath
12.15–12.40	Discussion/Q&A session
12.45–13.00	RCoA AGM
13.00–14.00	LUNCH
14.00–15.30	Robotics – Chair: Dr Helgi Johannsson, RCoA Council
14.00–14.25	Robotic airway surgery – Dr Ravi Bhagrath, London
14.25–14.50	The great Thailand Cave Rescue – Dr Brendan Sloan, Anaesthesia and Intensive Care at the Mid Yorkshire Hospitals Trust, and the Medical Officer for the British Cave Rescue Council
14.50–15.15	Da Vinci and beyond – Mr Benjamin Challacombe, Consultant Urology Surgeon, London
15.15–15.30	Discussion/Q&A session
15.30–15.50	BREAK
15.50–16.30	Anaesthetists in mind – Chair: Dr Lucy Williams, RCoA Council
15.50–16.20	A STUDY OF THEATRE ERGONOMICS – Dr Richard Marks, Sheffield
16.20–16.45	WELLBEING – Dr Nancy Redfern, Newcastle
16.45–17.05	Discussion/Q&A session
17.15	CLOSE OF DAY 1

Day 2 Friday 4 December 2020

09.15–09.35	Registration and network checks
09.35–09.45	Welcome – Dr Claire Mallinson and Dr Gunjeet Dua, London
09.45–10.30	RCoA Council discussion – Chair: Dr Hamish McLure
09.45–10.15	Should the anaesthetic workforce be the first choice to support ICM during times of high pressure or should they be supporting planned surgery? Dr Ros Bacon, Dr Fiona Donald, Prof William Harrop-Griffiths, Dr Claire Mallinson, Dr Felicity Plaat, Dr Claire Shannon, Dr Kate Tatham
10.15–10.30	Discussion/Q&A session
10.30–11.00	BREAK
The Christmas Lecture – Dr Claire Mallinson, RCoA Council	
11.00–11.40	THE CHRISTMAS LECTURE Professor Dame Clare Gerada
11.40–13.00	Innovation – Chair: Dr Fiona Donald, Vice-President, RCoA
11.40–12.10	THE NHS INNOVATION ACCELERATOR (NIA) Supporting some of the most exciting health innovators in the UK Professor Tony Young, OBE, National Clinical Lead for Innovation, NHS England and Dr Alastair Darwood, NIA Entrepreneur
12.10–12.20	Discussion/Q&A session
12.20–12.45	WINNING ABSTRACTS RAPID QUICK-FIRE TALKS The five winning abstracts will have 5 minutes. Each to pitch their ideas for innovation during COVID-19.
12.20–12.25	Improving the accuracy of fraction of inspired oxygen documentation in intensive care during COVID-19 pandemic at Royal Blackburn Hospital – Dr Gareth Allen
12.25–12.30	Development of a critical care dashboard during the COVID-19 pandemic – Dr Joy Greenwood
12.30–12.35	Quantifying the degree of aerosol spread of COVID-19 with high flow nasal oxygen therapy – Dr Tommy Lwin
12.35–12.40	Modernising blood sample collection in a tertiary hospital centre; a bedside application – Dr Luke Parker
12.40–12.45	The effect of PPE on communication in simulation based education and lessons to be learnt for clinical practice – use your V.O.I.C.E. – Dr Ganesh Rajaratnam
12.45–12.55	Any questions?

Programme continued on next page

Day 2 Friday 4 December 2020 *(programme continued)*

12.55–13.45	LUNCH AND NETWORKING OPPORTUNITIES Visit our digital poster display, stay online for further talks with the abstract winners or join one of our lunchtime meetings
13.45–14.30	The Debate: Lidocaine infusions for analgesia – Chair: Dr Kate Tatham
13.45–14.15	This house believes that anaesthetists have no reason to be nervous about using Lidocaine infusions for analgesia For: Dr Naveen Eipe, Associate Professor, University of Ottawa Against: Dr Siân Jaggat, Consultant Anaesthetist, Royal Brompton Hospital
14.15–14.30	Discussion/Q&A session
14.30–14.45	BREAK
14.45–15.30	The development of a deep neural network – Chair: Dr Jamie Strachan
14.45–15.15	Automating anaesthetic delivery with deep reinforcement learning – Dr Gabriel Schamberg, Professor Emery Brown, Dr Marcus Badgeley, Massachusetts Institute of Technology (MIT)
15.15–15.30	Discussion/Q&A session
15.30–15.45	BREAK
Awards – Chair: Professor Ravi Mahajan	
15.45–16.25	MACINTOSH PROFESSOR LECTURE Myocardial protection by volatile anaesthetics and beyond –mirage or reality? Dr Gudrun Kunst <i>Citation read by Dr William Harrop-Griffiths</i>
16.25–16.50	Regional anaesthesia – Chair: Professor William Harrop-Griffiths, Vice President, RCoA
16.25–16.50	Controversies in regional anaesthesia A panel discussion Dr Ash Gupta, Dr Dave Johnston, Dr Kim Russon and Dr Jono Womack
16.50–17.05	Discussion/Q&A session
17.05–17.15	CLOSE OF CONFERENCE

Sponsor information

We would like to thank our sponsor [Stago](#) for supporting this event.

Diagnostica Stago is a global leader in haemostasis and thrombosis, with Stago UK now providing around 20% of NHS haemostasis instruments or specialist haemostasis kits. The Quantra viscoelastic testing system is part of Stago UK's new point of care solutions range. The company expanded into POC when it acquired US-company, HemoSonics. Quantra is the latest generation POC device using an innovative technology to generate viscoelastic tests. Fully automated, it allows haemostasis assessment for bleeding management in a timely, easy and efficient manner with the use of the QPlus® and QStat® cartridges.



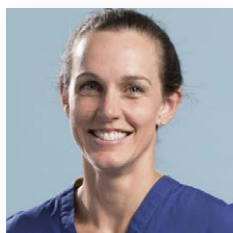
Chairs



Dr Jamie Strachan
RCoA Council
Member and
Clinical Lead, Winter
Symposium 2020

Dr Jamie Strachan is a specialty trainee in anaesthesia and intensive care medicine in Thames Valley and has been on RCoA Council since March 2018. His clinical interests are in areas such as resuscitation, critical care and transfer of the critically ill patient; helping large teams to work effectively together. Jamie enjoys trying to improve his own communication skills, be it with colleagues, patients or families. He believes in the critical importance of good behaviour in the workplace, and valuing the people with whom we work with. Jamie also enjoys improving the interface between technology and clinical medicine, working on Lifelong Learning for the College from its inception and continuing to contribute to its development.

When he stood for Council he said: 'pressures such as increasing demands on time, high levels of expectation, shift working, frequent changes of place of work with relatively and actually less remuneration (financial or otherwise) than the generation above us can make training seem overwhelming. The College can and should make our training and working lives better.' Jamie tries to pursue things that meet this aim.



Dr Kate Tatham
Consultant Anaesthetist
and Intensive Care,
Royal Marsden NHS
Foundation Trust and
Clinical Lead, Winter
Symposium 2020

Dr Kate Tatham is a Consultant in Anaesthesia and Intensive Care at the Royal Marsden NHS Foundation Trust, London and an Honorary Clinical Senior Lecturer at Imperial College London.

She has a special interest perioperative medicine, specifically outcomes after major surgery and the relationship between sepsis and immune dysfunction.



Dr Helgi Johannsson
RCoA Council
Member

Born in Iceland, Dr Helgi Johannsson moved to the UK aged 12, and trained at St Bartholomew's Hospital, London. During his training, he undertook an education and simulation fellowship, and became a consultant at St Mary's Hospital, London in 2007.

His clinical interests lie in trauma, oesophagogastric surgery, obstetrics, bariatrics and general all-round anaesthesia. Previously a College tutor, he became clinical director of anaesthesia for Imperial College London in 2012, and was elected onto the RCoA Council in 2018.

Helgi's other interests include social media and medicine. He is on twitter as [@traumagasdoc](https://twitter.com/@traumagasdoc).



Dr Lucy Williams
RCoA Council
Member

Dr Lucy Williams graduated from Newcastle in 1990 and married into the Army. The frequent moves necessitated a rather unconventional and intermittent career. Lucy started work in Swindon in 2007, did an MSc and developed a special interest in pain management. Clinical time is split between pain and anaesthetics and she currently leads the pain team at Great Western Hospital, Wiltshire.

Lucy has been active within her hospital staff and associate specialist community and joined the College SAS Committee in 2014. She is the SAS tutor at Great Western Hospital. She was elected to Council in 2016 with her Council responsibilities extending beyond SAS matters to workforce planning, education, training and College finances. She is Chair of the Finance and Resources Board and RCoA Council Sustainability Lead.

Speakers: Day 1



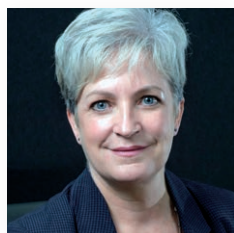
Dr Ben Shelley
Consultant in
Cardiothoracic
Anaesthesia and
Intensive care, Golden
Jubilee National
Hospital, Glasgow

New directions

Chair: Dr Kate Tatham

TIVA versus volatile anaesthetics

Dr Ben Shelley is a Consultant in Cardiothoracic Anaesthesia and Intensive Care at the Golden Jubilee National Hospital. He completed his MD thesis on 'acute lung injury after lung resection' in 2015 and is currently principal investigator on several collaborative studies examining acute lung injury and right ventricular dysfunction after thoracic surgery. Dr Shelley sits on the research subcommittee of ACTACC, the scientific and thoracic subcommittees of EACTA, is an Associate Editor of the *British Journal of Anaesthesia* and Honorary Secretary of the Anaesthetic Research Society / BJA Research forum. He is also a co-investigator on the recently funded Volatile vs Total intravenous Anaesthesia for major non-cardiac surgery: A pragmatic randomised trial (VITAL).



Dr Alison Pittard OBE
Dean, Faculty of
Intensive Care
Medicine (FICM)

COVID-19

Chair: Dr Jamie Strachan

What Intensive Care Medicine (ICM) has learned

Dr Alison Pittard has been a Consultant in Anaesthesia and Intensive Care Medicine in Leeds since 1997 and was awarded an MD in 1998. In 2008 Alison was elected Lead RA and became Associate Postgraduate Dean, Yorkshire and Humber Deanery the following year.

She was instrumental in developing the single CCT curriculum, recruitment process and selection tools and the written paper for the new FFICM exam, for which she continues to examine. In 2012, Alison became a FICM Board member in its first election and the following year took over as Chair of the Training and Assessment Committee, a role she relinquished in 2016 on becoming Vice Dean. She has played an integral role in the Faculty's 'Critical Futures' initiative including chairing the Enhanced Care Working Party and promoting other work streams. Most recently, Alison has been developing international links, which she plans to formalise during FICM's 10th anniversary year.



Professor William Harrop-Griffiths
RCoA Vice-President

Personal Protective Equipment (PPE)

Professor William Harrop-Griffiths is Vice-President of the Royal College of Anaesthetists, Professor of Practice (Anaesthesia) at Imperial College, London, a Consultant Anaesthetist at Imperial College Healthcare NHS Trust, London and the Civilian Consultant Advisor in Anaesthesia to the British Army.

His clinical interests include anything that can be done under regional anaesthesia.



Professor Tim Cook
Consultant in Anaesthesia and Intensive Care Medicine, Royal United Hospital, Bath

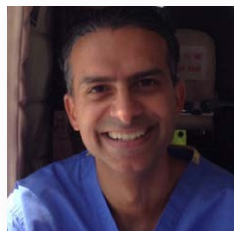
Risks to healthcare workers

Professor Tim Cook is a full time DGH consultant in Anaesthesia and Intensive Care Medicine at Royal United Hospital, Bath. He is an honorary Professor of Anaesthesia at the University of Bristol.

Tim has been centrally involved in five RCoA National Audit Projects: as clinical lead for NAP3 and 4 (NAP3 – epidurals/spinal anaesthesia, NAP4 - airway management), and as co-lead and director of the program for NAP5-7 (NAP5 – accidental awareness during general anaesthesia – NAP6 – perioperative anaphylaxis and NAP7- perioperative cardiac arrest). These big projects involve the nation's anaesthetists collaborating to shine a light on patient-centred aspects of anaesthetic practice and safety. They are a form of professional-citizen science and are recognised to have changed the landscape of UK anaesthesia clinical practice and anaesthesia research engagement.

Like many colleagues, Tim has an overall interest in improving safety and quality in anaesthesia and intensive care using a bottom up approach. He has been awarded the RCoA Macintosh Professorship 2012-13, the Difficult Airway Society Professorship 2014, an honorary Professorship in Bristol University and several other prizes.

Speakers: Day 1



Dr Ravi Bhagrat
Consultant Anaesthetist,
Barts Health NHS Trust

Robotics

Chair: Dr Helgi Johannsson

Robotic airway surgery

Dr Ravi Bhagrat has been a Consultant Anaesthetist at Barts Health NHS Trust for the past 20 years with a particular interest in anaesthesia for head and neck surgery and pre-assessment. He has experience in hospital management having been clinical lead for day surgery, perioperative medicine and airway lead.

For the past 15 years has led airway teaching and training workshops at the College. He is a committee member of the Difficult Airway Society (DAS) and co-author of the 2015 DAS guidelines for management of unanticipated difficult intubation in adults and the 2019 DAS guidelines for awake tracheal intubation in adults. He has contributed to and written publications and podcasts, textbook chapters, posters and presentations in airway management, ENT surgery and human factor and teaches and lectures locally, regionally and internationally.



Mr Ben Challacombe
Consultant Urological
Surgeon, Guy's Hospital
& King's College
London

Da Vinci and beyond

Ben is a consultant urological surgeon with a special interest in the minimally invasive treatments of prostatic diseases. He is currently the British Association of Urology (BAUS) Oncology Section Chairman and in 2019 was awarded the BAUS Golden Cystoscope for contributions to British urology within 10 years of consultant appointment.

Ben is associate editor of the *BJUI*, with over 230 peer-reviewed publications, 3 books, and 25 book chapters on minimally invasive and robotic urological techniques.

His current research interests are in robotic surgery training, trans-perineal template biopsy techniques, active surveillance of low risk prostate cancer, sentinel node techniques and haptic probe development in robotic surgery.



Dr Brendan Sloan
Anaesthetist in Intensive
Care at the Mid Yorkshire
Hospitals Trust,
Medical Officer, British
Cave Rescue Council

The great Thailand Cave Rescue

Dr Brendan Sloan trained in anaesthesia and intensive care in West Yorkshire, before undertaking a Critical Care Fellowship in Sunnybrook Hospital, Toronto. Since 2016 he has been a consultant at the Mid Yorkshire Hospitals Trust, where he is the ICM Faculty Tutor and lead for burns anaesthesia and intensive care at the Pinderfields Regional Burns Centre. He has been caving since 2000, including expeditions to Morocco, Crete, China and Borneo. He has been a member of the Derbyshire Cave Rescue Organisation since 2002, and in 2017 was elected Medical Officer for the British Cave Rescue Council.



Cardiac Disease and Anaesthesia Symposium

22–23 April 2021 | Online

www.rcoa.ac.uk/events

Speakers: Day 1



Dr Richard Marks
Consultant Anaesthetist
Sheffield Teaching
Hospitals NHS Trust

Anaesthetists in mind

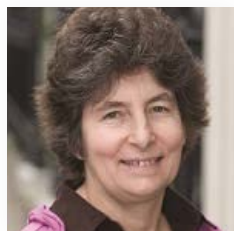
Chair: Dr Lucy Williams, RCoA Council

A study of theatre ergonomics

Dr Richard Marks was a Cardiac Anaesthetist 1996 -2010 and internationally recognised for his research promoting Fast Track cardiac surgery.

He was also cognised for Influential research on Mathematical modelling of Direct Laryngoscopy and Difficult Airway. He has recently established the first qualitative research on Theatre Ergonomics applied to our anaesthetic layout.

He is keen on teaching basic sciences and was responsible for revising the Pharmacology Curriculum in Sheffield Medical School. He is a committee member of the Difficult Airway Society (DAS) and co-author of the 2015 DAS guidelines for management of unanticipated difficult intubation in adults and the 2019 DAS guidelines for awake tracheal intubation in adults.



Dr Nancy Redfern
Consultant
Anaesthetist,
Newcastle

Wellbeing

Nancy Redfern has just completed her term of office as Vice President of the Association of Anaesthetists of Great Britain and Ireland. Clinically she works as a consultant Anaesthetist in Newcastle upon Tyne, with interests in obstetric and neuroanaesthesia. Her long-term interests include mentorship, education, workforce, and doctors' wellbeing. She is part of the national joint fatigue working group, leads mentor development at the Royal College of Physicians and Surgeons of Glasgow and runs mentor development programmes throughout the UK. As someone who has retired and returned, she also speaks on the impact of ageing on our clinical practice.



Keynote speaker: Day 1

Dr Indra Joshi

Director of Artificial Intelligence (AI), NHSx

Setting up the NHS AI Lab

Dr Indra Joshi is the Director of AI for NHSx, leading on the creation of the NHS AI Lab. Her other responsibilities include overseeing digital health initiatives within the NHS with a focus on data, digital health standards and evidence.

Indra has a unique portfolio with experience stretching across policy, digital health, national project strategy and implementation; whilst remaining true to her professional training as an emergency medic.

She is a Founding Member of One HealthTech – a network which campaigns for the need and importance of better inclusion of all backgrounds, skillsets and disciplines in health technology. Alongside she is a Vice Chair for the British Computer Society (Health), an international speaker and consultant on digital health, an expedition medic, and most importantly a mum to two wonderful little munchkins.

Macintosh Professorship

This prestigious lecture and title is awarded on the recommendation of the Board of the National Institute for Academic Anaesthesia (NIAA). It is in recognition of outstanding contributions to the wider field of anaesthesia in a senior academic or clinician. In the case of an academic, it would normally be at a senior lecturer level. The title of 'Macintosh Professor' is bestowed for one year from the date of Council's approval of the award. This award is made by application and is advertised.



Dr Gudrun Kunst

Consultant Anaesthetist and Professor of Anaesthesia

Myocardial protection by volatile anaesthetics and beyond – mirage or reality?

Dr Gudrun Kunst has been Consultant Anaesthetist at King's College Hospital since 2004. She trained at Heidelberg University Hospital (Germany) and the Royal Brompton Hospital in London and her clinical interests include perioperative medicine, cardiovascular anaesthesia and anaesthesia for day surgery procedures. She is the anaesthetic and perioperative research lead at King's College Hospital NHS Foundation Trust. Her research interests include perioperative organ protection and she conducts national and international clinical collaborative research studies.

Gudrun is an examiner for the Primary FRCA and is the Pan-London Anaesthetic Academic Training Programme Director. She was awarded the 2017 National Royal College of Anaesthetists – NIHR Senior Research Clinician Prize and is currently the Scientific Officer and the Treasurer of the Association of Cardiothoracic Anaesthetists and Critical Care (ACTACC). Internationally, Gudrun is a Board Member of the European Board of Cardiovascular Perfusion (EBCP) and she chairs the Cardiopulmonary Bypass Committee of the European Association of Cardiothoracic Anaesthesiologists (EACTA). Gudrun is frequently invited to lecture at national and international meetings.

Presented by Professor William Harrop-Griffiths

Chairs

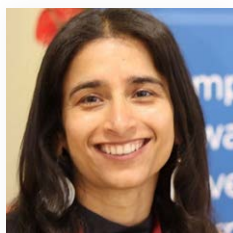


Dr Claire Mallinson
RCoA Council
Member

Dr Claire Mallinson is a Consultant Anaesthetist specialising in anaesthesia for children's complex deformity surgery. She has helped to develop the third largest institute in the UK at Guy's and St Thomas'.

She is director of medical education for one of the largest number of training doctors in the country which involves developing the IMPACT course and simulated skills course for F2 doctors and maxillo-facial junior doctors, developing a programme for the consultant trainers to ensure the quality of teaching and trainers in response to PMETB/ GMC and teaching F1 and F2 doctors in lectures and action learning groups, giving feedback, appraisal and direction

Claire is part of the London Deanery clinical tutors group, often speaking and contributing to programmes. As Honorary Treasurer and Chair of NACT Claire has also contributed to various national reports.



Dr Gunjeet Dua
Consultant
Anaesthetist, Guy's
and St Thomas NHS
Foundation Trust

Dr Gunjeet Dua completed her anaesthetic training in South Eastern School of Anaesthesia and is now a Consultant Anaesthetist at Guy's and St Thomas NHS Foundation Trust with a special interest in Education and Training. She has recently taken up the role as Clinical Content Lead for Web Events at the Royal College of Anaesthetists. Gunjeet is currently the Teaching Lead for Higher Training for South Eastern School of Anaesthesia, London and Education Lead for Anaesthetics and Perioperative Medicine at Guy's and St Thomas' Hospitals. She also developed and now actively leads the TAP Academy Practice Course for Post Graduate Nurses for Kings College London.

Gunjeet is also is the Founder and Course Director for the renowned Guy's Advanced Airway Course which hosts about 350 international delegates every year. Another of her recent initiative includes developing an in-situ multidisciplinary simulation training course for theatre teams focussing on human factors, communication, theatre safety and emergency protocols.

Chairs



Dr Hamish McLure
Chair, RCoA Clinical
Director's Executive
Committee

Dr Hamish McLure was appointed to a Consultant Anaesthetist post at the Royal Marsden in 1999, then moved to St James's Hospital in Leeds in 2002, starting in clinical management in 2006. In 2010 he was appointed to the Clinical Director role for Theatres & Anaesthesia across the Trust. His responsibilities included: managing a budget of more than £80 million and providing leadership for 220 anaesthetists and 750 theatre staff through clinical service reconfigurations, theatre improvement programs and a wide variety of workforce crises, including the suicide of colleagues, loss of a significant proportion of trainees as well as shortages of consultants and theatre staff.

Hamish stepped down from the Clinical Director role in 2017 and in 2018 took on roles in appraisal as Trust Medical Appraisal Lead looking after almost 1400 doctors, and as a Regional Medical Appraiser, appraising Responsible Officers in organisations around the north of England. He was appointed Deputy Chair of the RCoA Clinical Director's Executive Committee in 2015, then the Chair in 2019.



Dr Fiona Donald
Vice-President, RCoA

Dr Fiona Donald qualified from Bristol University in 1985 and trained in anaesthetics in Bristol, the southwest, Oxford and Geneva from 1987-97. She was appointed as a Consultant at Southmead Hospital in Bristol in 1997. Fiona's main area of clinical and research interest is obstetric anaesthesia concentrating on improvements in safety through team training. She has long been involved in teaching and training anaesthetists and has held many roles in this area including Chair of the Final FRCA. Fiona was College tutor, Education Director and Chair of the Board for the Bristol School of Anaesthesia between 2000 and 2010 and became an FRCA examiner in 2009. She is also a member of the Finance and Resources Board and the Education, Training and Events Board in the College.



**Professor
Ravi Mahajan**
President, RCoA

Professor Ravi Mahajan qualified in anaesthesia in 1985 in India, came to the UK in 1988 and has since had 30 years' experience in the NHS. During this time Ravi has been supporting the development of a culture that instinctively puts patient safety first in all considerations, a significant change seen in his time as a clinician. Serving as Council member since 2007, in 2016 he became Vice-President and then President in September 2018, alongside his role as Professor of Anaesthesia and Intensive Care at University Hospitals, Nottingham. Previously Ravi was Editor-in-Chief of the peer review journal at the British Journal of Anaesthesia (BJA). In his career as an anaesthetist Ravi has helped to develop the Safe Anaesthesia Liaison Group, the National Institute for Academic Anaesthesia, the Health Services Research Centre and more recently the Centre for Perioperative Care.



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29 January 2021 | 24-25 February 2021 | April 2021



The Winter Symposium 2020 Christmas Lecture

Professor Dame Clare Gerada

Professor Clare Gerada had just passed her 27th year mile stone working in the same GP practice in South London.

She began working there having first trained in psychiatry and the Maudsley Hospital (where incidentally she met her husband, Simon Wessely).

Clare has worked at the interface between mental health and primary care ever since with a special interest in the care of substance misusers, the homeless and currently mentally ill doctors.

For the last decade she has led the largest physician health service in Europe and to date the service has had over 5000 doctors and dentists with mental illness present to it.

Clare led the Royal College of General Practitioners between 2010-2013, only the second women in its history to at its head. Clare trained in group analysis, obtaining the diploma of Group Analysis in 2014. She uses her experience from this field to help understand why doctors are so unhappy. Clare is proud that other than when on annual leave she is still a front line GP and even does her fair share of out of hours work. In 2019 Clare was elected the Co-Chair of the NHS Assembly.

Clare was appointed Member of the Order of the British Empire (MBE) in the 2000 Birthday Honours for service to medicine and to drug misusers and Dame Commander of the Order of the British Empire (DBE) in the 2020 Birthday Honours for services to general practice.

Clare has recently published her new book *Beneath the White Coat* (all proceeds from the sale of the books will go to the Doctors in Distress charity. For more information [click here](#)).

The RCoA Lifelong Learning Platform (LLP) continues to go from strength to strength.

Launched in August 2018, with CPD functionality following in November 2019, the system is designed to support anaesthetists throughout all stages of their careers. Since launch there have been over 8.8 million user interactions with the LLP including nearly 1.1 million completed workplace based assessments and nearly 2.7 million completed logbook entries. Following on from CPD features going live, over 35,000 personal activities have been added and reflected upon, and the LLP includes full details of 1,300 accredited events.

During 2020 we were very pleased that the LLP was recognised by being shortlisted in the Learning Technologies Awards, and we will be continuing to deliver further enhancements to provide the best possible experience for our users. For further information please visit

www.rcoa.ac.uk/lifelonglearning

Fitter Better Sooner

Our Fitter Better Sooner toolkit will help your patients prepare for surgery and show them all the important steps they can take to improve their health and speed up recovery.



Toolkit contains:

- general information on how to prepare for surgery
- specific leaflets on preparing for the most common operations
- animation on how to get ready for surgery.

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Royal College of
General Practitioners



Royal College
of Surgeons
ADVANCING SURGICAL CARE

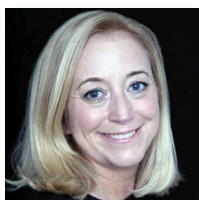
www.rcoa.ac.uk/fitterbettersooner

Speakers: Day 2

RCoA Council discussion

Chair: Dr Hamish McLure, RCoA Council

Should the anaesthetic workforce be the first choice to support ICM during times of high pressure or should they be supporting planned surgery?



Dr Ros Bacon
RCoA Council
Member



Dr Fiona Donald
RCoA Vice-President



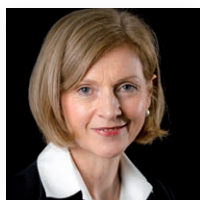
Professor William Harrop-Griffiths
RCoA Vice-President



Dr Claire Mallinson
RCoA Council
Member



Dr Felicity Laat
RCoA Council
Member



Dr Claire Shannon
RCoA Council
Member



Dr Kate Tatham
Consultant Anaesthetist
and Intensive Care,
Royal Marsden NHS
Foundation Trust

You can find biographies for our Council Members [on our website](#).



**Professor Tony Young,
OBE**

National Clinical Lead
for Innovation NHS
England and NHS
Improvement

Innovation

Chair: Dr Fiona Donald, Vice-President, RCoA

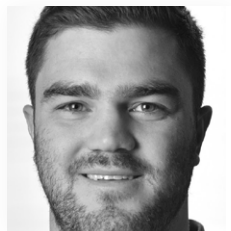
The NHS Innovation Accelerator (NIA)

Tony is a practicing frontline NHS surgeon, Associate Medical Director at the Mid and South Essex University Hospitals Group, Director of Medical Innovation at Anglia Ruskin University, and has founded 4 Med-Tech start-ups. He has also co-founded the £500m Anglia Ruskin MedTech Campus.

In 2014, he was appointed as National Clinical Director for Innovation at NHS England and in February 2016 became the first National Clinical Lead for Innovation. In this role he provides clinical leadership and support in delivering improved health outcomes in England and drives the uptake of proven innovations across the NHS, promotes economic growth through innovation and helps make the NHS the go to place on the planet for medical innovation. In 2015 he founded the NHS Clinical Entrepreneur programme. This has become the world's largest entrepreneurial workforce development programme for clinicians and under the NHS Long Term Plan is set for a major expansion to include entrepreneurs.

In the 2019 New Year's Honours list Tony was awarded the OBE for services to clinical leadership

Speakers: Day 2



Dr Alastair Darwood
Inventor, medical
device design
enthusiast and London
based junior doctor

Alastair graduated from the University of Nottingham Medical School in 2016 and secured a prestigious Academic Foundation Training Programme in surgery at St Mary's Hospital, London. With a passion for technology and innovation, Alastair founded his first company, 'Prometheus Surgical' in 2014 to develop and commercialise an internationally award-winning orthopaedic guidance technology. Following successful fundraising, IP protection and prototyping, Alastair led the sale of the company to a major UK orthopaedic tool manufacturer in May 2017 where he continues to be involved with ongoing development. Alastair is currently commercialising multiple medical device inventions such as a novel critical care ventilator and an orthobiologics device whilst undertaking a PhD in bioengineering at Imperial College London.

REVISION COURSES

Primary FRCA Online Revision Course

Start date 1 December 2020

Content will be available until the exam in February

Final FRCA Online Revision Course

Start date 14 December 2020

Content will be available until the exam in March

These courses include:

- video lectures
- powerpoint presentations
- mock exams
- chat room for discussion between trainees
- the opportunity to send in questions to lecturers and receive feedback.





What is CPOC?

The Centre for Perioperative Care (CPOC) is a cross-specialty centre dedicated to the promotion, advancement and development of perioperative care.

CPOC will facilitate cross-organisational working on perioperative care for patient benefit, in partnership with patients and the public, other professional stakeholders including Medical Royal Colleges, NHS England and the equivalent bodies responsible for healthcare in the other UK devolved nations.

Perioperative care is the integrated multidisciplinary care of patients from the moment surgery is contemplated, through to full recovery.

CPOC themes:

- improving quality of care
- supporting professionals
- technology and digital
- supporting patients
- influencing policy
- research and innovation.

Perioperative care should:

- improve patient experience of care including quality of care and satisfaction with care
- improve health of populations, including returning to home/work and quality of life, and
- reduce the per capita cost of healthcare through improving value.

CPOC is a partnership between:



Speakers: Day 2

The Debate: Lidocaine infusions for analgesia

Chair Dr Kate Tatham

This house believes that anaesthetists have no reason to be nervous about using Lidocaine infusions for analgesia.



Dr Naveen Eipe
Associate Professor,
University of Ottawa

FOR: Dr Naveen Eipe

Dr Naveen Eipe completed both his undergraduate (MBBS 1995) and postgraduate (MD Anaesthesia 2003) training at Christian Medical College Vellore in India. From 2003 to 2006, he worked as the only Consultant Anaesthetist in a remote rural Christian Mission Hospital in Central India where he developed an interest in Difficult Airways and Acute Pain. In 2006, he was moved to Canada for further training and completed Fellowships in Clinical Anaesthesia, Paediatric Anaesthesia and Acute Pain.

In 2009, Dr Eipe was appointed to the faculty of the Department of Anaesthesiology at the University of Ottawa and joined the Staff at the Civic Campus of The Ottawa Hospital. He was the Medical Director for the Civic PACU (2009-13), Clinical Lead for Bariatric Anaesthesia (since 2013) and also the Co- Director of the Acute Pain Fellowship program (2014-18). In 2016, he was elected VP (Education) for the International Society for Perioperative Care of the Obese Patient (ISPCOP). Beyond clinical work in bariatrics and acute pain, his teaching and research revolves around acute pain, airway management and care of patients with morbid obesity. He has over 70 peer-reviewed publications, presented over 75 abstracts and has over 900 citations. As an invited lecturer, he has spoken both nationally and internationally on acute pain, morbid obesity and difficult airways. Dr Eipe was promoted to Associate Professor at the University of Ottawa in 2019.

Outside of his work, he likes to bike and gym, travel the world to see old cathedrals and sample local craft beer. Dr Naveen Eipe can be followed on Twitter [@NaveenEipe](https://twitter.com/NaveenEipe)



Dr Siân Jaggar
Consultant
Anaesthetist, Royal
Brompton Hospital

AGAINST: Dr Siân Jaggar

Dr Siân Jaggar is a consultant cardiothoracic anaesthetist at Royal Brompton Hospital, London. She anaesthetises patients of all ages with both congenital and acquired cardio-respiratory disease. In addition to clinical work, she has a major interest in medical education, having been the lead College Tutor for the RCoA. She is currently a national trainer and examiner for the RCoA, and also acts as an external examiner for the Aga Khan Hospital in Nairobi. With colleagues, she has edited popular books on pain and the importance of clinical governance in ensuring continuing development of high clinical standards (of which education is a cornerstone).

Outside medicine, Siân is a keen traveller, undertaking much of this on foot, bicycle or canoe. In London she is an active supporter of her local football team

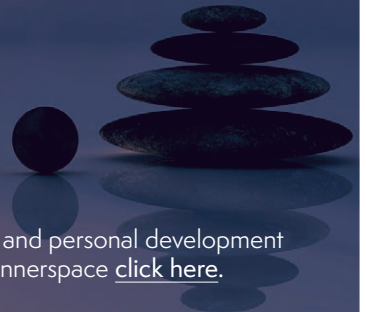
MEDITATION IN THE WORKPLACE

An online guided meditation session



A 20 minute meditation to relax your mind, refresh your focus and recharge your energy.

Tutor: Karen Dowd



This meditation is provided by Innerspace, a meditation and personal development centre in Covent Garden. For more information about Innerspace [click here](#).

Speakers: Day 2



Professor Emery Brown

Edward Hood Taplin Professor of Medical Engineering and Professor of Computational Neurosciences, MIT
Education England

The development of a deep neural network

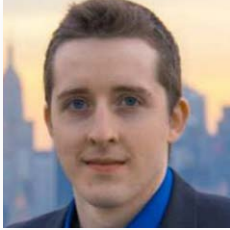
Chair Dr Jamie Strachan

Automating anaesthetic delivery with deep reinforcement learning

Emery Brown is the Edward Hood Taplin Professor of Medical Engineering and professor of computational neuroscience at Massachusetts Institute of Technology. He is the Warren M. Zapol Professor of Anaesthesia at Harvard Medical School and Massachusetts General Hospital (MGH), and an anaesthesiologist at MGH. Brown received his BA (magna cum laude) in Applied Mathematics from Harvard College, his MA and PhD in statistics from Harvard University, and his MD (magna cum laude) from Harvard Medical School.

He completed his internship in internal medicine at the Brigham and Women's Hospital and his residency in anaesthesiology at MGH. Brown is an anaesthesiologist-statistician recognized for developing signal processing algorithms for neuroscience data analysis and for defining the neurophysiological mechanisms of general anaesthesia. Brown was a member of the NIH BRAIN Initiative Working Group. He is a fellow of the IEEE, the AAAS, the American Academy of Arts and Sciences and the National Academy of Inventors. Brown is a member of the National Academy of Medicine, the National Academy of Sciences and the National Academy of Engineering.

He received an NIH Director's Pioneer Award, the National Institute of Statistical Sciences Sacks Award, the American Society of Anaesthesiologists Excellence in Research Award, the Dickson Prize in Science and the Swartz Prize for Theoretical and Computational Neuroscience



Dr Marcus Badgeley
AI Engineer, Neurable
and Affiliate Scientist,
MIT

Dr Marcus Badgeley is a physician scientist and product manager interested in translating health tech into new products and services. He's currently an AI engineer at the neurotech startup Neurable, and an affiliate scientist at Massachusetts Institute of Technology (MIT).

While a post-doc at MIT he studied deep reinforcement learning to titrate anaesthetic medication based on patients' brainwaves. He attended Mount Sinai Medical School in New York City and did graduate studies in nanotechnology at Ohio State University and deep learning radiology at Google Life Sciences in the Bay Area.



Dr Gabriel Schamberg
Postdoctoral Fellow,
Picower Institute for
Learning and Memory
and MIT

Gabriel Schamberg is a Postdoctoral Fellow at the Picower Institute for Learning and Memory and the Massachusetts Institute of Technology. His current research focuses on the development of state-space and machine learning models for automating anaesthetic delivery in the operating room. He also studies applications of information theory for quantifying cause-and-effect relationships and understanding information processing in complex systems. Gabriel obtained his PhD in Electrical Engineering from the University of California, San Diego.

Speakers: Day 2



Dr Ash Gupta
Consultant Anaesthetist,
Gateshead

Regional anaesthesia

Chair: Professor William Harrop-Griffiths

Controversies in regional anaesthesia – A panel discussion

Dr Ash Gupta has been a consultant anaesthetist at Gateshead NHS Foundation Trust since 2012. He is also Lead clinician Regional anaesthesia and Day surgery and Lead trainer for the regional anaesthesia advanced module

He set up awake shoulder surgery service at Gateshead and has been a RA-UK board member since 2017.



Dr David Johnston
Consultant Anaesthetist,
Belfast

Dr David Johnston works as a consultant in Belfast and has a specialist interest in acute pain management, regional anaesthesia and peri-operative research. He is involved in orthopaedic and trauma block room development, rib fracture analgesia programme and PI for ongoing thoracic and orthopaedic trials.

[@davejohnston24](https://twitter.com/davejohnston24)



Dr Kim Russon
Consultant Anaesthetist,
Rotherham

Dr Kim Russon is a Consultant Anaesthetist and Clinical Lead for Day Surgery at The Rotherham Foundation Trust. She says she is privileged to have a fantastic Day Surgery team who are committed to delivering a high quality Day Surgery service.

She has an interest in Regional Anaesthesia (RA) and Education and regularly teaches on national RA courses and the RA MSC run by University of East Anglia.

She has been on Council for the British Association of Day Surgery (BADS) since 2016 and organised the BADS Conferences in 2018 and 2019. She is now President of The British Association of Day surgery (BADS). BADS is a multidisciplinary organisation working to promote day surgery with established links to the Association of Anaesthetists, Royal College of Anaesthetists, Royal College of Surgeons and other specialist surgical societies and is currently working in collaboration with NHSE, GIRFT and CPOC to increase day surgery rates nationally.



Dr Jonathan Womack
Consultant Anaesthetist,
Newcastle

Dr Jonathan Womack is a consultant at the Royal Victoria Infirmary in Newcastle, where he leads RA services. He is heavily involved in RA education, a diplomat and now faculty member of the RA MSc, and research, where his interests include cadaveric studies and teaching of technical skills.

Abstracts

The shortlisted abstract presenters are:

Improving the accuracy of fraction of inspired oxygen documentation in intensive care during COVID-19 pandemic at Royal Blackburn Hospital	Dr Gareth Allen	Royal Blackburn Hospital
Development of a critical care dashboard during the COVID-19 pandemic	Joy Greenwood	Manchester University NHS Foundation
Quantifying the degree of aerosol spread of COVID-19 with high flow nasal oxygen therapy	Tommy Lwin	
Modernising blood sample collection in a tertiary hospital centre; a bedside application.	Luke Parker	Bristol and Western Hospital
The effect of PPE on communication in simulation based education and lessons to be learnt for clinical practice – use your V.O.I.C.E.	Ganesh Rajaratnam	Dudley Group NHS Foundation Trust

