

PETE LAX

MB ChB (Hons) · FRCA · FCICM · FIMC · Dip SML · Dip RTM RCSEd

ANAESTHESIA · CRITICAL CARE · TRAUMA · PHEM

Consultant anaesthetist, intensivist and pre-hospital emergency medicine physician. Assistant Professor and Director of Trauma Anesthesiology at Johns Hopkins, with clinical and academic work across trauma, resuscitation, retrieval and transfer medicine, major incident response and medical education.

PUBLIC PROFESSIONAL CV

September 29, 2026

petelax.com

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Current Appointments

University

03/01/2024-	Assistant Professor, Department of Anesthesia and Critical Care Medicine, Johns Hopkins University School of Medicine, Baltimore, Maryland, USA
07/2026-	Director of Trauma Anesthesiology, The Johns Hopkins Hospital, Baltimore, Maryland, USA
07/2026-	Medical Control Chief, Major Incident Command, The Johns Hopkins Hospital, Baltimore, Maryland, USA

Other

09/2010-	Medical Officer, Royal Air Force Medical Services, UK
04/2017-	Consultant in Anaesthesia and Intensive Care Medicine, Royal Air Force Medical Services, UK
04/2024-	Core Faculty, Anesthesiology & Critical Care Medicine Center for Immersive Simulation and Telemedicine, Johns Hopkins University School of Medicine, Baltimore, MD, USA
04/2024-	Core Faculty, Anesthesiology & Critical Care Medicine Residency Program, Johns Hopkins University School of Medicine, Baltimore, MD, USA

Education and Training

Doctoral/graduate

07/13/2005	MBChB - Bachelor of Medicine and Bachelor of Surgery, University of Leicester Medical School Graduated with Honours
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Internship

08/03/2005-07/31/2007	West Midlands Foundation Programme, General/Colorectal Surgery, Anaesthesia/Intensive Care Medicine, Cardiology/Internal Medicine, Cardiothoracic Surgery and Critical Care, Emergency Medicine, West Midlands Foundation School, UK.
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Residency

08/01/2007-07/17/2010	Anaesthesia and Intensive Care Medicine Rotational Training, Anaesthesia And Intensive Care Medicine, Northern School of Anaesthesia, UK Initial specialty training in Anaesthesia and Intensive Care Medicine prior to joining the Royal Air Force.
03/01/2011-04/04/2013	Anaesthesia and Intensive Care Medicine Rotational Training, Anaesthesia and Intensive Care Medicine, Defence School of Anaesthesia, Defence Postgraduate Medical Deanery, UK Intermediate specialty training in Anaesthesia and Intensive Care Medicine.
04/04/2014-04/27/2017	Anaesthesia and Intensive Care Medicine Rotational Training, Anaesthesia and Intensive Care Medicine, Defence School of Anaesthesia, Defence Postgraduate Medical Deanery, UK Final stage of UK specialty training following Trauma Anaesthesia Fellowship; completed dual specialty training in Anaesthesia and Intensive Care Medicine in April 2017.

Fellowship

04/04/2013-04/04/2014	Trauma Anesthesia Fellowship, Anesthesia and Critical Care Medicine, R. Adams Cowley Shock Trauma Center, University of Maryland, Baltimore, Maryland, USA.
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Professional Experience

02/2006-04/2014	Pre-Hospital Emergency Medicine Doctor, West Midlands CARE Team, Birmingham, UK
09/2010-	Medical Officer, Royal Air Force Medical Services, UK
11/01/2010-03/01/2011	General Duties Medical Officer, Role 4 Hospital, Queen Elizabeth, Birmingham, UK
01/2012-04/2014	Pre-Hospital Emergency Medicine Doctor, West Midlands, MERIT Team, Birmingham, UK
05/2014-03/2024	Pre-Hospital Emergency Medicine/Helicopter Emergency Medicine (HEMS) Doctor, The Air Ambulance Service, Coventry, UK

04/2017-	Consultant in Anaesthesia and Intensive Care Medicine, Royal Air Force Medical Services, UK
01/02/2018-02/2021	Consultant in Anaesthesia and Intensive Care Medicine, Leeds General Infirmary, Leeds, UK
07/2019-03/2024	Clinical Supervisor, The Air Ambulance Service, Coventry, UK
02/01/2021-03/01/2024	Consultant in Anaesthesia and Intensive Care Medicine, Lincoln County Hospital, Lincoln, UK
08/2021-03/2024	Retrieval and Transfer Physician/Coordinator, East Midlands Adult Critical Care Coordination Transfer Service (ACCOTS), Newark, UK
03/01/2024-	Assistant Professor, Department of Anesthesia and Critical Care Medicine, Johns Hopkins University School of Medicine, Baltimore, Maryland, USA
04/2024-	Core Faculty, Anesthesiology & Critical Care Medicine Center for Immersive Simulation and Telemedicine, Johns Hopkins University School of Medicine, Baltimore, MD, USA
04/2024-	Core Faculty, Anesthesiology & Critical Care Medicine Residency Program, Johns Hopkins University School of Medicine, Baltimore, MD, USA
07/2026-	Director of Trauma Anesthesiology, The Johns Hopkins Hospital, Baltimore, Maryland, USA
07/2026-	Medical Control Chief, Major Incident Command, The Johns Hopkins Hospital, Baltimore, Maryland, USA

PUBLICATIONS

Review Articles [RA]

1. Lax P, Prior K. Major incident pre-hospital care. *Surgery (Oxford)* 2015; 33(9):419-23. <http://dx.doi.org/10.1016/j.mpsur.2015.07.009>
2. Beard L, Lax P, Tindall M. Physiological effects of transfer for critically ill patients [Internet]. Konstantatos A, editor. World Federation of Societies of Anesthesia Resource Library. 2016 [cited 2022Dec20]. Available from: <https://resources.wfsahq.org/atotw/physiological-effects-of-transfer-for-critically-ill-patients/>
3. Lax P, Nesbitt I. Major incidents: an overview. *Surgery (Oxford)*. 2018;36;(8), 386-388, doi:10.1016/j.mpsur.2018.04.010
4. Lax P, Dagal A. Recent Advances in the Use of Vasopressors and Inotropes in Neurotrauma. *Current Anesthesiology Reports*. 2018;8(1), 86-93 doi:10.1007/s40140-018-0255-8
5. Lax P, Prior K. Major incident pre-hospital care. *Surgery (Oxford)*. 2018;36(8), 402-408 doi.org/10.1016/j.mpsur.2018.05.005
6. Porthouse A, Clancy H, Lax P Training for major incidents. *Surgery (Oxf)*. 2021 Jul;39(7):388-392. PMID: 34092879. Epub 2021 May 30
7. Porthouse A, Clancy H, Lax P. Training for major incidents. *Surgery (United Kingdom)*. 2024;42(7):456-460. DOI 10.1016/j.mpsur.2024.03.009

Book Chapters, Monographs [BC]

1. Lax P (2022). Point of Injury to Rehabilitation. In: Lax P (eds) *Textbook of Acute Trauma Care*. pp 67-78. Springer, Cham. doi:10.1007/978-3-030-83628-3_5
2. Lax P, Veitch J. (2022). Fundamentals of Airway Management in Trauma. In: Lax P (eds) *Textbook of Acute Trauma Care*. pp 97-112. Springer, Cham. doi:10.1007/978-3-030-83628-3_7
3. Lax P. (2022). Breathing and Chest Trauma. In: Lax P (eds) *Textbook of Acute Trauma Care*. pp139-167. Springer, Cham. doi:10.1007/978-3-030-83628-3_9
4. Lax P. (2022). Circulation. In: Lax P (eds) *Textbook of Acute Trauma Care*. pp169-198. Springer, Cham. doi:10.1007/978-3-030-83628-3_10
5. Lax P. (2022). Initial Approach to Damage Control Resuscitation. In: Lax P (eds) *Textbook of Acute Trauma Care*. pp 275-286. Springer, Cham. doi:10.1007/978-3-030-83628-3_14
6. Lax P. (2022). Silver Trauma. In: Lax, P. (eds) *Textbook of Acute Trauma Care*. pp727-741. Springer, Cham. doi:10.1007/978-3-030-83628-3_37

7. Gould RJ, Lax P (2022). Disability and Head Injury. In: Lax P (eds) Textbook of Acute Trauma Care. pp 199- 222. Springer, Cham. doi:10.1007/978-3-030-83628-3_11
8. Mealey J, Lax P. (2022). Scene Safety. In: Lax P (eds) Textbook of Acute Trauma Care. pp409-420. Springer, Cham. doi:10.1007/978-3-030-83628-3_20
9. Moore J, Lax P. (2022). Aviation Considerations in PHEM. In: Lax P (eds) Textbook of Acute Trauma Care. pp 389-408. Springer, Cham. doi:10.1007/978-3-030-83628-3_19
10. O'Meara M, Lax P. (2022). Traumatic Cardiac Arrest. In: Lax P (eds) Textbook of Acute Trauma Care. pp 223- 241. Springer, Cham. doi:10.1007/978-3-030-83628-3_12
11. Sira J, Lax P. (2022). Trauma in the Intensive Care Unit (ICU). In: Lax P (eds) Textbook of Acute Trauma Care. pp 601-613. Springer, Cham. doi:10.1007/978-3-030-83628-3_31
12. Veitch J, Lax P, Roy N. (2022). Drug Assisted Airway Management. In: Lax P (eds) Textbook of Acute Trauma Care. pp 113-137. Springer, Cham. doi:10.1007/978-3-030-83628-3_8
13. Yalamuru B, Swaran Singh TS, Lax P. (2022). Pain Management in Trauma. In: Lax P (eds) Textbook of Acute Trauma Care. pp 243-272. Springer, Cham. doi:10.1007/978-3-030-83628-3_13
14. Yaqub A, Lax P. (2022). Massive Haemorrhage Control. In: Lax P (eds) Textbook of Acute Trauma Care. pp79- 95. Springer, Cham. doi:10.1007/978-3-030-83628-3_6

Books, Textbooks [BK]

1. Lax P. (Ed.), Textbook of Acute Trauma Care - Springer, 1st Edition, ISBN 978-3-030-83628-3, <https://www.springer.com/us/book/9783030836276#otherversion=9783030836283> 153,000 downloads per Springer as of July 2026. Current interest in releasing a Second Edition.

Editorials [ED]

1. Lax, P. Anaesthesia News, Training for Pre-Hospital Anaesthesia. Available: http://www.aagbi.org/publications/anaesthesia_news/2012. Last accessed 11th July 2012

Letters, Correspondence [LT]

1. Marr, R., Lax, P. "Tracheal tubes can be cut safely when in situ". Anaesthesia, 2011, Volume 66, Issue 8, 753. 10.1111/j.1365-2044.2011.06831.x

Published Curricula, Learner Assessment Tools, Educational Evaluations, Assessment/Evaluation Instruments [PC]

1. Forrest M, Lax P, van der Velde J (eds). Anaesthesia, Trauma and Critical Care Course Manual. 8th ed. The ATACC Group; 2014. ISBN 978-0-9930618-1-3.
2. Lax P. iTIVA: A Practical Guide for TCI & TIVA. Version 1. Zenodo; 2026. doi:10.5281/zenodo.22237703. * Co-author, ** Mentee

CLINICAL ACTIVITIES

Certification

Medical, other state/government licensure

07/2005	General Medical Council, UK
10/2023	Maryland State Medical Board

Boards, other specialty certification

12/2011	Fellowship of the Royal College of Anaesthetists (FRCA)
09/2012	Diploma of Retrieval and Transfer Medicine, Royal College of Surgeons of Edinburgh
03/2013	Diploma of Immediate Medical Care, Royal College of Surgeons of Edinburgh
04/2017	Certificate of Completion of Training - Anaesthesia and Intensive Care Medicine - General Medical Council (UK)
05/2018	Fellowship of the College of Intensive Care Medicine (FCICM)
07/2019	Fellowship of Immediate Medical Care (FIMC), Royal College of Surgeons of Edinburgh

Clinical (Service) Responsibilities

- 2011-03/2024** Consultant (formerly registrar), Critical Care Air Support Team (CCAST), Royal Air Force, Full-Time Employment, Anaesthesia, Intensive Care Medicine, Retrieval and Transfer Medicine Responsible for the aeromedical transfer of military and entitled civilians and military personnel back to the UK from international destinations as ICU/High Dependency patients. Tours on both strategic and tactical platforms on multiple deployments with undifferentiated patients with traumatic and non-battle injuries requiring emergency stabilisation and transfer to definitive care
- 05/2014-03/2024** Clinical Supervisor (formerly contractor) The Air Ambulance Service, Additional work, approximately 3-6 12 hour shifts per month, Pre-Hospital Emergency Medicine (PHEM/HEMS/EMS) Responsible for the first-hand delivery of advanced pre-hospital emergency medical care to an unselected civilian population in a large geographic area of the East and West Midlands by helicopter or fast response vehicle. Further competitive selection to a supervisory post to provide remote senior advice, provide morbidity and mortality reviews and develop standard operating procedures for the service in addition to clinical workload.
- 01/2018-02/2021** Consultant, Leeds General Infirmary, Full-Time Employment, Anaesthesia and Intensive Care Medicine Part of a military placement in a Major Trauma Centre in the north of England. Responsible for the anaesthesia care of unselected emergency patients in a tertiary referral centre, with regular lists in cranial and spinal neurosurgery, major orthopaedics and pelvic surgery, vascular surgery, neuroradiology, orthoplastic surgery and paediatric spinal surgery. Critical care cover of neuro- and general ICU, with a predominantly trauma workload, management of out of hospital cardiac arrests and elective post-surgical care. On-call responsibilities as a Major Trauma Anaesthesia Consultant in addition to daily workload.
- 02/2021-03/2024** Consultant, Lincoln County Hospital, Full Time Employment, Anaesthesia and Intensive Care Medicine Consultant in Intensive Care Medicine and Anaesthesia, Lincoln County Hospital. Further military placement to enable me to work closer to my family. Responsible for Intensive Care management of unselected emergency patients, medical and surgical ICU admissions, out of hospital cardiac arrests and evaluation/admission of deteriorating ward patients in a District General Hospital. Further anaesthesia sessions in emergencies, trauma lists, elective major orthopaedics, elective major colorectal, urological and robotic surgery.
- 08/2021-03/2024** Consultant, East Midlands Adult Critical Care Coordination and Transfer Service (ACCOTS), 3-6 12 hour shifts per month, Retrieval and Transfer Medicine Provision of ground-based ICU transfers of elective and emergency patients around the East Midlands for capacity management or upgrades of care. Further roles within the organisation as a coordinating consultant responsible for capacity management and transfers of patients to multiple ICUs in a managerial/coordinating capacity.
- 07/01/2026-** Director of Trauma Anesthesiology, Johns Hopkins Hospital, Anaesthesia Clinical lead for trauma anaesthesia at Johns Hopkins Hospital, responsible for development and oversight of trauma anaesthesia practice, quality and performance improvement, and multidisciplinary collaboration across the trauma system. Educational responsibilities include oversight of the resident pre-hospital medicine elective and STAT MedEvac intubation-currency clinical rotations.
- 07/01/2026-** Medical Control Chief (Major Incident Management), Johns Hopkins Hospital, Anaesthesia, Critical Care, Major Incident Management One of three physician leads for medical control within the Johns Hopkins Hospital major incident command structure. Responsible for clinical coordination and medical decision-making during hospital emergency and major incident responses, and for development and review of major incident plans, procedures, training and exercises

Clinical Productivity

My clinical practice at Johns Hopkins comprises approximately 64% operating-room anaesthesia, 31% adult intensive care and 5% out-of-operating-room emergency, airway and rapid-response care, based on my 2025-2026 daytime clinical activity. I also undertake substantial in-house and overnight clinical responsibilities across these same areas: Zayed Operating Room (ZOR) call providing elective and emergency perioperative anaesthesia, adult WICU/SICU critical care call, and Rapid Response Team (RTL) and ZOR backup providing emergency airway management, resuscitation and other out-of-operating-room care.

EDUCATIONAL ACTIVITIES

Teaching and Facilitating Learning

Classroom instruction

JHMI

10/24/2024-	Faculty Lecturer, Residents, The Modern Anesthesia Machine, Johns Hopkins Hospital, 30
01/30/2025-	Faculty Lecturer, Residents, Neuraxial Anesthesia, Johns Hopkins Hospital, 30
09/2025-	Faculty Lecturer, Residents, Trauma Anaesthesia & Human Factors, Johns Hopkins Hospital, 30

Regional

2005-2007	Instructor, PGY1-4, RN, Acute Life Threatening Events: Recognition and Treatment (ALERT) Course, Deanery Postgraduate Medical Centre, 30
2007-2015	Lecturer/Instructor, Medical Students, University of Birmingham Medical School Undergraduate Trauma Course, University of Birmingham, 500+ per course Undergraduate trauma curriculum delivered through the West Midlands CARE Team; sponsored by the Faculty of Pre-Hospital Care, Royal College of Surgeons of Edinburgh. Included large-group lectures and small-group practical demonstrations and discussion.
2009-2016	Invited Speaker, PGY1-2, Foundation Programme Regional Teaching, Deanery Postgraduate Medical Centre, 30-60

Clinical instruction

Regional

01/2018-03/2024	Clinical Supervisor for Medical Students and Anaesthesia/ICM Trainees, Undergraduate - PGY9, Postgraduate Medical Training, Multiple hospitals in the UK, 1-3 per day
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CME instruction

Regional

2013-2014	Instructor, PGY1 - Attending level, ATLS, Shock Trauma Center, Baltimore, Maryland, USA, 30 per course
05/2026	Invited Speaker - Grand Rounds, Residents and Attending Physicians, Trauma Anaesthesia in 2026 - The physiological basis of our practice, University of Pittsburgh Medical Centre, 50

National

2006-2018	Instructor/Lecturer/Senior Faculty, PGY2 - Attending level, paramedics, nurses, Anaesthesia, Trauma and Critical Care Course (ATACC), Winsford Fire Service Headquarters, 40 per course Thrice yearly international course for all levels of doctor, first responders and EMS/in-hospital staff, teaching trauma care from pre-hospital care to ICU. Approved as a UK alternative to ATLS by Royal College of Surgeons of England.
01/2013-03/2024	Instructor, PGY1 - Attending level, Advanced Life Support, Multiple venues across the UK, 30 per course Course delivered around the country on behalf of the UK Resuscitation Council.

International**11/2019-**

European Trauma Course - Instructor and Course Manual Chapter Author. Multidisciplinary trauma course for doctors, nurses and pre-hospital clinicians, delivered at multiple venues across the UK and Europe; approximately 40 participants per course.

Program Building and Curriculum Development**International****02/2026-**

iTIVA - TIVA/TCI Clinical Education Guide, International digital anaesthesia education Comprehensive educational guide developed for the internationally distributed iTIVA pharmacokinetic/pharmacodynamic simulation platform, covering TIVA/TCI pharmacology, PK/PD models, clinical application, workflow, safety and model selection. The iTIVA platform has >10,000 publicly documented Android downloads alone; individual readership of the educational guide is not separately tracked.

Educational Leadership**JHMI****07/2026-**

Director, Johns Hopkins Department of Anesthesiology and Critical Care Medicine, Resident Pre- Hospital Medicine Elective Lead for the resident pre-hospital medicine elective, providing experiential education in pre-hospital and retrieval medicine for Johns Hopkins anesthesiology residents. Responsible for program oversight, clinical placements, educational objectives and integration of the elective with resident training.

Regional**10/2004-07/2005**

Project co-founder, University of Leicester Medical School, Students as teachers project Co-founded peer-to-peer teaching initiative in which final-year medical students provided teaching to junior students during early clinical courses and modular examinations.

07/2026-

Clinical Educational Lead, Johns Hopkins Hospital / STAT MedEvac, STAT MedEvac Intubation- Currency Clinical Rotation Clinical education lead for operating-room rotations undertaken by STAT MedEvac clinicians to maintain airway management and tracheal intubation experience. Responsible for clinical placement, supervision and integration of pre-hospital clinicians into appropriate anaesthesia training opportunities.

National**07/2016-2018**

Project Founder, Armed Services Consultant Appointments Board (ASCAB) Revision Group, Project Founder Conceived and established a national peer-education and revision group for UK Defence Medical Services specialty trainees preparing for the Armed Services Consultant Appointments Board. Led the revision group, developed substantial sections of the original ASCAB revision guide, identified gaps in content and coordinated contributions from other trainees and subject-matter contributors. The group and revision resource continued after my direct involvement.

SYSTEM INNOVATION AND QUALITY IMPROVEMENT ACTIVITIES**System Innovation and Quality Improvement efforts within JHMI****07/2026-**

Director of Trauma Anesthesiology / Clinical Lead, Adult Trauma Anaesthesia Program Development and Quality Improvement, The Johns Hopkins Hospital, Baltimore, MD, Ongoing development and standardisation of adult trauma anaesthesia practice, multidisciplinary pathways, education and quality improvement within the Johns Hopkins Level I Trauma Center. Clinical leadership initiative focused on the perioperative care of critically injured adult patients, including review and development of trauma anaesthesia practice, multidisciplinary coordination with Trauma Surgery, Emergency Medicine and Critical Care, and identification of opportunities for quality and performance improvement. Current program development includes resident pre-hospital medicine education and collaboration with STAT MedEvac to establish intubation-currency clinical rotations.

System Innovation and Quality Improvement efforts outside of JHMI

2020	Designer / Clinical Lead - Ventilator Troubleshooting Cognitive Aid, COVID-19 Ventilator Troubleshooting Cognitive Aid, Leeds Teaching Hospitals NHS Trust, Bedside decision-support tool developed for recognition, troubleshooting and escalation of deterioration in mechanically ventilated COVID-19 patients. Structured Equipment-Tube-Patient assessment pathway with explicit escalation thresholds, emergency actions and bounded ventilator interventions, designed to support safe troubleshooting by staff working in expanded critical care environments.
2020	Project lead - redesign of Anaesthesia Chart, Leeds General Infirmary, Leeds General Infirmary, Redesign chart adopted for use in operating rooms in preference to the pre-existing documentation
02/2020-07/2020	Designer / Clinical Lead - COVID-19 Critical Care Daily Review Tool, COVID-19 Critical Care Daily Review and Cognitive Aid, Leeds Teaching Hospitals NHS Trust / NHS Nightingale Hospital Yorkshire and the Humber, Structured bedside cognitive aid implemented for daily review of critically ill COVID-19 patients and adapted for use within the NHS Nightingale Hospital. Integrated physiological targets, lung-protective ventilation, treatment ceilings, sedation, organ support, safety checks and multidisciplinary care planning; iteratively revised following clinical review and implementation feedback.
03/2022	Clinical Lead for development of in-flight clinical toolkit and checklist, Royal Air Force Critical Care Air Support Team, Tactical Medical Wing, Brize Norton, UK Deployed Base Gao, Mali, Toolkits used for deployed patient moves and integrated into simulation for new starters
05/2023	Project Lead - Transfer Record/checklist redesign, Lincoln County Hospital, ICU, New checklist and documentation adopted for all intra- and inter-hospital transfers System Innovation and Quality Improvement Program Building/Leadership:
01/2016-10/2016	Trainee equipment lead, Anaesthesia and Intensive Care Department, Queen Elizabeth Hospital, Birmingham, Anaesthesia/ICU Equipment Procurement, Birmingham, UK Duties included educating new anaesthetics staff on equipment, assessing new equipment for use in the anaesthetics and intensive care departments, assisting with quality control of equipment and deputising for and assisting the consultant Equipment Lead as needed at departmental and divisional meetings.
06/2018-02/2021	Steering Group Member, Equipment Strategy Group, Anaesthesia and Intensive Care Medicine Department, Leeds General Infirmary, Leeds, UK 1 day per month meetings and additional admin time spent with other departments (principally emergency medicine) and representatives. Responsible for assessing and upgrading medical devices/capability and ensuring cross-compatibility with other devices/consumables used in the Trust for critical care patients. Responsible for leading on mass transfusion device upgrade from Level 1 to Belmont system.
07/2019-03/2024	Clinical Supervisor, Clinical Supervision Group/On Call Rota, The Air Ambulance Service, Coventry, UK 8-12 shifts per month and bi-monthly meetings. Providing emergency telephone advice to clinical crews, development/review of standard operating procedures, case reviews and quality assurance projects within The Air Ambulance Service.
02/2020-06/2020	Protocols and Clinical Intelligence Lead, COVID-19 Critical Care Protocols and Clinical Intelligence, Leeds Teaching Hospitals NHS Trust, Leeds, UK, Developed and implemented clinical standards and cognitive aids for COVID-19 critical care and surge environments, including CPAP guidance, procedural-development standards, daily ICU review documentation and ventilator troubleshooting. Materials developed at Leeds were subsequently adapted for use within the NHS Nightingale Hospital response outside the Leeds Teaching Hospitals system. One of three clinical leads for Protocols and Clinical Intelligence within the COVID-19 critical care command structure, responsible for development, review, quality control and implementation of clinical procedures, guidelines and bedside cognitive aids, with implementation feedback through Theatres/Anaesthesia/ICU leadership to Hospital Silver Command.

ORGANIZATIONAL ACTIVITIES

Editorial Activities

Journal peer review activities

2019	Journal of the Royal Army Medical Corps
07/17/2025-	Peer Review of articles, Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine

Professional Societies

2009-	Intensive Care Society - Member
2010-2017	Society for Triservice Anaesthetic Trainees - Member; Annual Conference Organising Committee, IT & Presentations Lead (2015-2016); Honorary Secretary (2015-2016)
2010-	Triservice Anaesthetic Society - Member
2025-	American Society of Anesthesiologists - Member; Committee on Trauma and Emergency Preparedness (from 10/2025)
2026-	Trauma Anesthesia Society - Member

Conference Organizer

National

11/2009	Second Annual Northern Trauma Network Conference, Durham, UK National trauma conference; sole organiser on behalf of the Northern Trauma Network, including programme development, invited faculty, venue selection and booking, and organised industry sponsorship.
2016	Society for Triservice Anaesthetic Trainees, RAF Cranwell, UK Honorary Secretary and Conference Organising Committee member; national UK military anaesthesia meeting with invited national and international faculty
07/2016	Triservice Critical Care Society, RAF Cranwell, UK Conference Organising Committee member; IT and presentations lead for national UK military critical care meeting.

Session Chair

National

04/2016	Trauma Care UK National Conference, Yarnfield, Staffordshire. Panel presenter/Facilitator, Extrication Masterclass. Led a multi-disciplinary discussion for EMS, first responders, pre-hospital physicians of all levels and firefighters on medical and technical rescue aspects of trauma care
03/2017	Trauma Care UK National Conference, Yarnfield, Staffordshire. Facilitated the multidisciplinary consolidation session following the Extrication Day Challenge, integrating clinical and technical lessons from simulated rescue scenarios for EMS clinicians, pre-hospital physicians, first responders and firefighters.

RECOGNITION

Awards, Honors

07/13/2005	Graduated with Honours, Medical Degree Conferral Ceremony, University of Leicester Medical School
07/2017	Winner, Air Power Essay Prize, Awarded to the RAF Student presenting the best academic synthesis of a prescribed military/defence topic for analysis, Intermediate Staff And Command College, UK Defence Academy, Shrivenham, UK

- 03/08/2019** Green Card Commendation, Awarded in recognition of going above and beyond the expectations of medical students during clinical placements and teaching sessions, Leeds School of Medicine / Leeds Teaching Hospitals NHS Trust
- 08/2022** The Lady Cade Medal, National Royal Air Force Medical Services award presented annually to the RAF physician judged to have made the most significant contribution to the capabilities of the Royal Air Force. Awarded for contributions to Trauma Care, culminating in publication of the Textbook of Acute Trauma Care., The Royal Air Force Medical Services/Royal College of Surgeons of England
- 2025** Most Innovative Teacher Award, 2025, Presented annually to an attending physician in recognition of innovation in anesthesia education, as voted by ACCM residents, Johns Hopkins Anesthesia and Critical Care Medicine Department

Invited Talks

JHMI

- 05/15/2025** Choice of induction agents for Out-of-OR Intubations, Grand Rounds, Johns Hopkins Hospital

Regional

- 02/2014** The Bleeding Obvious: The Case Against 1:1:1 Blood Transfusion, Grand Rounds, R Adams Cowley Shock Trauma Center
- 2017** The Anatomy, Physiology and Pharmacology of ageing in Trauma, Invited Speaker, University Hospital Coventry and Warwickshire Education Centre
- 2017** Use of Airway Pressure Release Ventilation in patients with refractory hypoxia, Invited Speaker, University Hospital Coventry and Warwickshire Education Centre
- 09/2018-09/2020** Trauma Training for Anaesthesia, Invited Speaker, Leeds Teaching Hospitals Postgraduate Department
- 08/2019** Transfer and Retrieval Medicine in 2019, Invited Speaker, Yorkshire Deanery School of Anaesthesia Regional Teaching Day
- 05/28/2026** Anesthesia for Trauma 2026 the Physiologic Basis for Current Practice, Grand Rounds, University of Pittsburgh Medical Center (Virtual presentation)

National

- 08/2010** Pre-Hospital Management of Head Injuries, Invited Speaker, Life Connections National Conference
- 07/2016** Lessons learned from a year in an American Trauma Centre, Plenary Speaker, Society for Triservice Anaesthetics Trainees Annual Conference
- 11/2020** Trauma Anaesthesia for Surgeons, Plenary Speaker, TALONS (TrAuma LONDon Surgery) Online Course.
- 03/2023** Trauma Critical Care, Plenary Speaker, Queen Mary University London MSc in Trauma Sciences, Online course.

OTHER PROFESSIONAL ACCOMPLISHMENTS

Posters

- 09/2008** emOx - Oxygen for remote environments and Disaster Response, 2nd Annual Magen David Adom EMS Pre-Hospital Conference, Dead Sea, Israel
- 04/2014** A Simulation Model for the Pregnant Trauma Patient: A Multidisciplinary Team Training Exercise, Association of University Anaesthesiologists 61st Annual Meeting, San Francisco, USA

Military Service

2010-2012	Flight Lieutenant, Royal Air Force
2012-2017	Squadron Leader, Royal Air Force
2017-	Wing Commander, Royal Air Force