



London School of Anaesthesia

North London Anaesthetic Programme

Stage 3

Special Interest Areas

August 2024

February 2025

August 2024 & February 2025

North London SIA Handbook

North Central SIA – Posts offered		
	Number of posts	Module lead contact email
Cardiothoracic 6 Months – 1 year		
Harefield. 12 months	3	b.silverman@rbht.nhs.uk
St Barts Hospital	1	elizabeth.ogilvie2@nhs.net
Royal Brompton Hospital	1	j.weale@rbht.nhs.net
Thoracics 6 Months		
University College Hospital	1	e.hoogenboom@nhs.net
Paediatrics 6 months		
Great Ormond Street Hospital	2	Nadine.dobby@nhs.net
Chelsea and Westminster Hospital	1	Seth.galton@nhs.net
Royal London Hospital	2	monica.maik@nhs.net)
Evelina	2	Tahzeeb.Bhagat@gstt.nhs.uk
Paediatrics 1 year		
Great Ormond Hospital London	5	Nadine.dobby@nhs.net
Obstetrics 6 Months- 1 year		
Homerton University Hospital	1	tabitha.tanqueray@nhs.net
Queen Charlotte's Hospital London	6	s.thakar1@nhs.net
Royal London Hospital	1	sarah.wray6@nhs.net
University College Hospital London	1	sohail.bampoe@nhs.net
Chelsea and Westminster Hospital	1	atika.sabharwal@nhs.net
Airway 6 Months		
Royal National Throat, Nose& Ear Hospital	3	m.gilhooly@nhs.net
Northwick Park Hospital	1	rajinderschaggar@nhs.net
Charing Cross Hospital London.	1	john.myatt@nhs.net
Royal London Hospital	1	Seema.shah4@nhs.net
University College Hospital London.	1	Simon.clarke15@nhs.net

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North Central SIA – Posts offered		
	Number of posts	Module lead contact email
Complex Orthopaedics 6 Months		
Royal National Orthopaedic Hospital	1	sanjeevan.shanmuganathan1@nhs.net
Trauma 6 Months		
Royal London Hospital	1	John.mckenna1@nhs.net
St Mary's Hospital London	1	sabeena.qureshi@nhs.net
Regional 6 Months		
Royal London Hospital	1	c.pang@nhs.net
Whipps Cross Hospital London	1	Robertlee.mccartney@nhs.net
Royal Free Hospital London	1	Gagandeep.atwal@nhs.net
University College Hospital London	1	simeon.west@nhs.net
Royal National orthopaedic Hospital	1	alexander.sell@nhs.net)
Chelsea and Westminster Hospital	1	Robert.pilling1@nhs.net
St Mary's Hospital London	1	boyne.bellew@nhs.net
Charing Cross Hospital	1	sam.haddad@nhs.net
HPB 6 Months		
Royal Free Hospital London	2	dominik.krzanicki@nhs.net
HPB and research 12 months		
Royal Free Hospital London	2	dominik.krzanicki@nhs.net
Vascular 6 Months		
Royal Free Hospital London	1	n.schofield@nhs.net
St Marys Hospital London	1	Sadie.syed@nhs.net
Vascular and POM 6 Months		
Royal London Hospital	1	Mevan.goonaratne@nhs.net
Bariatrics 6 Months		
University College Hospital London	1	wint.mon@nhs.net

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Homerton University Hospital London	1	lauren.barracclough1@nhs.net
POM & Major General 6 Months		
Royal Free Hospital London	1	Marc.wittenberg@nhs.net
University College Hospital London	2	abigail.whiteman@nhs.net
Royal London	1	c.pang@nhs.net
Major General 6 Months		
Royal Marsden Hospital	2	olivia.mingo@rmh.nhs.uk

North Central SIA – Posts offered		
	Number of posts	Module lead contact email
POM 6 Months		
Royal Marsden Hospital	2	olivia.mingo@rmh.nhs.uk
Royal London Hospital	1	Mevan.goonaratne@nhs.net
Neuroanaesthesia 6 Months – 1 year		
National Hospital for Neurology & Neurosurgery	1	val.luoma@nhs.net
Charring Cross Hospital	1	stewart.berry1@nhs.net
Ophthalmic 6 Months		
Moorfields	2	Mariepi.manoliscylwik@nhs.net
ITU/Plastics/Burns 6 Months		
Chelsea and Westminster Hospital	1	linsey.christie@nhs.net

SIAs in Cardiac and Thoracic Anaesthesia at Harefield Hospital

Unit Supervisor – Dr Ben Silverman (b.silverman@rbht.nhs.uk)

RCoA College Tutor, Department of Anaesthesia and Critical Care, Harefield Hospital

This would be a 1-year attachment in the Department of Anaesthesia and Critical Care and is most suited to the trainee aspiring to a career in cardiac or cardiothoracic anaesthesia. Over the year, the trainee would spend 2 durations, each of 6 weeks, in the Cardiac ICU. The trainee would be able to complete the SIAs in Cardiac and Thoracic anaesthesia within the year.

Harefield is a tertiary adult cardiothoracic centre specialising in complex cardiac and thoracic surgery, including heart and lung transplantation, ventricular assist devices as well as a VA- and VV-ECMO programme. Minimal access cardiac surgery, mitral valve surgery and complex aortic surgery, including a dissection service, provide additional training opportunities. We have a primary PCI service with one of the fastest 'door to procedure' rates in the country and Harefield has one of the largest percutaneous tumour ablation services in Europe. Interventional cardiology services include arrhythmia ablations, PFO closures, TAVIs, MitraClips and complex devices such as ICDs. There is an active pre-assessment, optimisation and perioperative medicine programme for cardiac surgery with plenty of QI project potential.

Trainees can expect an extremely interesting educational attachment with a high level of consultant support, with opportunities to gain experience in advanced cardiac output monitoring, as well as developing skills in transoesophageal echo.

This is a very approachable department, as is consistently borne out by our trainee feedback. We have a rich and diverse teaching programme which is very much consultant led, as well as a new education centre with simulation models and a TOE simulator, including the option of simulating pathology, for more advanced practitioners.

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We have a body of in-trust 'human factor' course instructors, aimed at increasing the non-technical skills required in a multi-disciplinary team complex environment.

Regarding cardiac anaesthesia, the placement would provide training in

- anaesthesia for on- and off-pump CABGs, AVR and combined procedures with decreasing levels of supervision
- anaesthesia for complex valve surgery and aortic surgery
- preoperative assessment and post-operative management in the 7-bed recovery unit or in the Cardiac ICU
- perioperative management of patients with poor ventricular function
- anaesthesia for emergency and elective interventional cardiology, including TAVIs, cardiac electrophysiology and complex devices
- trans-oesophageal echocardiography, with regular training for the EACVI examination and support with building a logbook towards accreditation
- anaesthesia for heart and lung transplantation; with > 80 transplants/year in the hospital there is a great opportunity to gain experience of transplantation as well as post-operative care and mechanical support modalities, including Impellas, VADs and ECMO

Thoracic anaesthesia experience would include

- anaesthesia for VATS, thoracotomies and other thoracic procedures
- perioperative pain management for thoracic surgical patients
- perioperative management of patients with recurrent pneumothoraces
- managing patients for tracheal stents and tumour debulking, including transbronchial procedures

Trainees can engage in the very active teaching programme offered by the Department, including

- Physiology teaching (Mondays)
- TOE teaching (Tuesdays)
- Perioperative teaching (Wednesdays)
- Journal Club (Wednesdays / Fridays)
- ICU Grand Rounds (Thursdays)
- CALS training sessions
- Monthly clinical governance meetings
- Quarterly formal TOE simulation sessions and the option to use the simulator at other times

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Trainees are supported and encouraged to complete quality improvement studies and to work on research projects in the Department.

We offer all the experience required in the 2021 RCoA curriculum, but also the chance to really become familiar with complex cardiac cases, heart and lung transplantation and mechanical support in a highly supportive and enthusiastic environment. We have a very active teaching programme and lots of opportunities to be involved in teaching, clinical projects, and quality improvement.

Cardiac and Thoracic Anaesthesia

Barts Heart Centre

Module Lead: Dr Liz Ogilvie elizabeth.ogilvie2@nhs.net

Duration: 6 months to 1 year

The Barts Heart Centre (BHC) was formed in 2015 by the merging of the cardiothoracic services from the London Chest Hospital, St Bartholomew's Hospital, and the Heart Hospital @ UCLH, to create the UK's largest cardiothoracic centre

With state-of-the-art facilities, Barts Heart Centre has 10 operating theatres, 10 catheter labs and over 300 cardiac, vascular, and thoracic beds. We perform complex cardiac, aortic, thoracic and cardiological procedures and have a well-established flourishing primary PCI service. The hospital contains 72 critical care beds, over half of which form a cardiothoracic surgical critical care unit, adjacent to theatres. There is in addition a dedicated General ICU, admitting complex surgical patients, cardiology and respiratory patients, oncology, and haematology patients, and providing an ECMO service.

This SIA is most suited to the trainee aspiring to a career in cardiothoracic anaesthesia but could also be utilised for those who wish to gain further experience in the management of patients with complex cardiac and respiratory disease. Trainees would be able to complete SIAs in both Cardiac and Thoracic Anaesthesia within a year and would also have extensive training in Transoesophageal Echocardiography.

Clinical Aims

A one-year SIA would provide training in perioperative care for all the following:

- Uncomplicated cardiac procedures eg CABG, AVR, enabling you to perform independently

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- Complex valvular surgical cases
- Off pump cardiac procedures
- Minimally invasive cardiac surgery
- Complex thoracic and descending aortic surgery
- Adult congenital heart surgery
- Surgery for hypertrophic cardiomyopathy
- Interventional cardiological procedures e.g. TAVIs, MitraClip, complex coronary intervention
- Heart Attack Centre and Direct Arrhythmia Pathway emergencies, including the management of severe stages of cardiogenic shock
- Major thoracic surgery, including thoroscopic video assisted and robot assisted procedures, decortication, and lung volume reduction surgery
- Airway interventional procedures, both diagnostic and therapeutic.

In addition, a trainee would be involved in all aspects of the post operative care of patients, managing their stay on Critical Care and any arising complications. This would include exposure to mechanical circulatory support in the form of VA ECMO.

All our theatre consultants provide a peri-operative TOE service and there are excellent training opportunities in this modality as well as support to achieve accreditation.

Non-Clinical Aims

We are an extremely active and ambitious department, providing an abundance of opportunities to get involved in education, management, quality improvement, service development and research. A wide range of research activities are undertaken by the Perioperative Medicine Department in collaboration with Queen Mary's University of London and there is potential exposure to this ever-expanding programme during your SIA.

As a minimum, we would expect the following

- Involvement in our teaching schedule, including TOE teaching and Journal Club

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- Attendance at Cardiac Anaesthesia Partnership (CAP) which takes place monthly
- Attendance at audit and governance days, held 10 times per year
- Involvement in one quality improvement or service delivery project

We will actively encourage any interest in non-clinical activity and ensure there is adequate SPA time for trainees to achieve their goals.

ROYAL BROMPTON HOSPITAL

Special Interest Areas for Stage 3: Cardiac Anaesthesia & Thoracic Anaesthesia

RBH NHS Trust make up the largest specialist heart and lung centre in the UK and among the largest in Europe.

Royal Brompton Hospital was founded in 1840 and joined the NHS in 1948.

National Institute for Health Research (NIHR) set up a research unit within the hospital in 2010 and the hospital has always undertaken pioneering and world-class research into heart and lung disease.

Clinical teams at Royal Brompton Hospital care for patients with a wide range of complex cardiac conditions, including congenital (present at birth), inherited and acquired. Our hospitals are world leaders in the diagnosis, management and treatment of lung disease. Our children's services provide care from before a child is born, throughout childhood and into adolescence, before managing a smooth transition to our adult teams.

Contact

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What would your clinical exposure consist of?

Six cardiothoracic operating theatres, one of which is a specialist hybrid theatre for combined cardiac/vascular procedures, performing about 1500 cardiac and 2000 thoracic cases per year. Adult, paediatric, neonatal surgery and the largest adult congenital heart disease programme in the UK.

Five cardiac catheter laboratories use cutting-edge technology to carry out a very broad range of procedures including electrophysiological studies and procedures, trans-catheter replacement of aortic and mitral valve, ASD and PFO closures and other procedures on both adults and children with ACHD and pulmonary hypertension.

Mitral Programme: A group of specialist surgeons and cardiologists provide care for patients with mitral valve disease which includes minimally invasive repairs, tendynes, clips, neocords and replacements and tricuspid valve surgery.

Aortic programme : Brompton has a specialist and dedicated aortic and vascular surgery team which care for patients undergoing surgery to the aortic root, arch and descending aorta, including minimally invasive aortic surgery and emergency aortic surgery.

Congenital Heart Disease and Paediatric Cardiac Surgery:

Thoracic surgery: We have a team of 4 thoracic surgeons operating on adults and children.: We carry out Video Assisted and open thoracotomies for lung resection, lobectomies and pneumonectomy as well as lung volume reduction surgery, and complex procedures which include major thoracic resections, often combined with a visiting plastic surgeon. We have a significant number of large airway interventions including laser treatment and stent insertion.

Every theatre and catheter lab is equipped with a TOE machine and there is an active TOE training programme throughout the hospital. We have a TOE simulator, and we do regular teaching sessions with this.

Post procedure, the patient will go to the 8-bed overnight recovery unit, or one of 3 intensive care units (2 adult, one paediatric/neonatal). You will have exposure to PA catheters, cardiac output monitoring, intra-aortic balloon pumps, and many patients receiving both venous and arterial ECMO. Brompton is one of six commissioned ECMO units in the UK, both for adults and paediatrics.

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Your on-call commitment will be to anaesthesia only, as intensive care units are separately staffed. You will however be offered the opportunity to exposure in these areas should you so wish.

Clinical Aims:

During this stage the trainee will obtain the skills to demonstrate:

- Independent practice for basic adult elective cardiac surgical procedures such as simple CABG and AVR.
- Understanding of management of more complex valve and aortic surgery, with direct supervision.
- Can assess and provide perioperative care for cardiac procedures which don't require cardiopulmonary bypass.
- Can manage patients with biventricular failure perioperatively.
- Can provide anaesthesia for interventional cardiology patients.
- Can provide anaesthesia for emergency post cardiac surgical complications.
- Can provide intensive and high dependency care for the cardiac surgical patient, including the management of mechanical circulatory support.
- Understanding of TAVI (transcatheter aortic valve implantation) and mitralclip procedures.
- Ability to perioperatively manage high risk patients with complex cardiac and respiratory disease and adult congenital heart disease
- Procedural technical skills, invasive monitoring, and perioperative TOE.

Ability to treat intraoperative haemodynamic instability and compromise.

- Ability to manage significant blood loss and intraoperative coagulation derangements guided by bedside functional analysis. (TEG, platelet mapping)
- Develop expertise in peri-operative medicine.

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- Obtain exposure to the care of patients undergoing DHCA, left heart bypass, thoracoabdominal procedures.
- Proficiency in lung isolation techniques using bronchoscopic guidance (DLT and bronchial blockers)
- Perioperative care of a wide range of thoracic and large airway surgical procedures, which includes multimodal pain management.

Academic, Teaching and Management Aims:

Brompton has an active research and audit programme (supported by research staff) which you are encouraged to be involved in.

- You should aim to complete a scientific or quality improvement project aiming to present at a scientific meeting.
- Achieve authorship in scientific journals and/or textbooks.
- Attend weekly TOE meeting
- Attend a weekly morning of academic activities for anaesthesia trainees including journal club, lectures and external tutorials from surgeons, cardiologists etc.
- TOE simulator
- In house CALS (Cardiac Surgical Advanced Life Support) course and other simulator courses run by the hospital (SPRINT simulated interprofessional team training).
- Various MDT meetings: ICU, mitral valve, TAVI, aortic, thoracic, paediatric, ECMO .
- Governance programme including M&M monthly for 1 day each month.
- Grand rounds, varying specialities, monthly

Leadership training: Brompton regularly run a weeklong leadership training course which you would be encouraged to attend.

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Summary

Brompton will provide the resources and environment for a broad education and training. You will be supported and encouraged to take on responsibilities tailored to your individual abilities and needs. We think that you will find the specialised training for cardiothoracic anaesthesia challenging, fascinating and enjoyable.

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Anaesthesia for Thoracic and Major General Surgery University College London Hospital

Lead Supervisor: Dr Emilie Martinoni Hoogenboom (e.hoogenboom@nhs.net)

University College London Hospital is a tertiary referral centre for cancer surgery including thoracic surgery based at Westmoreland Street Hospital.

Our service performs over 1000 thoracic resection surgery per year and provides tertiary services for patients undergoing complex open, video-assisted and robotic lung surgery, including chest wall, mediastinal and pleural surgery as well as diagnostic bronchoscopy.

A widely recognised dynamic team performs extremely challenging surgery with associated high skills anaesthetic techniques.

Clinical experience

This 6-month SIA offers the opportunity to develop a good understanding of the perioperative journey of patients undergoing major-complex surgery, with the opportunity to take part to pre-assessment clinics and post-operative visits and the existence of enhanced-recovery program. Subject to trainee interest and availability, there may be the possibility, in addition to time spent in thoracic, to attend lists in the upper GI service, where similar skills techniques are applied, and may be offered the opportunity to take part in sessions of interventional bronchoscopy, to complement the experience. We will aim to support the post-holder to address any specific learning needs that they identify.

This placement offers the opportunity to develop a number of specific and transferrable clinical and non-clinical skills in advanced techniques for major-complex surgery including:

- ☐ Preoperative assessment and optimisation of high risk patients
- ☐ Anaesthesia for major complex procedures
- ☐ Experience of shared airway procedures and multidisciplinary communication

This SIA can also be offered as part of a year-long post in combination with SIA placements in Anaesthesia for Major General Surgery and Perioperative Medicine, and Anaesthesia for Bariatric Surgery.

Clinical Skills

- ☐ Preoperative assessment of patients undergoing thoracic surgery in a multidisciplinary setting
- ☐ Lung isolation techniques : double-lumen tubes and bronchial blockers
- ☐ Non-Intubated Thoracic Anaesthesia
- ☐ Flexible and rigid bronchoscopy
- ☐ Jet ventilation
- ☐ High-flow nasal oxygenation
- ☐ Videolaryngoscopy

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- Ultrasound-guided regional anaesthesia techniques, including paravertebral blocks, other trunk blocks and thoracic epidurals
- Invasive cardiovascular monitoring
- Management of major haemorrhage
- Total Intra Venous Anaesthesia

Non-Clinical Opportunities

Research/QI/Audit

UCLH is a world-renowned academic clinical institution. Trainees will be encouraged to participate in projects under the supervision of a consultant anaesthetist. They will be encouraged to initiate at least one research/quality improvement/audit project(s) and participate in departmental academic activities. Current projects include the running and evaluation of an enhanced recovery pathway in thoracic and upper GI surgery, the Perioperative Quality Program (PQIP), and robotic thoracic surgery.

Trainees are encouraged and supported to complete their projects. Previous post-holders have attended and presented their work at regional, national and international meetings.

Education and Teaching

Teaching is a core component of the placement and trainees will have the opportunity to provide teaching to undergraduates, postgraduates and allied health professionals.

The department has a well-established weekly teaching programme from which the fellows can benefit from, learning the topical issues and relevant literature. They will be encouraged to present at these meetings.

Our department also runs a well-established and active multidisciplinary course for thoracic anaesthesia and lung isolation with lectures, workshops and simulation, in which the post-holder will be expected to lead as a key person on the faculty.

Our monthly meeting on airway management (Airway Hub) covers thoracic anaesthesia topics, and trainees will be encouraged to participate as faculty and organisers.

Paediatric Anaesthesia

Great Ormond Street Hospital for Children – 6-month SIA

College Tutors & Unit Supervisors: Nadine Dobby & Elena Fernandez

Email: nadine.dobby@gosh.nhs.uk / elena.fernandez@gosh.nhs.uk

Background

- Great Ormond Street Hospital for Children NHS Trust (GOSH) is a national centre of excellence in the provision of specialist children's health care, currently delivering the widest range of specialist care of any children's hospital in the UK. It is the only specialist Biomedical Research Centre for paediatrics, the largest centre in the UK for children with heart or brain problems, and the largest centre in Europe for children with cancer. It works in partnership with the UCL Institute of Child Health (ICH), part of University College London, and together they form the largest paediatric research and teaching centre in the UK. The hospital at Great Ormond Street is the only exclusively specialist children's hospital in the UK and it covers all specialties except Burns and Liver Transplantation. There are many opportunities for research and academic teaching. The hospital receives over 275,000 patient visits (inpatient admissions or outpatient appointments) a year and carries out approximately 19,000 operations each year. The hospital has 389 patient beds, including 48 intensive care beds.
- The anaesthetic department has between 30-35 trainees at any one time, the majority of whom are appointed for one year. Approximately half of the trainees are on 6/12 months' rotational appointments from the Schools of Anaesthesia within London and the East of England. The other half are national and international Trust Fellows on 12-month posts.
- The on-call rota is 1:12 and has two tiers of trainees which ensures good support and increases the opportunity for daytime working on elective lists with consultant supervision.
- The Association of Paediatric Anaesthetists of Great Britain and Ireland website has many useful

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- resources on training in paediatric anaesthesia (<http://www.apagbi.org.uk>).

Clinical Aims:

- GOSH is a quaternary referral hospital, dealing with complex children with multiple comorbidities. Paediatric anaesthesia is a consultant led service and trainees should expect a high level of direct supervision especially in their first few months. Towards the end of the 6-month placement and with appropriate consultant support, trainees will be allowed to assume the role of lead clinician for some elective and emergency cases/lists.
- At GOSH we offer our 6-month SIA trainees modular training in the paediatric anaesthesia sub-specialties relevant to the district general hospital anaesthetist with a regular commitment to children's anaesthesia. This will ensure a broad training in paediatric anaesthesia including neonates, difficult airway, general surgery, urology, plastics, renal, ENT, haem-onc, imaging and emergencies. In addition to the standard specialty blocks we aim to individually tailor training to the special interest areas of each trainee towards the end of the six months.
- Provided Stage 1 and 2 aims have been met prior to joining us, trainees on a 6-month SIA post at GOSH will be able to achieve the learning outcomes and key capabilities to practice paediatric anaesthesia in a non-tertiary setting. Our high standard of training in paediatric anaesthesia will equip them with the knowledge, skills, confidence, and framework to anaesthetise children in both elective and emergency situations.
- Following completion of the 6-month SIA the trainee would be expected to be able to:
 - Provide safe perioperative anaesthetic care for a wide variety of surgical/medical/radiological paediatric procedures performed in the DGH environment independently.
 - Provide safe anaesthesia in both the emergency and elective setting using techniques to reduce anxiety in all ages.
 - Deliver safe perioperative care to all paediatric patients requiring surgery in a district

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- general setting, including those with complex co-existing disease.
- Gain arterial, intraosseous, peripheral, and central vascular access in children and babies.
- Use a wide range of analgesic strategies peri-operatively including simple regional techniques for surgeries routinely performed in a district general hospital setting.
- Manage massive transfusion in children.

Academic and Management Aims:

- Trainees are expected to take part in at least one audit/QI project during their time at GOSH and present at least one anaesthetic academic breakfast meeting.
- Consultants in the department will encourage and support trainees with research/QI/audit projects. Funding may be available for some projects.
- Annual Research Prize Evening for Anaesthesia Trainees:
 - The aim of the prize is to recognise, encourage and reward excellence in non-clinical work performed at Great Ormond Street Hospital by trainees.
 - Eligible projects are: Original Research, Reviews, Audit, Surveys, Case Reports or Series, and Letters.
- Attendance at study days, courses and appropriate regional, national and international meetings related to paediatric anaesthesia (including those of the Association of Paediatric Anaesthetists) is encouraged.

Teaching:

- Protected anaesthesia teaching includes:
 - Weekly one-hour breakfast meeting. The programme includes presentations by trainees, morbidity meetings, department audit, journal club and presentations by guest lecturers.
 - Twice monthly two-hour programme of tutorials for anaesthesia trainees.

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- Weekly 30 minutes 'Cardiac Building Blocks' teaching lead by Dr Lucy Hepburn (paediatric cardiac anaesthetist) and 1 month a year 'Paediatric anaesthesia Building Blocks' led by senior Trust Fellows.
- Protected teaching time and a programme of tutorials for those trainees rotating to intensive care.
- There is a departmental WhatsApp Journal Club that everyone is welcome to contribute to. Trainees are asked to present and appraise a paper.
- There is a small departmental library and a larger library in the Institute of Child Health.
- There are many other teaching sessions available to employees in the Trust coordinated by the Postgraduate Medical Education department. Information is widely available in the Trust intranet. Look out for Grand Rounds, Building Blocks sessions, ICU, Respiratory and Cardiac teaching sessions, trust based and London Deanery Education courses.
- The GOSH Clinical Simulation Centre offers a wide range of multidisciplinary courses for all healthcare professionals both clinical and non-clinical including the Managing Emergencies in Paediatric Anaesthesia (MEPA) course. Dr Linda Chigaru (CATS and Anaesthetic Consultant) is the Education Lead for Clinical Simulation and Dr Pratheeban Nambyiah (Consultant Anaesthetist) is the Educational Lead for Simulation Development.
- Trainees are encouraged to use their study leave to attend relevant educational courses and meetings

Chelsea & Westminster Hospital: Paediatrics (Special Interest module)

posts: 6-12 months

Supervisors: Drs Seth Galton & Ami Kotecha

This placement will enable the post holder to develop their skills in managing not only neonatal and paediatric patients in the peri-operative period but also in the management of the critically unwell child. We are a tertiary referral centre for paediatric surgery in Northwest London and also have a busy neonatal intensive care unit, special care baby unit, paediatric HDU (medical and burns) and a children's emergency department. We provide care for children having surgery for ENT, plastics, surgical, dental, orthopaedic, urological, gastro and radiological procedures in our paediatric theatre complex. We also see children in our Burn's unit and manage the acute phase of their burn injury as well as the longer reconstructive period. The post holder will receive training to allow them to achieve the key capabilities as set out by the Royal College of Anaesthetists. You will work within paediatric theatres during your training lists and also have a short attachment to a paediatric critical care area (can be agreed based on area of interest). We also have a paediatric pre-assessment service that you will be able to gain experience in. You will be on a 1:8 resident on call rota, providing emergency care to patients who need anaesthetic support out of hours. This will include providing care to adults as well as children). You will also have the opportunity to complete a quality improvement project with guidance from your supervisor to support development of the non-clinical domains of your portfolio.

RLH PAEDS SIA

6 months, Paediatric Anaesthesia

Background:

The Royal London hospital is one of the largest and busiest in London, serving a diverse local community and providing specialist services for the wider region. Paediatrics has a dedicated theatre unit with 4 operating theatres, recovery and associated wards., and a paediatric dental suite. We also deliver anaesthesia in the MRI and CT, interventional radiology and endoscopy and are developing a paediatric pre-operative assessment service.

We have a 37 bedded neonatal unit and provide a regional neonatal surgical service for NE London and parts of Essex and Hertfordshire.

The Trust is a major trauma centre; in the last five years, we have attended 350 paediatric trauma calls per year. We have tertiary paediatric respiratory, gastroenterology, neurology, neonatal (including the regional neonatal transport unit) and tertiary paediatric general surgery, ENT, plastics, orthopaedics and eye surgery.

We provide various forms of structured training to the trainees from the School of Anaesthesia during their paediatric block- a weekly evidence-based journal club, a weekly governance meeting and weekly case-based teaching. There is opportunity to be involved in paediatric simulation and delivery of courses for the FRCA. There are opportunities for research and audit We host an International Paediatric Anaesthesia Education Day every November.

Rota:

The module will consist of clinical experience as detailed below, paediatric anaesthetic on-call, and one non-clinical day a week reserved for projects and educational activities.

Training objectives:

- Achieve competence in recognizing, managing and transferring a sick child
- Comfortably provide peri-operative care to children of all ages, including neonates and those with significant co-morbidity for a range of surgeries. This should include MLBs, hernia repair in an infant, pyloromyotomy and orthopaedic surgery for children with cerebral palsy, plus a broad range of other cases
- Gain the skills required for management of the paediatric difficult airway including the use of video and fibre-optic laryngoscopy
- Understand and provide acute pain management for a range of surgeries, including some regional techniques
- Compassionately facilitate treatment for children who are unable to co-operate with care owing to anxiety or learning disability, including an understanding of non-pharmacological techniques
- Run a paediatric list independently
- To complete a QI project during the 6-month placement
- Demonstrate competence at teaching through simulation, tutorial modalities and clinical supervision

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Clinical Experience:

- Supervised lists in theatre, progressing to independent practice where appropriate
- Emergency care for children including emergency surgery, trauma calls and paediatric arrests, and management of the sick child in the ED
- Paediatric pain rounds
- Paediatric pre-assessment clinic and pre-operative MDTs
- PCCU sessions can be incorporated if desired

Governance, QI and teaching:

- Weekly journal club meeting
- Weekly governance meeting
- Opportunities to be faculty on Sim courses for paediatric emergencies and trauma, and to deliver local in situ sim training
- Opportunities for formal teaching on courses for FRCA and ODPs
- Opportunities to supervise more junior trainees as competence and confidence develops
- QI projects within the department
- Participation in national studies and audits.

Further Information:

Dr Monica Naik (monica.maik@nhs.net), Dr Corinne Stannard (corinne.stannard@nhs.net), module leads.

Paediatric Anaesthesia

Evelina London Children's Hospital

Unit Supervisor: Dr Tahzeeb Bhagat

Email: Tahzeeb.Bhagat@gstt.nhs.uk

Background:

- Evelina London Children's Hospital (ELCH) is one of the two specialist children's hospitals in London. Although the doors of the new purpose-built building opened in 2005, Evelina London's history dates back to 1869.
- ELCH is part of Guy's and St Thomas' NHS Foundation Trust and provides teaching hospital facilities for London South Bank University and King's College London School of Medicine.
- Evelina also provides specialist services for heart and lung conditions at Royal Brompton Hospital.
- ELCH provides comprehensive health services from before birth, throughout childhood and into adult life with a vision to be a world leading centre of life-changing care for children, young people and their families.
- Based in a stunning purpose-built building at St Thomas' hospital, ELCH includes:
 - 215 inpatient beds, including 30 intensive care beds
 - 46-cot neonatal unit
 - 6 operating theatres and 2 catheter lab, plus 2 cardiac theatres in East Wing, St Thomas'
 - a full children's imaging service with 2 MRI scanners, x-ray and ultrasound
 - Stand-alone Day Case Unit with two operating theatres.
- ELCH provides care for over 104,000 families a year and is the first children's hospital in the UK to be rated as 'Outstanding' by the Care Quality Commission.
- The Paediatric Anaesthetic Group at ELCH has 35 consultants who between them provide approximately 10,000 Anaesthetics every year. Just less than half the patients are under the age of five and 200 are neonates. There is a large cardiac surgery service including cardiac MRI and catheter lab. Other services include cleft, nephro-urology (including renal transplantation), ENT (including specialist airway surgery), orthopaedic/spinal, ophthalmic, dental surgery and neonatal surgery as well as thoracoscopic procedures and laparoscopic surgery.
- Anaesthetic services include a Pre-assessment Clinic and an Acute Pain Service.
- Evelina PICU is the lead centre for paediatric intensive care in the south-east region and home of the South Thames Retrieval Service (STRS), a transport service for all critically ill children south of the river Thames. STRS receives over 1,800 referrals a year, moves around 900 children between hospitals and provides training and simulation courses to partner hospitals. PICU has approximately 1200 admissions per year of which 40% are cardiac.
- ELCH has one of the largest neonatal units in England, caring for 1,000 babies a year and providing 5,000 intensive care days. NICU is co-located with maternity services at St Thomas' and provides specialist care for babies with complex problems (including cardiac, surgical & neurological conditions).
- We are pioneering new techniques using imaging to diagnose congenital heart defects and catheter interventions to treat them. We're the 2nd largest centre for children born with a single ventricle and have the 3rd largest children's cardiac surgical programme in England. Our 'world

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firsts' include the MRI-guided children's heart valve procedure.

- Working with our urology and bladder services, we are the primary transplant and dialysis centre for a population of over 9 million people. Our patients have won the British Transplant Games 'Best Kidney Team' for 8 of the last 11 years.
- We also provide surgery for insertion of deep brain stimulators as part of complex motor /neuro disability service.
- Our busy Emergency Department receives around 24,000 visits from children per year under the age of 17 years.

Clinical Aims:

- We have 6 advanced/SIA training posts of six months duration. Three of these posts include a two-month PICU rotation whilst the others are solely based in Paediatric anaesthesia.
- The PICU rotation includes shifts with STRS- South Thames Retrieval Service.
- *The overall clinical aims are to:*
 - Gain confidence in managing a wide range of complex Paediatric surgical cases, including managing sick premature neonates for surgery, as well as children and neonates with complex co-existing diseases for surgery.
 - Be able to communicate effectively and compassionately with children and young people, parents/carers and with the paediatric medical teams.
 - Be able to utilise time allocated to paediatric sessions effectively without compromising safety.
 - Be able to lead the paediatric multidisciplinary team and work effectively as a team member.
 - Become familiar with issues of child protection and consent.
 - Be able to do appropriate lists independently (with distant supervision) by the end of the training.

Academic and management aims:

- You are expected to take part in an audit/quality improvement project during the six months and will be e-mailed within the first few weeks of starting regarding available projects.
- You are expected to present the project at one of the anaesthetic and/or Evelina hospital forums.

Teaching:

- *Educational Meetings* – These are held weekly.
- *Perioperative M&M Meetings* – These are held quarterly from 8-9 am.
- *GSTT educational website* – This is updated regularly with information about all anaesthetic educational activities in the trust (<http://www.gsttanaesthesiaedu.com>).
- *Simulation*- regular paediatric Skills and Simulation which is a full day multidisciplinary course.

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Paediatric Anaesthesia

Great Ormond Street Hospital for Children – 12-month SIA

College Tutors & Unit Supervisors: Nadine Dobby & Elena Fernandez

Email: nadine.dobby@gosh.nhs.uk / elena.fernandez@gosh.nhs.uk

Background:

- Great Ormond Street Hospital for Children NHS Trust (GOSH) is a national centre of excellence in the provision of specialist children's health care, currently delivering the widest range of specialist care of any children's hospital in the UK. It is the only specialist Biomedical Research Centre for paediatrics, the largest centre in the UK for children with heart or brain problems, and the largest centre in Europe for children with cancer. It works in partnership with the UCL Institute of Child Health (ICH), part of University College London, and together they form the largest paediatric research and teaching centre in the UK. The hospital at Great Ormond Street is the only exclusively specialist children's hospital in the UK and it covers all specialties except Burns and Liver Transplantation. There are many opportunities for research and academic teaching. The hospital receives over 275,000 patient visits (inpatient admissions or outpatient appointments) a year and carries out approximately 19,000 operations each year. The hospital has 389 patient beds, including 48 intensive care beds.
- The anaesthetic department has between 30-35 trainees at any one time, the majority of whom are appointed for one year. Approximately half of the trainees are on 6/12 months' rotational appointments from the Schools of Anaesthesia within London and the East of England. The other half are national and international Trust Fellows on 12-month posts.
- The on-call rota is 1:12 and has two tiers of trainees which ensures good support and increases the opportunity for daytime working on elective lists with consultant supervision.
- The Association of Paediatric Anaesthetists of Great Britain and Ireland website has many useful resources on training in paediatric anaesthesia (<http://www.apagbi.org.uk>).

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Clinical Aims:

- GOSH is a tertiary referral hospital, dealing with complex children with multiple comorbidities. Paediatric anaesthesia is a consultant led service and trainees should expect a high level of direct supervision especially in the first few months of their time at GOSH. With time and with appropriate backup by consultants, trainees will be allowed to assume the role of lead clinician for simple elective lists and emergency work by the end of the 6-months and more complex lists by completion of the 12-month post.
- At GOSH we offer our 12-month SIA trainees modular training in the paediatric anaesthesia subspecialties relevant to the paediatric anaesthetist practising in a tertiary centre. Modular training ensures dedicated training time on elective lists in all paediatric subspecialties including cardiac, spines, neurosurgery and craniofacial. In addition to the standard specialty blocks we aim to individually tailor training to the special interest areas of each trainee towards the end of the six months.
- Provided Stage 1 and 2 aims have been met prior to joining us, trainees on a 12-month SIA post at GOSH will be able to achieve the learning outcomes and key capabilities to practice paediatric anaesthesia in a tertiary setting. Our high standard of training in paediatric anaesthesia will equip them with the knowledge, skills, confidence, and framework to anaesthetise children in both elective and emergency situations.
- Following completion of the 12-month SIA the trainee would be expected to be able to:
 - Provide safe perioperative anaesthetic care for a wide variety of paediatric procedures performed in the DGH environment independently.
 - Provide safe anaesthesia in both the emergency and elective setting utilising techniques to reduce anxiety in all ages.
 - Deliver safe perioperative care to all paediatric patients requiring surgery in a district general setting, including those with complex co-existing disease.
 - Gain arterial, intraosseous, peripheral, and central vascular access in children and babies.
 - Uses a wide range of analgesic strategies peri-operatively including simple regional techniques for surgeries routinely performed in a district general hospital setting.

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- Manages massive transfusion in children.
- Provide safe perioperative anaesthetic care for a wide variety of complex paediatric (including neonates) surgery and other procedures independently.
- Be capable of leading the delivery of care in this area of anaesthetic practice, to the benefit of both patients and the organisation.
- Deliver safe perioperative care to all paediatric patients requiring surgery in tertiary paediatric setting including those with complex co-existing disease.
- Use a wide range of analgesic strategies peri-operatively for complex paediatric patients requiring major surgery.

Academic and Management Aims:

- Trainees are expected to take part in at least one audit/QI project during their time at GOSH and present at least one anaesthetic academic breakfast meeting.
- Consultants in the department will encourage and support trainees with research/QI/audit projects. Funding may be available for some projects.
- Annual Research Prize Evening for Anaesthesia Trainees:
 - The aim of the prize is to recognise, encourage and reward excellence in non-clinical work performed at Great Ormond Street Hospital by trainees.
 - Eligible projects are: Original Research, Reviews, Audit, Surveys, Case Reports or Series, and Letters.
- Attendance at study days, courses and appropriate regional, national and international meetings
- related to paediatric anaesthesia (including those of the Association of Paediatric Anaesthetists) is encouraged.

Teaching:

- Protected anaesthesia teaching includes:
 - Weekly one-hour breakfast meeting. The programme includes presentations by trainees, morbidity meetings, department audit, journal club and presentations by guest lecturers.
 - Twice monthly two-hour programme of tutorials for anaesthesia trainees.
 - Weekly 30 minutes 'Cardiac Building Blocks' teaching lead by Dr Lucy Hepburn (paediatric

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cardiac anaesthetist) and 1 month a year 'Paediatric anaesthesia Building Blocks' led by senior Trust Fellows.

- Protected teaching time and a programme of tutorials for those trainees rotating to intensive care.
- There is a departmental WhatsApp Journal Club that everyone is welcome to contribute to. Trainees are asked to present and appraise a paper.
- There is a small departmental library and a larger library in the Institute of Child Health.
- There are many other teaching sessions available to employees in the Trust coordinated by the Postgraduate Medical Education department. Information is widely available in the Trust intranet. Look out for Grand Rounds, Building Blocks sessions, ICU, Respiratory and Cardiac teaching sessions, trust based and London Deanery Education courses.
- The GOSH Clinical Simulation Centre offers a wide range of multidisciplinary courses for all healthcare professionals both clinical and non-clinical including the Managing Emergencies in Paediatric Anaesthesia (MEPA) course. Dr Linda Chigaru (CATS and Anaesthetic Consultant) is the Education Lead for Clinical Simulation and Dr Pratheeban Nambyiah (Consultant Anaesthetist) is the Educational Lead for Simulation Development.
- Trainees are encouraged to use their study leave to attend relevant educational courses and meetings.

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Obstetric Anaesthesia SIA at Homerton University Hospital

Homerton Hospital is set in Hackney, one of the most diverse and cosmopolitan boroughs in the UK. Our delivery unit serves over 5500 women annually. Due to a mixture of local demographics and our large, tertiary level NICU, which is the regional referral centre for in-utero transfers from 23+ weeks, we see women with complex medical conditions and pregnancies, including varying presentations of severe pre-eclampsia, pre-term labour, sepsis and severe obesity. Our friendly anaesthetic department sits neatly between Delivery Suite and Main Theatres. We have close links with our intensivists and a 2-bedded Enhanced Maternal Care area on Delivery Suite. There are at least 2 anaesthetists covering Labour Ward 24/7, with consultant cover on top. We have very good teamworking relationships with our obstetric and midwifery colleagues.

The overarching aim of this SIA is to build the confidence, experience and leadership skills which will enable you to take up a consultant post with an interest in Obstetric Anaesthesia. There is a rich variety of experience and mentoring to be accessed, depending on your needs and interests.

- **Supervisor:** Dr Tabitha Tanqueray

Clinical Aims/ Experience

- Leadership of the Labour Ward team, managing workload, supervising junior trainees, making multidisciplinary plans in conjunction with the obstetric, midwifery and theatre teams. Attending MDT teaching rounds/ handovers.
- Management of women on our Enhanced Maternal Care Unit (EMCU), who are at risk of deterioration. Helping the multidisciplinary team liaise with Critical Care when necessary.
- Exposure to a wide range of elective and emergency situations, including a spectrum of severe pre-eclampsia, planning for complex elective cases and safely managing women with high BMI.
- Development of expertise in neuraxial ultrasound, including for women with severe obesity. Training juniors in this technique.
- Attendance at the High-Risk Anaesthetic Antenatal Clinic with the opportunity to see your own patients. Opportunity to attend the joint Obstetric Medicine clinics (our Obstetric
- Medicine specialist runs these rotating weekly with a cardiologist, haematologist, rheumatologist, gastroenterologist, endocrinologist, neurologist) and the metabolic clinic (for women with high BMI).

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- Manage your own Elective Caesarean lists, devising your own management plans for complex cases. As per Labour Ward sessions, there is always a named consultant for back-up and to discuss plans with. Even as consultants, we are encouraged to seek advice for difficult cases.

Academic/ Management Aims

- Expected to have up to date GCP training and encouraged to take part in ongoing clinical research. Recent trials have included RESPITE, DREAMY, ACROBAT and EPIFEVER-2.
- Supported to prepare abstracts, papers, letters and scientific posters and to present these nationally and internationally.
- Encouraged to attend Obstetric Anaesthesia scientific meetings, including OAA events and GOAL academic meetings (the Group of Obstetric Anaesthetists in London).
- Supported to lead/ take an active role in Quality Improvement projects and writing local guidelines.
- Encouraged to develop skills in Patient Safety, including investigating/ responding to a complaint and investigating a clinical incident/ preparing a Root Cause Analysis. With consultant support.
- Attend management meetings including Labour Ward Forum, the Obstetric Theatres User Group Meeting and Serious Incident Review meetings.

Teaching Aims

- Encouraged to develop skills in simulation training: expected to be a faculty member for PROMPT/ OATS/ AIMS. Encouraged to attend a MOET course and to take part in running regular multidisciplinary in-situ simulation of labour ward emergencies.
- Opportunities to coordinate teaching programs for those with an interest in Education (eg anaesthetic topics for obstetric trainees, midwifery skills for Enhanced Maternal Care).
- Protected teaching every Friday morning. Bimonthly joint Obstetric/ Anaesthesia/ Midwifery teaching. CTG training available, and shadowing of an obstetrician encouraged.

SIA Obstetrics

Queen Charlottes & Chelsea Hospital — 6 months

Module Lead: Jeremy Campbell jeremy.campbell@nhs.net

Queen Charlotte's & Chelsea Hospital is a tertiary referral maternity unit with a nationally renowned centre for foetal care and has the largest neonatal intensive care unit in the country. The labour ward has two fully equipped operating theatres adjacent to high-dependency care facilities. It includes a delivery suite, a birthing centre, ante- and postnatal and gynaecology wards. Anaesthetic trainees have the opportunity to be involved in a wide variety of complex elective and emergency obstetric cases, as well as to attend high risk obstetric anaesthetic and obstetric medicine clinics and ward rounds.

The hospital has a specialist maternal medicine unit, recognising that a need existed for specialist care to be offered to pregnant women who suffered from pre-existing medical conditions, or conditions that developed during pregnancy, whose treatment might impact upon the pregnancy. The unit is known as the de Swiet Obstetric Medicine Centre, and is currently housed in a small suite of rooms on the second floor of the hospital

Queen Charlotte's & Chelsea Hospital is also home to the West London Gynaecological Cancer Centre and during their placement, trainees can gain experience in anaesthesia for major gynaecology surgery including multivisceral resection procedures for advanced ovarian cancer.

Number of deliveries: Around 6000 per annum

Surgical specialties: Obstetrics, gynaecology

There are numerous teaching opportunities at QCCH. These include:

High risk obstetric anaesthetic clinic: weekly

Anaesthetic journal club/case report meeting: weekly

Obstetric medical meeting: every Tuesday morning

Obstetric medicine ward rounds: daily

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Obstetric medicine clinics: these happen daily and include cardiac, haematology, renal, liver and endocrine clinics

CTG teaching meeting: every Friday

Management meetings: these include clinical risk management, quality and safety and guidelines meetings

A Postgraduate Forum involving the whole of the Women and Children's Directorate occurs monthly.

Trainees undertaking advanced obstetrics training also have the opportunity to shadow obstetricians, attend neonatal ward rounds and observe obstetric ultrasound and Doppler scanning of foetal well-being.

Trainees are also encouraged to gain some administrative and management experience through attendance at clinical risk management meetings, rota organisation and teaching junior anaesthetic trainees and labour ward staff.

There is an active audit and quality improvement programme at QCCH and all trainees are encouraged to complete a QI or audit project whilst at QCCH, and to present it at the Trust's clinical governance meeting.

Trainees are encouraged to attend national meetings/courses relevant to obstetric anaesthesia. These include the OAA Annual Meeting, the OAA Three Day Course in Obstetric Anaesthesia, and launch meetings for the UK Confidential Enquiries into Maternal Death and Morbidity (MBRRACE-UK).

Every effort is made to grant and fund study leave and priority is given to courses and meetings relevant to obstetric anaesthesia.

Obstetric Anaesthesia SIA

Royal London Hospital

Module Lead:

Dr Sarah Wray (Royal London Hospital)

sarah.wray6@nhs.net

The aim of this SIA is to prepare those with a special interest in Obstetric Anaesthesia to be capable of taking up a consultant post with Obstetric Anaesthetic sessions.

Post duration: 6-months.

Background

- The Royal London Hospital (RLH), part of Barts Health NHS Trust, is a large, multi-specialty, NHS teaching hospital in Northeast London. There are approximately 5000 deliveries a year at the Royal London Hospital, with a rising birth rate. Outcome measures are among the very best in London, with a low Caesarean section rate of under 30%, even with the high number of complex and high-risk deliveries. The main delivery suite incorporates 31 high and low risk rooms and 2 dedicated Obstetric operating theatres. A 4-bedded Obstetric HDU/recovery area is staffed with specially trained midwives plus nurses with a critical care background. We have strong ties with other critical care facilities in the Trust, and as such look after women who previously would have had to be looked after in the Critical Care Unit.
- The RLH Obstetric Anaesthetic department consists of 12 consultants, a full-time trainee in advanced Obstetric Anaesthesia, and we provide training in all levels of Obstetric Anaesthesia competency. There are currently 3 full-day elective Caesarean lists per week. Consultant Obstetric Anaesthetists provide resident cover to the Delivery Suite 8am-8pm on weekdays and 8am-6pm at

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- weekends, outside of these hours there is a resident Obstetric Anaesthetic registrar, supported by the general Anaesthetic consultant on-call.
- The RLH Obstetric unit has been designated the Maternal Medicine Centre for a network extending through NE Thames to Essex, as the tertiary referral centre for high risk and complex pregnancies. We currently have the highest rate of deliveries for morbidly adherent placentas in the UK and are in the process of applying to NHS England to become a commissioned Abnormally Invasive Placenta centre. As a Maternal Medicine Centre, we manage mothers with a wide range of medical co-morbidities. The Royal London is a national centre for renal disease in pregnancy, and sub-specialty high risk antenatal clinics are held for women with Cardiac, Haematological, Rheumatology and Neurological problems. Separate to these clinics, a weekly dedicated high risk antenatal Anaesthetic clinic is held. In 2020, a consultant Obstetric Physician was appointed to support the expanding maternal medicine workload. 2021 will see the launch of a new Intra-Uterine Transfusion service.

Clinical Aims

- Gain competency in the provision of safe and effective anaesthetic care to patients undergoing complex obstetric deliveries/procedures, including:
 - Anaesthetic management of delivery for parturients with cardiac disease
 - Anaesthetic management of delivery for parturients with placenta accreta/percreta
 - Anaesthetic management of delivery for bariatric parturients
 - Parturients requiring HDU care, including support of the MDT in delivery of safe HDU care
- Gain experience in the management of a busy labour ward and elective and emergency obstetric theatre sessions, and in doing so demonstrating the necessary multi-disciplinary leadership, communication and team-working skills necessary to ensure the care delivered is safe and timely, benefiting both the patient and the organization
- Develop independent practice for complex obstetric cases and for obstetric list management
- Anaesthetic assessment and pre-operative MDT planning for complex deliveries
- Attendance at the high-risk obstetric anaesthetic clinic, cardiac obstetric MDT clinic and obstetric medicine clinics

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- Competence in the use of neuraxial ultrasound to facilitate regional anaesthesia
- Competence with other regional techniques (TAP and quadratus lumborum blocks)
- Maternal resuscitation
- Neonatal resuscitation and basic CTG/fetal blood gas analysis ^[1]_{SEP}
- Communicate effectively with all members of the maternity team, and with women and their partners:
 - Effectively explain anaesthesia choices to high-risk patients and address risks/benefits of the choices
 - Communicate effectively with the midwives and obstetricians particularly in high risk and emergency situations
 - Maintain effective written documentation as required
- Anaesthetic management of pregnant women with fetal abnormalities and fetal loss
- Anaesthetic management of regional anaesthesia complications, such as dural puncture headache and neuropraxia
- Detailed understanding of anatomy, physiology, biochemistry and pharmacology relating to pregnancy
- Participate in the obstetric anaesthetic registrar on-call rota on a shift basis (1:9)

Academic and Management Aims

- You are expected to be a member of the Obstetric Anaesthetists' Association (OAA)

Design and conduct an audit or QI project, with the aim of publication/presentation locally and nationally

- Participate in on-going departmental research
- Produce 1-2 case reports on complex obstetric cases, with the aim of presenting them at national/international scientific meetings
- Attendance and involvement in the following managerial meetings:

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- Consultant Obstetric Anaesthesia Group Meetings
 - Labour Ward Forum
 - Obstetric HDU Forum
 - Clinical Risk Management Meetings
-
- Gain experience in business case applications, and writing clinical guidelines
-
- Recommended courses for advanced obstetric anaesthesia trainees:
 - OAA 3 Day Course in Obstetric Anaesthesia and Analgesia (November)
 - OAA Annual Scientific Meeting (May)
 - MOET course
 - Neonatal Resuscitation Course

Teaching Aims

- Clinical supervision of CT2/CT3 anaesthetic trainees undertaking their basic obstetric anaesthesia competencies
- Multi-disciplinary teaching on our local PROMPT course
- Organise and participate in teaching of obstetric topics relevant to pre- and post-fellowship anaesthetic trainees within the department
- Education of midwives in managing labour epidural analgesia, on their local Study Days
- Organise and facilitate multi-disciplinary emergency drills on the Labour Ward
- Facilitate in the Simulation Centre, teaching Obstetric focused courses, including OATS and MACC
- Education of pregnant women in antenatal pain relief classes

Obstetric Anaesthesia

University College London Hospitals

Lead supervisors: Dr Sam Bampoe (sohail.bampoe@nhs.net)

Dr Janis Ferns (janis.ferns1@nhs.net)

This clinical Specialist Interest Area (SIA) unit of training is for ST6/7 trainees who wish to develop their experience in obstetric anaesthesia as a subspecialty.

University College London Hospitals NHS Foundation Trust (UCLH) is one of the most complex NHS trusts in the UK. This 6- or 12-month post will allow extensive exposure to anaesthetic clinical, research and educational practice in a busy tertiary referral obstetric unit with >7000 deliveries each year. Clinical work will be based in the Elizabeth Garrett Anderson Wing of University College Hospital. It is a referral centre for patients with high-risk obstetric conditions, with neurological, cardiac disease and abnormal invasive placenta amongst the frequent comorbidities managed. It is also the local maternity unit for the surrounding central London area which serves a large and diverse population. Care is delivered by a varied, integrated and comprehensive multi-disciplinary team bringing together clinicians from many specialities.

We have been running successful clinical obstetric advanced training for many years, with many of our previous post-holders going on to work within this sub-speciality area.

Clinical work

- Elective caesarean sections are carried out 5 days a week, with sessions dedicated to the placenta accreta service and fetal surgery as the need arises.
- The labour ward has 13 individual labour ward rooms, a 4 bedded close observation unit for at risk ante-natal and post-natal women, and two operating theatres. We provide 24-hour anaesthetic cover, with anaesthetic consultants on site 8-9.30pm weekdays, 8-4pm weekends. There is a midwife-led birthing unit for low-risk deliveries.

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- There is a high-risk anaesthetic antenatal clinic once a week and trainees will have dedicated time during their placement to contribute to the perioperative management of obstetric patients.
- There is a weekly Obstetric MDT meeting to discuss complex cases, which trainees will be able to attend.

The placement also offers the opportunity to develop advanced sonography techniques for ultrasound of the spine, and regional blocks relevant to obstetrics.

Research / QI / Audit

- UCLH obstetric anaesthesia department has a strong record of training and achievement in innovation, academic and research practice. There is a strong training focus on perioperative care for maternity patients, including enhanced recovery and improvement of models for surveillance and intervention in medically complex ante- and post-natal patients.
- The post holder is expected to undertake at least one obstetric related audit or QIP project.
- They will have the opportunity to set up / contribute to research projects, under the supervision of one of the consultants.
- Recent and current research projects include investigation of intravenous iron to treat antenatal anaemia, development of validated quality of recovery scores for post-operative maternity patients and national epidemiological studies of accidental awareness during general anaesthesia for obstetric surgery.
- There is an expectation that the fellow will oversee & contribute to Trust obstetric related guidelines & similar when required.

Previous trainees have presented projects at national and international conferences such as the OAA annual meeting.

Teaching / Education

- Our department is focused on delivering teaching in a variety of formats to members of the MDT and it is expected that the trainee will be actively involved in a variety of teaching activities whilst in post.

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- This can include junior trainee teaching, educating midwives to supporting MDT training and developing as a simulation facilitator for the regional OATS (obstetric anaesthesia simulation) course.
- There is an expectation that the post holder will present at the monthly obstetric anaesthesia research/QI/education meeting during their time at UCH

SIA Post in Obstetric Anaesthesia: Chelsea & Westminster Hospital

Supervisors: Dr Atika Sabharwal, Dr Ayo Meduoye

This is a 6 month post suitable for a senior trainee wishing to pursue a career in Obstetric Anaesthesia. Clinical duties will be mainly based on labour ward, with occasional lists in general theatres to maintain airway skills. There will be a 1:8 on-call commitment on the obstetric rota.

Background:

The Maternity Unit caters for both high- and low-risk cases and a philosophy of midwife-led care co-exists with high-risk interventional obstetrics. The delivery rate is currently > 7000 per year. The epidural rate is ~50%. Regional anaesthesia is used in ~90% of caesarean sections. Our caesarean section rate is ~30%. We deliver a large number of older women and high-risk deliveries. We provide a joint cardiac service working with Professor M Gatzoulis and his adult congenital heart disease team at the Royal Brompton Hospital, and Professor M Johnson and his team of maternal medicine specialists, to deliver approximately 100 women per year with complex heart disease.

The Chelsea & Westminster Hospital is the centre for in-utero transfers of neonates who require surgery within West London and we provide Level 3 neonatal care for premature and sick babies. The Trust is the lead centre for paediatric surgery in West London.

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There are two dedicated obstetric theatres, and a 5-bedded nurse-led recovery and HDU area. We run elective caesarean section lists daily. Our private maternity unit has recently expanded along with the NHS services and a separate consultant on-call rota provides cover out of hours. The NHS cover is part of the general consultant on-call rota.

Clinical

To complete an SIA in Obstetric Anaesthesia, our trainees will be expected to:

- Assess and organise the daily workload for a busy labour ward and obstetric theatres. Focus on fastidious perioperative management and excellent teamwork, maximising both the efficiency of the service and the experience of our patients.
- Demonstrate the communication skills necessary to interact with multi-disciplinary colleagues, and to assist colleagues with difficult decision-making.
- Demonstrate the appropriate leadership and team-working skills to ensure that clinical care is delivered in a fashion that is timely and safe. Engages in leadership of debrief.
- Provide teaching to less experienced colleagues of all members of the multi-disciplinary team
- Participate in the management of high-risk mothers through attendance at the joint Cardiac/Anaesthesia/Obstetric clinic
- Take a leading role in the management of elective delivery of mothers with abnormalities of placental implantation

Audit and Research

Participation in audit and research is expected. There are regular departmental morbidity/mortality meetings, some of which are dedicated to obstetric issues. There is opportunity to conduct and supervise rolling audits. You will be encouraged and given support to instigate your own

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research project. Presentation at national and international meetings is encouraged.

Teaching

Our stage three Obstetric Anaesthesia trainees are invited to take a leading role in the delivery of the departmental rolling teaching programme.

There are opportunities to be involved in teaching on the MOMS Obstetric Anaesthesia training day which is recurring multi-disciplinary training encompassing Midwives, theatre staff, ODPs, Anaesthetic consultants and trainees, and Obstetricians of all grades.

Educational Supervision

Posts will be supervised by Dr A Sabharwal) and Dr A Meduoye. Weekly working patterns and learning objectives will be agreed at the outset and regularly reviewed. Outcomes will be assessed by review of logbook and reflective portfolio.

Complex Airway Management

Royal National ENT (RNENT) @ University College London Hospitals NHS trust

Lead supervisors: Dr Michael Gilhooly (m.gilhooly@nhs.net)

Background: Royal National Throat Nose and Ear Hospital is the only dedicated ENT hospital in the country where you will have exclusive access to providing anaesthesia for a full range of ENT procedures. We are now located within the University College London Hospitals campus and work in the brand-new Grafton Way facility and University College Hospital. The RNENT department consists of 11 consultants who are expert airway anaesthetists and five (Whole Time Equivalent) specialist trainees

Clinical Aims:

- Become proficient to independently anaesthetise patients with complex airway and presenting for airway surgery.
- To become proficient in the use of apnoeic ventilation techniques including THRIVE and High Frequency Jet Ventilation
- To be able to pre-assess patients with complex medical histories requiring major head and neck surgery
- To be able to perform Nasendoscopic examination of the upper airway in awake patients for the purpose of planning airway management
- Become proficient in the management of paediatric ENT anaesthesia including in children requiring Microlaryngoscopy

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- To become familiar with front of neck access techniques including performing needle cricothyroidotomy and simulated eFONA

Clinical Experience:

- You will have exclusive access to ENT surgical lists
- High Frequency Jet Ventilation and THRIVE in patients requiring a tubeless field for a range of benign and malignant pathologies.
- Daily opportunity to use a full range of advanced airway equipment and gain deep understanding of the pros and cons whilst also learning tips and tricks from airway experts
- Daily Paediatric (down to 2 years old) ENT lists including provision of paediatric microlaryngoscopy.
- Major Head and Neck Surgery Pre-assessment clinics
- Management of patients with Obstructive Sleep Apnoea presenting for a range of airway surgeries. Attendance at Sleep Apnoea Clinics with guidance in interpretation of sleep studies
- Fine Nasendoscopic Examination of the upper airway in outpatient clinic
- Additional competencies in use of TIVA, conscious sedation for complex middle ear surgery, day-case surgery in OSA patients and patients having a full range of ENT procedures.
- Solo list management under expert mentoring

Non-Clinical Experience

Research/QI/Audit

The post holder is expected to complete a project with the aim of presentation or publication. You will be well supported by a department the RNENT department (members who include the current

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president of HANA, a past DAS president and the UCL innovation lead). There will also be opportunities within the wider UCH airways fellows group to become involved in trust wide QI projects. Previous fellows have presented at DAS, HANA and ASA. The monthly Airway Hub provides a great opportunity to meet airway specialists from across London and to keep abreast of the latest developments in the field of complex airway.

Teaching

There is a very active local teaching program every Wednesday (RNENT anaesthesia) and Friday (combined Anaesthesia and ENT surgical specialties) which will enrich your learning experience.

You will be expected to provide training and maintain a register of FONA competency for departmental anaesthetists. You will also be expected to assist with the organisation and teaching at:

Airway Hub

Regional Airway Study Days

Awake Tracheal Intubation Course

There will be opportunity to join the faculty of the 'Airway Matters' MOOC

Summary

You will have the opportunity to work in a small department with a keen focus on your training and development. There is a full range of clinical experiences and opportunity to manage patients with complex airways and having complex airway surgery. By the end of the placement, you will have expertise in complex airway management. Twelve-month SIAs are available as a combined post with UCH Complex Airway (see advert) for a holistic experience.

London NW Healthcare University Hospitals NHS Trust

Head & Neck Anaesthesia SIA, Northwick Park Hospital, LNWUH NHS Trust – 6 months

Post Supervisors: Dr David Vaughan davidvaughan@nhs.net
 Dr Rajinder Singh Chaggar rajinderschaggar@nhs.net

Background

Northwick Park Hospital (NPH) is a large general hospital located in Harrow, Northwest London. It is an acute hospital serving a diverse population and part of the London Northwest University Healthcare NHS Trust.

The duration of our fellowship is 6 months. You will participate in the senior registrar on call rota but ALL elective work will be head and neck, ENT or Maxillofacial.

We are a hugely supportive group of approachable, skilled, encouraging and motivated consultants who welcome you into the team and provide mentorship throughout. Our fellowship has an excellent reputation for the clinical experience offered and the dynamic team you will be working with.

Clinical Experience and Exposure

NPH is a tertiary referral centre for Maxillofacial and Head & Neck Cancer surgery, and complex ENT/Airway. This fellowship will provide extensive exposure to all related areas and invaluable experience to consultant level for laryngopharyngectomy, craniofacial resection and reconstruction, tracheal resection, free flap reconstruction, intrathoracic goitre surgery, voice surgery, and the full

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range of routine rhinology, otology and oromaxillofacial surgery. We have a very progressive approach to the use of awake tracheal intubation and perform 20+ per week across the trust. Once trained you will be encouraged to help train others and support your consultant colleagues.

Through the fellowship you will have exposure to and develop competence/confidence in:

- Videolaryngoscopy
- Flexible intubation
- Awake Tracheal Intubation (VL, Flexi, VAFI)
- Jet Ventilation: Supra- and Infra-glottic; Manujet and High Frequency Jet Ventilation
- Cricothyroid Puncture/Transtracheal Catheter
- Front of neck access (emergency and surgical)
- Apnoeic Techniques
- Advanced extubation strategies for complex airways
- Nasendoscopy (ENT MDT Clinic)
- Solo management of an airway list
- Management of emergency/CEPOD cases and the out-of-hours anaesthesia team. A significant number of 'airway' cases present on CEPOD requiring advanced airway management techniques

Teaching

The Department of Anaesthesia and the airway team have a strong reputation in education. Our fellow will be encouraged to:

- Support organisation and delivery of the Northwick Education in Oxygenation (NEO) Workshop as a Director during the fellowship –delivering free education to over 100 MDT delegates and managing a faculty of 30 people
- Support MDT airway teaching trust wide
- Present at local and regional teaching days
- Participation in and develop skills/drills in Simulation

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Academia/Publications

Involvement in academia/research is supported from development of ideas, research/ethical approval, through data collection, preparation of manuscripts and submission. We have a highly experienced and skilled team who present internationally and have been involved in writing national guidelines. Our fellows have presented oral presentations at national meetings and have continued their airway interests as DAS trainee representatives.

Summary

This is a busy fellowship where there a large amount of technical and non-technical skills will be learned and practised through protected airway lists and busy emergency theatres. Our fellow will be an integral part of our team and encouraged to develop all areas of their practice. There are numerous opportunities to enhance your CV and explore your interests but most importantly development will enable you to be a skilled 'airway' anaesthetist

functioning at consultant level. We also work hard to prepare our trainees for the consultant application process and life as a consultant.



Charing Cross Hospital

Department of Anaesthesia

SIA Anaesthesia for Patients with Complex Airway

Clinical Supervisors

Dr John Myatt	john.myatt@nhs.net
Dr Jim Poncia	james.poncia@nhs.net
Dr Mala Siva	m.sivaloganathan@nhs.net
Dr Nicola Stranix	n.stranix@nhs.net

Background

This is a 3-to-6-month SIA placement at Charing Cross Hospital covering the Stage 3 SIA Complex Airway curriculum of the Royal College of Anaesthetists. This placement is suited to senior trainees who would like to sub-specialise in ENT / Head and Neck / Advanced Airway anaesthesia. Support will be available to trainees undertaking activities that enhance their non-clinical skills such as education, research, and quality improvement and publication preparation.

Clinical Experience

Charing Cross Hospital is a major tertiary referral centre for airway surgery and head and neck cancer with renowned surgeons performing extremely challenging surgery alongside highly skilled airway anaesthetists.

Trainees will spend most of their clinical time concentrating on our airway, head and neck and ENT lists. The head and neck oncology service manages patients for complex resections and plastic reconstructions, including free flaps. These cases can also include joint procedures with neurosurgery. The airway service is an internationally recognised unit dealing with patients with severe airway pathology including those requiring laryngotracheal reconstructions. Additionally, robotic assisted head and neck surgery is included in our service. The ENT service provides a range of procedures in

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rhinology (including base of skull surgery) and otology, which is often combined with the neurosurgery.

During the SIA, the trainee will be expected to participate in the internal 'ICAN' Airway skills course which typically runs 6-monthly.

There is ample opportunity to develop practical skills in a number of advanced airway techniques including:

- Fibre-optic intubation devices
- ORSim bronchoscopy simulator available
- Trans-tracheal cannulation
- Supraglottic, subglottic and trans-tracheal jet ventilation
- HFNO / THRIVE
- Use of Oxygen Reserve Index (ORI) technology
- Video-laryngoscopy
- Fibre-optic techniques are enhanced with sessions supervised by our consultant surgical colleagues in head and neck outpatient clinics performing nasendoscopies.

Academic & Management

Trainees will be expected to actively participate and lead in existing audit and quality improvement work such as our long term HFJV audit and development of the 'Airway Passport'.

We have a long history of presenting at the DAS annual conference as well as other national and regional meetings and will support trainees in achieving this.

General Conditions & Responsibilities

- Full and LTFT posts are available
- The post holder will take part in the senior trainee on call rota alongside the other trainees and fellows, which currently operates at a frequency of 1 in 8, follows a full shift pattern with prospective cover and is European Working Time Directive compliant.
- In addition to elective theatre work, the trainee is expected to cover cardiac arrests, airway and other emergencies and the acute pain service when on call.
- The post will be covered by the arrangements for study leave and supervision that apply to trainees in PMETB approved posts. Study and annual leave are to be taken during weeks when not on call, or sessions moved accordingly.
- There is a strong departmental tradition of performing, presenting, and publishing research and audit projects. The post holder will support developments in education, research, leadership and quality improvement projects within the Trust.

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Normal working hours

Stage 3 / Higher, Stage 2 / Intermediate & Fellows (Pager 8844/8189)

Normal Day: 7:30am - 5:30pm (10hrs)

Weekday Long day: 7:30am - 8:30pm

Weekend & Bank Holiday Long Day: 8:00am - 8:30pm

Weekday Nights: 8pm-8am

Weekends & Bank Holiday Nights: 8pm to 8:30am

Education

The department has a well-established weekly teaching programme from which the trainee can benefit from learning the topical issues and relevant literature. Additionally, a weekly 'Education and Wellbeing opportunities' email is circulated each Sunday evening, which includes events at other Imperial sites.

A Trust-wide CEPD half-day meeting held 6 times a year, often preceded by the Local Faculty Group meeting and a Consultant meeting.

There is an extensive library of recorded teaching sessions available to you on Microsoft Teams. The trainee will additionally have access to all of the general educational resources available on site including:

- Libraries: Departmental Anaesthetic library for quiet study and Imperial College Library on site
- Educational room within the Anaesthetic department. Contains a range of teaching / training equipment.
- Information Technology: Computers in theatres and the anaesthetic department.
- In-hospital Information Technology, Faculty Development and Management training courses organised through the Charing Cross Postgraduate Centre
- UpToDate: is an evidence-based clinical decision support tool. Imperial NHS Trust provides access to [UpToDate.com](https://www.upToDate.com) from all Imperial Trust computers. From there you can confirm your association with the Trust, allowing you to access the resource from your own devices.

Teaching

Teaching is a core component of SIAs and trainees will have opportunities to provide teaching to undergraduates, postgraduates and allied health professionals and are expected to contribute to the weekly departmental teaching programme.

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Governance

The Trust adheres to a strict clinical governance programme. Within the directorate there is an active and on-going programme of Governance supported by Dr Preea Gill representing Anaesthesia. There are regular Clinical Governance, Critical Incident and Mortality & Morbidity meetings within the Division of Anaesthesia occurring bi-monthly.

Everyone is expected to participate in Quality Improvement. All QI should be recorded using the LifeQI platform, which will automatically register the project with the Trust QI department. All audit activity should be registered with the audit team by emailing: imperial.audit@nhs.net.

Clinical Research Opportunities

Trainees will be encouraged to participate in projects under the supervision of a consultant anaesthetist. SIA trainees are also expected to initiate and complete at least one research / quality improvement / audit project and participate in departmental academic activities. There are opportunities to collaborate with ImPART (Imperial Anaesthesia Research Team), national projects and trainees are encouraged to present their completed work at national or international meetings during the year. A rolling programme of audit meetings takes place supported by Dr Dafydd Lloyd and the post holder is expected to participate in the clinical audit programme.

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The Royal London Hospital Anaesthetic Department

Airway SIA

In accordance with the RCOA 2010 Curriculum for a CCT in Anaesthetics Advanced Level Training requirements, these are the **airway SIA** requirements. The trainees should have already completed the higher airway training module.

Trainees will primarily be based at RLH. They will have the opportunity to go to UCLH for the cancer surgery lists and Barts for the retrosternal thyroid lists.

Aims

1. Experience in managing anticipated and unanticipated difficult airways
2. Experience in advanced airway techniques
3. To be confident in performing an awake fiberoptic intubation (AFOI) solo
4. Experience in running an airway list
5. Experience in producing written work for publication and submission to major anaesthetic meetings
6. Teaching experience on advanced airway courses
7. QI project involving advanced airway management and peri-operative care

Clinical experience

By the end of the fellowship the trainee should be competent in all of the following:

1. Fiberoptic intubations- aim for around 10-20 AFOI over the 6 months
2. Use of videolaryngoscopes (Airtraq, CMAC, MacGrath, Glidescope)
3. Intubation through SGA's, airway exchange techniques (can be mannequin and patient based)
4. FONA (mannequin based)
5. Surgical airway techniques, including scrubbing in for a surgical tracheostomy
6. Management of supraglottic & subglottic lesions

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7. High frequency jet ventilation techniques
8. THRIVE/apnoeic oxygenation techniques
9. Extubation strategy in patients with anticipated difficult airways
10. Running an airway list and communication with surgical colleagues
11. Complete a free flap case for H&N cancer
12. Complete a laryngectomy case, understand post-operative care of these patients, stoma care, tube and ventilation options
13. Attend a tracheostomy ward round
14. Attend H&N POA and MDT

Non-Clinical Experience (half a day a week timetabled for this)

1. The trainee is expected to produce written work to be submitted to scientific meetings and/or publication to peer-reviewed journals. This may be from case reports, QI projects and review articles
2. The trainee should aim to submit abstracts to present and book study leave to attend some of the following meetings:
 - Difficult Airway Society (DAS) Annual Scientific Meeting (November)
 - An advanced Airway Skills Course
 - Head & Neck Anaesthetists (HANA) meetings

International meetings such as ESA, ASA, NWAC, WACAim

3. The trainee should complete a Good Clinical Practice Research Ethics Course (can be done online)
4. The trainee should be able attend the following:
 - ENT OP clinic, and practice FNEs
 - H&N POA clinic at RLH and UCLH
 - Attend H&N MDT
5. The trainee can deliver airway teaching:
 - Tea trolley training for eFONA
 - Airway induction session for new trainees rotating
 - Airway training for ODPs
 - Faculty on DAMIT course
 - RCOA advanced airway course as faculty

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Clinical Timetable

Mon	Th 5 ENT Mix of jetting/ noses/ tonsils	Th 1 OMFS Benign free flaps, dentoalveolar, thyroids		
Tues	ACAD 1/ th 5 ENT Jetting, robotic ENT/benign cases	Th 3 OMFS OMFS trauma	UCLH (RM) Cancer cases , jetting	Th 1 Asleep FOIs
Wed	Head and neck MDT/ PAC	Th 3 OMFS OMFS trauma	Barts 1 st Wed monthly, retrosternal thyroids	
Thurs	POA UCLH?	Th 3 OMFS Benign free flaps, dentoalveolar		
Fri	Th 5 ENT Neuro/ENT/jetting	UCLH once a month Neuro/ENT/Jetting	POA RLH (TB)	
Others	Tracheostomy ward rounds (Tues 12pm)			

Anaesthesia for Patients with Complex Airway

University College London Hospital

Lead supervisors:

Dr Simon Clarke (simon.clarke15@nhs.net)

Dr Kirstie McPherson (kirstie.mcpherson3@nhs.net)

This clinical SIA module is aimed at ST6/7 candidates who wish to develop their experience in anaesthesia for head and neck surgery and the management of the difficult airway. This predominantly clinical post provides a broad and comprehensive grounding in head and neck anaesthesia and airway management, with a half-day per week for audit /projects / research and teaching activity.

The UCLH Head & Neck Centre is a tertiary referral centre for patients with head and neck cancer and is one of the largest Head & Neck centres in England, undertaking complex Maxillofacial, Oral and ENT procedures.

Care is delivered by a varied, integrated and comprehensive multi-disciplinary team bringing together clinicians from many specialities including, Ear, Nose and Throat (ENT), Oral and Maxillofacial Surgery, Head and Neck Oncology services.

We have been running a successful Airway Fellowship / SIA post at UCLH for 20 years, with many of our previous post-holders going on to work within this sub-speciality area of anaesthesia.

Clinical Opportunities

We run daily lists, which range from major-complex head & neck resections with free flaps, to high turnover ENT work. Lists with shared airway components include:

- Maxillo-Facial and Head & Neck oncological surgery
- ENT (including glottic surgery and laryngectomy)
- Dental (including special needs patients and paediatrics)
- Interventional bronchoscopy lists

The placement offers the opportunity to develop techniques for management of the difficult airway, specifically:

- Fibre-optic intubation (awake and asleep)
- Video-laryngoscopy
- THRIVE
- Jet ventilation
- Trans-tracheal access / front of neck airway management
- Extubation planning including the use of airway exchange catheters

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- In addition, SIA trainees will become more familiar with peri-operative medical provision & airway assessment, risk reduction airway strategies (Human factors), management of LASER cases, airway ultrasound and TIVA.

Non-theatre work

- SIA Trainees can expect to attend the surgical planning MDT meetings and contribute to Head & Neck pre-assessment clinics, where they will evaluate high-risk patients for surgery and be involved with the planning of these cases.
- The Trainees may additionally have the opportunity to attend surgical clinics, tracheostomy ward-rounds and H&N radiology clinics. These options can be explored further once the trainee is in post.

Non-Clinical Opportunities

Research / QI / Audit

SIA trainees are expected to undertake at least one airway related audit or QIP every six months, &/or help set up/contribute to a research project, under the supervision of one of the consultants. There is an expectation that the trainee will oversee & contribute to Trust (difficult) airway related guidelines & similar when required.

Previous trainees have presented projects/posters at AAGBI ASM, DAS and WAMM meetings as well as being involved in the development and management of the RCoA and DAS endorsed 'Airway Matters' course.

Teaching / Education

Our department is highly focussed on delivering teaching in a variety of formats to members of the MDT and it is expected that the SIA trainee will be actively involved in a variety of teaching activities whilst in post.

The SIA trainees are responsible for ensuring that all trainees are familiar with difficult airway equipment and drills (inc. DAS Guidelines).

They will assist with the organisation of and teaching on:

- ATI course
- SAFE course (Airway crisis simulation management)
- Airway-Hub monthly meetings
- Regional teaching days
- eFONA (Statutory & Mandatory) Departmental teaching
- CT1/2 Airway skills & drills
- Supporting the RCoA workshops on the airway days

There is also the opportunity to become a contributor and educator on our 'Airway Matters' MOOC as well as to formally develop your training as a simulation facilitator.

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Anaesthesia for Complex Orthopaedics

Special Interest Area

Royal National Orthopaedic Hospital

Lead Supervisor: Dr Sanjeevan Shanmuganathan (sanjeevan.shanmuganathan1@nhs.net)

This module is for stage 3 candidates looking to build on their knowledge and experience of orthopaedics at a tertiary referral centre. The post is for six months providing a wide variety of anaesthetic skills for neuromuscular skeletal surgery, which provides valuable experience applicable for a wide range of future consultant posts.

Clinical experience:

The Royal National Orthopaedic Hospital is the largest specialist orthopaedic hospital in the UK performing a wide range of complex musculoskeletal surgery in both the paediatric and adult population. These include primary and revision joint replacement, foot and ankle, shoulder, bone tumour, peripheral nerve injury repairs, and spinal surgery including deformity surgery. Neuro-urological surgery is also undertaken in support of The London Spinal Cord Injury Centre. The Chronic pain service provides interventional management therapies in addition to outpatient and rehabilitation services. The anaesthetic department also supports radiology suites for CT/MRI and interventional procedures and runs a long-term venous access (PICC line) service. We offer all expected SIA learning outcomes for complex orthopaedic surgery including preoperative assessment clinic, high risk MDT meetings, management of major haemorrhage and post-operative pain management, with support of the acute pain team.

Regional anaesthesia forms an integral part of our practice. The post offers experience of a wide range of regional anaesthetic techniques. It would be expected that you gain regional experience alongside the other areas of complex orthopaedics.

This post is part of a 1.8 resident on-call rota

Non-clinical opportunities:

- To present a poster/Infographic/oral presentation at national or international meetings
- To take an active role in clinical governance and participate in audits/QI projects, writing policies or business cases for development of the service
- Research opportunities with Perioperative Quality Improvement Programme (PQIP)
- Journal club and weekly teaching for registrars
- Leadership training
- We endeavour to support potential candidates with preparations towards the EDRA exam

The Royal London Hospital SIA Trauma

Barts Health NHS Trust

Module Lead:

Dr John McKenna: john.mckenna1@nhs.net

Dr Mark Wyldbore

Clinical Aims:

- Experience the breadth of clinical presentations and therapeutic interventions pertinent to major trauma patients. This includes traumatic injury to all body systems, including but not limited to neuro, spine, thorax, abdomen, pelvis, limb.
- Master the anaesthetic management of the trauma patient at all stages of their hospital journey, from the Emergency Department, Operating theatre, Critical Care through to the ward.
- Provide safe anaesthetic care for major trauma in specialised patient groups such as paediatrics, obstetrics, and the elderly.
- Work as an integral part of the Trauma Service multidisciplinary team and appreciate the integral role of anaesthesia in the delivery of the service.
- Develop an appreciation of the importance of trauma networks, and our roles and responsibilities as a Major Trauma Centre within that network.
- Gain understanding in the role of pre-hospital care in the management of the multiply injured patient and the seamless link with in-hospital care.
- Develop leadership and non-technical skills within the trauma team and the management of life-threatening emergencies.
- Gain experience and skill in the management of hypovolaemic shock and massive transfusion.
- Develop expertise in providing safe and effective analgesia for trauma patients, including the use of neuraxial and regional techniques.
- Appreciate developments and innovations in trauma care, e.g. REBOA, ECMO.

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- Engage in elective opportunities to supplement and develop anaesthetic skills which are transferrable to the management of major trauma patients. E.g. interventional radiology, vascular surgery

Academic and Management Aims:

- Actively contribute to the trauma service governance processes.
- Contribute to the ongoing development, training, and implementation of the departmental major incident plan.
- Contribute to the Trauma Anaesthetic Group clinical practice guidelines.
- Lead a QI/Audit project relating to trauma anaesthesia and support junior colleagues through the process.

Teaching Aims:

- Attend trauma teaching and training, including educational events organised by London's Air Ambulance.
- Present at trauma service M&M.
- Join the faculty in multidisciplinary simulation courses, both in situ and in the simulation suite.
- Contribute to the training of colleagues and students in trauma anaesthesia.

Indicative Timetable:

	AM	PM
Monday	Emergency list	Emergency list
Tuesday	TAG (Trauma anaesthesia)	TAG (Trauma anaesthesia)
Wednesday	OMFS Trauma	OMFS Trauma
Thursday	Trauma Governance/M&M	Protected SPA time
Friday	Pelvic Trauma List	Pelvic Trauma List

St Mary's Hospital

Imperial College Healthcare NHS Trust

TRAUMA & STABILISATION

Module Supervisor(s):

Drs Sabeena Qureshi, Henrietta Wydell, Sarah McNeilly and Cosmo Scurr

College Tutors

Asela Dharmadasa asela.dharmadasa@nhs.net

Pete Williamson peter.williamson3@nhs.net

Background

- 24/7 busy Major Trauma Centre providing consultant-led care for both adults and children.
- Major Trauma Centres save lives and prevent long-term disability by giving patients urgent access to specialist trauma teams, dedicated theatres and state-of-the-art equipment.
- 2500 major trauma calls per year with some of the top survival scores in the country.
- Dedicated, fully equipped major trauma theatre on standby 24/7 for code red major trauma.
- Work alongside and learn from a dozen highly skilled and motivated specialties, including neurosurgery, Cardiothoracics, orthopaedics, general surgery, ENT, plastic & reconstructive surgery.
- Anaesthetic and surgical colleagues with extensive military experience.

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Clinical Aims/ Experience offered

Gain mastery in the delivery of safe and effective perioperative anaesthetic care to these patients. Demonstrates the multi-disciplinary leadership, communication and team-working skills necessary to ensure that the care delivered benefits both the patient and organisation.

- Significant experience as both a Trauma Anaesthetist and Trauma Team Leader.
- Ultrasound guided regional anaesthesia for the management of pain related to traumatic injuries, such as rib fractures and complex limb injuries.
- Management of major haemorrhage.
- Learn from weekly major trauma reviews/ debriefs.
- Access to and training in the use of state-of-the-art equipment: Blood vending machines, Optiflow, 4 types of video laryngoscope, fiberoptic scopes, hover mattresses, Belmont rapid infusers, 12 ultrasound machines, cell salvage, Aisys C2 anaesthetic machines, electronic Anaesthetic records, TIVA and depth of anaesthesia monitoring available in every theatre.

Academic & Management Aims

- Research and QI initiatives with dedicated time built into rota.
- Submit abstracts to national and international conferences
- Regular teaching and journal club
- In-house Trauma team leader course.
- Develop and improve evidence-based guidelines.
- Write business cases for new services or equipment

CV and interview preparation for consultant jobs.

St Mary's Hospital is a busy central London teaching hospital, major trauma centre and quaternary vascular centre. The Anaesthetic department comprises a dynamic group of

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consultants who are passionate about training with varied interests within and outside the specialty. Our ranks include the current Vice President of the RCoA, several RCoA Council members and two former AAGBI presidents, who bring with them a wealth of experience, wise counsel and connections. You will leave the department with increased confidence and new clinical & professional skills, feeling ready to start your consultant career. We look forward to welcoming you in the near future.

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SIA Regional Anaesthesia

Royal London Hospital

Unit Supervisors:

Dr Tim O’neill timothy. o’neill1@nhs.net

Introduction:

- This is a 6-month post with protected time to carry out research or service development and quality improvement projects.
- Regional anaesthesia is a key component of multimodal analgesia and enhanced recovery, conferring preemptive analgesia and improved patient outcomes.
- These benefits have been recognised nationally by training bodies and national associations. Following a recent editorial in Anaesthesia, Regional Anaesthesia-UK (RA-UK) have clearly defined a schedule of ‘Plan A’ blocks.
- Regional anaesthesia is now a key domain of the anaesthesia curriculum at all stages of training. By the end of training, all anaesthetists should be able to independently perform:
 - Central neuro-axial blocks
 - Simple peripheral nerve block
 - Chest wall plane block
 - Abdominal wall plane block
 - Lower limb block (including femoral nerve and fascia iliaca)
 - Upper limb block (including brachial plexus)
- The Royal London Hospital is a tertiary centre with a wide variety of specialties and an abundance of opportunity to learn and develop skills in regional anaesthesia.
- We have a unique Trauma Anaesthesia Group who are passionate about the use of regional

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- Anaesthesia in trauma and a receptive group of trauma surgeons.
- The majority of the operating lists at this site provide trainees with the opportunity for training in regional anaesthesia techniques, and we already deliver training in this subspecialty for trainees in Stages 1-3.
- We have a group of committed regional anaesthetists who have completed international fellowships, a strong track record of success in education and research, having spoken and published data nationally and internationally about our experiences at The Royal London. We therefore feel that we are ideally placed to provide an ATM in regional anaesthesia to complement this.
- Given this, the trainee completing an ATM in regional anaesthesia would also benefit greatly from completing an ATM in an allied special interest area offered at the Royal London, such as Orthopaedic or Trauma Anaesthesia.

Clinical Aims:

- To gain mastery of the regional anaesthetic techniques required to independently run a block room for awake hand surgery.
- To gain competence in the common regional anaesthetic techniques required to independently anaesthetise patients undergoing complex orthopaedic and trauma surgery.

SIA in Regional Anaesthesia

Whipps Cross University Hospital, Barts Health NHS Trust

Unit supervisor – Yogi Jigajinni

Suyogi.jigajinni@nhs.net

Background

- Whipps Cross University Hospital
- 6-month placement
- Regular Weekday activity (0730-1730) Mon-Fri will be on Regional Anaesthesia lists, working under direct or indirect supervision of a consultant anaesthetist experienced in RA
- Whilst the post holder will be based in a specified theatre list each day, there will be flexibility to move between theatres to perform / assist / teach blocks happening elsewhere on the floor
- Post holders will participate in the 1:8 Registrar on-call rota covering both ICU/OBS
- We will provide non-clinical half days to facilitate projects, EDRA exam preparation, and the like.

Clinical Aims

- Post holders perform in the region of 160 – 200 blocks, spanning a broad spectrum of Upper/Lower limb, Truncal and Chest Wall blocks, continuous catheter techniques, awake surgery and rib fracture analgesia.
- Clinical and learning outcomes will be agreed between the post holder and fellowship supervisor on post commencement (or before).
- Objectives agreed at that initial meeting will mirror the outcomes prescribed by the RCoA for Advanced regional anaesthesia training, set out achievable block numbers and workplace assessments, highlight areas for focus while at Whipps and detail timetabling.
- As the post holder gains experience, they may be given opportunities to work solo /supervise a junior trainee anaesthetist on an RA list. The post holder will always have direct access to a named consultant.

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Research and Audit Aims

- To assist and take a lead on RA related audit
- To devise and implement RA related research/audit activity under supervision.
- To attend and present RA related research/audit at local, national and international meetings as appropriate.
- To develop skills in order to produce a poster/peer-reviewed publication
- To undertake RA presentations/posters at regional, national and international meetings.

Educational Aims

- In conjunction with the SIA supervisor, help to set up and run the departmental RA teaching programme (Scanning club) for core, intermediate and higher-level anaesthetic trainees and consultants - coordinating faculty, volunteers and contributing to teaching sessions themselves.
- Assist as faculty at a RA Meeting/Workshop (by invitation)
- Teaching/supervision of trainees/senior colleagues in RA
- Undertake workplace-based assessments for junior trainees.

• Testimonials and Accomplishments

- Previous post holders have completed a multitude of projects presented at national and international meetings and have been awarded best poster prizes. Post holders have taught as faculty at KSS & London area regional anaesthesia course, lead the Whipps Scanning Club and are actively involved in Departmental quality improvement, pathway implementation and education.

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SIA: Regional Anaesthesia

Royal Free London NHS Trust, Hampstead

Unit Supervisor & Regional Lead: Dr Gagan Atwal

Gagandeep.atwal@nhs.net

Duration of post: 6 months

Background

The Royal Free Hospital is a tertiary referral centre for plastic surgery (including hand trauma); ophthalmology; renal surgery (including fistula formation); vascular surgery & major complex abdominal surgery. Regional anaesthesia techniques for the upper limb, eyes, lower limb, carotids, chest wall/trunk are routinely utilised for these operations, facilitated by a named regional anaesthesia consultant. We run a 7 day a week hand trauma list and the majority of surgery is performed under regional anaesthesia alone. Our enthusiastic and experienced group of regional anaesthetists regularly perform a wide range of blocks and teach on national US courses.



The regional faculty are closely aligned with the Acute inpatient pain service extending the benefits of regional analgesia outwith the operating theatre to acute admissions, the wards and critical care.

We have recently launched a:

- **Peripheral Nerve Catheter Service**
- **Rib Fracture Pathway**

We have also recently acquired:

- **4 new high end ultrasound machines** (x2 Sonosite X-Porte, x2 GE Healthcare Venue)
- **20 CAAD Solis Infusion systems**- programmed for use with peripheral nerve catheters
- **Phantom US simulators (on order)**

We are committed to ensuring that our SIA trainees get their most out of their post and will endeavour to welcome you into the team ahead of your start date so that you can hit the ground running with an idea of the projects that await you. We will discuss your learning objectives and personal interests and help you seek out opportunities to achieve your goals during your SIA. Over the course of this SIA you will develop the skills and CV to gain the job you want and a competitive edge.

Regional skills which expand options for perioperative care, in the context of an increasingly complex and elderly surgical population, will make you a sought-after consultant colleague.

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Clinical aims

- Surgical case mix requiring regional anaesthesia
 - Plastics- Hand trauma & elective complex upper limb surgery
 - Renal access lists - AV fistula formation
 - Renal Cancer- open, laparoscopic and robotic surgery
 - Breast surgery
 - Orthopaedic trauma surgery
 - Vascular surgery including Carotid endarterectomies, lower limb debridement & amputation
 - Major complex colorectal/HPB surgery
 - Ophthalmology

- Procedures/skills
 - Blocks for awake upper limb surgery
 - Blocks for awake lower limb surgery
 - A range of chest wall & trunk blocks including PECS, Erector Spinae, Quadratus Lumborum & Rectus Sheath
 - Fascial plane & perineural catheter insertion
 - Eye Blocks
 - Post-operative evaluation of patients with regional blocks and catheters with the option to participate on supervised and independent acute pain rounds.
 - By 6 months fellows will have developed a broad repertoire of regional anaesthetic skills and be confident to perform RA independently and supervise others

- On-call commitments
 - 1 in 8 resident registrar on call rota covering theatres or labour ward (bespoke rota written based on your leave requests)

Non clinical aims:

The SIA trainee will have one session (half day) per week dedicated to non-clinical activities. The focus will be on gaining experience in leadership, management, QI, service development and contributing to RA educational development within the department. You will also be expected to develop a sound knowledge of anatomy/sonoanatomy, recognition of anatomical variation, physiology and pharmacology.

The Royal Free Regional Anaesthesia Faculty regularly attend and present at RA-UK (Regional Anaesthesia United Kingdom) Annual Scientific Meeting, ESRA (European Society of Regional Anaesthesia) and the Annual Congress ASRA (American Society of Regional Anaesthesia) Annual Meeting. Prospective SIA trainees would be expected and supported to submit their project work to such meetings.

Membership of ESRA/RA-UK/LYSORA is encouraged.

North London SIA Handbook

QI & Service development

With our range of surgical specialities and complex patient cohort there are abundant opportunities to develop our block services and regional anaesthesia pathways. The active Royal Free Perioperative Quality improvement group (ROFPAQ) and acute pain teams will also support RA projects.

Previous RA QI projects have been published and presented at a range of Local, National and International meetings and include:

- Electronic Block database & automated patient follow up
- Rib fracture pathway
- Perineural catheter protocol & pathway

Teaching and education

- Trainees will coordinate the block of the week teaching programme
- Organise and deliver the Stage 2 study day in Regional Anaesthesia, hosted at the Royal Free Hospital
- Opportunities for organising workshops for new blocks and supporting the training of the wider department and hospital
- Designing and delivering acute pain teaching to the MDT including medical students and other specialties
- Opportunity to teach on the RCOA US guided regional anaesthesia course

The department also has an active timetable of Friday morning meetings, journal clubs, coffee club, HPB teaching, regular clinical governance and audit meetings.

SIA regional trainees are encouraged and supported to achieve post-graduate qualifications such as EDRA (European Diploma of Regional Anaesthesia)

Leadership and Management

SIA trainees will be welcome to

- Present at the Drugs and Therapeutics committee (DTC) and to write guidelines introducing latest evidence based regional techniques
- Shadow clinical and non-clinical leaders
- Attend risk management and patient safety meetings
- Undertake shared learning projects

Enthusiastic candidates are likely to get several non-clinical stage 3 domains signed off in addition to their SIA units (Professional Behaviours & Communication, Management & Professional & Regulatory Standards, Safety & QI, Education & Training, Research & managing data, Team working).

North London SIA Handbook

Past Fellows' achievements

Recent projects

- “Hand trauma theatre – which block for hand surgery” Infographics presented at RAUK 2023
- “Which local for upper limb blocks” Infographics presented at RAUK 2023

National Poster Presentations

- Regional analgesia service for rib fractures – PDSA cycle. RAUK 2022
- Evaluation of the regional anaesthesia follow up service at the Royal Free Hospital RAUK 2022
- Evaluation of patient satisfaction with regional analgesia RAUK 2022
- “Stop before you block” PDSA cycle – SALG 2022

One of our recent Regional trainees has been elected as the 2023 trainee RAUK rep!

Testimonials

“Great mentoring and encouragement from a friendly and supportive team who are keen to learn and teach new techniques. It has inspired me to progress in Regional Anaesthesia. I gained a great breadth of experience and significantly improved my scanning and needling technique. Lots of opportunity to get involved in Regional Anaesthesia projects”.

I spent 6 months doing my SIA at the Free where i performed plenty of hand trauma blocks. I also got rich experience in lower limb blocks in vascular and emergency surgery and some truncal blocks in renal and general surgery. I received great supervision by experienced consultants, organised the stage 2 regional training day, taught regional anaesthesia at RCOA and had 2 posters accepted at RAUK. By the end, I had completed over 100 blocks and was independent in all plan A regional anaesthesia.

North London SIA Handbook

Regional Anaesthesia University College London Hospitals

Lead Supervisor: Dr Sim West (simeon.west@nhs.net)

This SIA module is designed for ST6/7 candidates looking to improve their regional anaesthetic skills prior to consultant posts. This is a 6-month clinical post, providing competency in the 7 RA-UK Plan A blocks, along with exposure to the wider range of regional anaesthesia.

UCLH is a large North London Teaching hospital that provides anaesthesia for a wide number of specialties. Regional anaesthesia is a core component of enhanced recovery pathways in a number of these specialties, and as part of this SIA you will cover our 3 main sites: UCH itself, Grafton Way (our specialist hub for orthopaedics) and Westmoreland Street (thoracics and urology). You will learn to perform a wide range of upper and lower limb, chest wall and abdominal wall blocks. We run several awake hand surgery lists, and you will become proficient in managing these.

Regional anaesthetic specialists work closely with our wider team, including ED, ICU, the acute pain team and the medical units to provide ongoing analgesic techniques. We utilize catheter techniques where appropriate to extend regional anaesthesia.

We have newly purchased ultrasound machines in all clinical areas.

Educational Expectations

As part of this SIA you will be expected to get involved with ongoing academic projects and help set up new projects depending on other commitments: recent projects include setting up and running a Delphi process on RA outcomes and gaining grant funding and setting up an RCT on QLB in obs. There will be opportunities to write guidelines, business cases and policies.

A monthly US teaching program is regularly attended, and the role will include running this with the consultants. There is usually an opportunity to teach as faculty on various ultrasound courses. We have recently purchased an artificial intelligence enabled simulation device for scanning and needling to be used in educational sessions.

The trainee may sit for the EDRA (if not already gained) and funding is often available for this.

Regional Anaesthesia Special Interest Area

Royal National Orthopaedic Hospital

Lead Supervisor: Dr Alex Sell (email: alexander.sell@nhs.net)

This SIA module is designed for Stage 3 candidates looking to build on and improve their regional anaesthetic (RA) skills prior to consultant posts. This is a 6-month clinical post, providing competency in a wide range of regional anaesthesia techniques.

The Royal National Orthopaedic Hospital is the largest specialist orthopaedic hospital in the UK performing a wide range of complex musculoskeletal surgery in both the paediatric and adult population. These include primary and revision joint replacement, bone tumours, foot and ankle, shoulder, complex paediatric orthopaedic and spinal deformity surgery. You will therefore have the opportunity to perform a range of blocks including paediatrics. Regional anaesthesia forms an integral part of our practice and the consultant body will support you to gain as much experience as possible.

This post is part of a 1:8 resident on-call rota.

Clinical experience:

- Consultant-led supervision for ultrasound guided upper and lower limb blocks with opportunities to perform truncal blocks.
- Perineural catheters for analgesia
- By the end of the SIA, we would expect independent management of regional anaesthesia for complex orthopaedic cases
- To gain further experience with the acute pain team and using RA to help manage patients with complex post-operative pain requirements.

Non-clinical opportunities:

- To present a poster/Infographic/oral presentation at national or international meetings
- To take an active role in clinical governance around regional anaesthesia and participate in audits/QI projects, research, writing policies or business cases for development of the service
- To coordinate and deliver sonoclub sessions for anaesthetic registrars (stage 2 & 3) in the department
- To teach as a faculty member on our annual RNOH regional anaesthesia course with RA_UK/RCOA approval
- We endeavour to support potential candidates with preparations towards the EDRA exam

SIA POSTS REGIONAL ANAESTHESIA Chelsea & Westminster Supervisor Dr Rob Pilling

We are offering the opportunity to undertake a six-month specialist interest placement in the field of Regional Anaesthesia. Chelsea & Westminster Hospital has a dedicated Hand Management Unit with 7 hand surgeons – offering a number of elective and emergency operating lists each day. We also provide elective services for shoulder, elbow, hip, knee and foot/ankle surgery. Daily trauma lists have a subspecialty component in each of these fields.

By the end of six months the higher trainee would be expected to demonstrate competence to performing the following techniques without direct supervision

- All 4 brachial plexus blocks and peripheral forearm blocks
- Lower limb blocks including femoral, fascia iliaca, adductor canal, popliteal and ankle blocks
- Chest wall and abdominal blocks (for analgesia in trauma patients as well as elective major colorectal cases)

They will gain experience in siting and managing continuous catheter techniques. By the end of the placement, they should be confident to plan and effectively run solo operating lists for awake hand surgery.

Non-clinical opportunities to be gained during the post include:

- Leading a QI project in RA
- Leading teaching initiatives for junior trainees
- Educational support to undertake further education in RA – either MSc in Regional Anaesthesia or the EDRA diploma

St Mary's Hospital

REGIONAL ANAESTHESIA

Module Supervisor(s):

Drs Boyne Belew, Alex Wickha, Ranil Soysa & Asela Dharmadasa

Background

ESRA accredited regional anaesthesia centre with an active research programme. •

Ultrasound machines in most Anaesthetic rooms as well as 3 portable Butterfly devices.

- Simulation station for practice available 24/7 in the Education Office.
- Active research and QI projects with dedicated time built into rota.
- Innovative Regional anaesthesia passport (RAP) training programme for novices. •

Large and enthusiastic faculty including nationally and internationally recognised specialists.

Clinical Aims/ Experience offered

Gain mastery in the delivery of safe and effective perioperative anaesthetic care to patients. Demonstrates the multi-disciplinary leadership, communication and team-working skills necessary to ensure the care delivered benefits both the patient and the organisation.

- Demonstrates ability to perform both lower and upper limb plexus/ regional blocks independently. Truck block experience, including ESP, SA, TAP, epidural and spinal anaesthesia in polytrauma patients

North London SIA Handbook

- Always considers the option of regional anaesthesia in appropriate clinical contexts.
- Regional anaesthesia opportunities are available in most theatres every day: 2-3 trauma/ orthopaedic lists, 1 plastics/ hand surgery list, 1-2 vascular lists, Eye lists and NCEPOD.
- Access to and training in the use of state-of-the-art equipment: Blood vending machines, Optiflow, 4 types of video laryngoscope, fiberoptic scopes, hover mattresses, Belmont rapid infusers, cell salvage, Aisys C2 anaesthetic machines, electronic Anaesthetic records, TIVA and depth of anaesthesia monitoring available in every theatre.

Academic & Management Aims

Join teaching faculty for RAP course.

- Participate in local research and QI initiatives with dedicated time built into rota.
- Submit abstracts to national and international conferences
- Develop evidence-based guidelines for Regional Anaesthesia
- Write business cases for new services (e.g. development of a block room and awake surgery lists) or new equipment.
- Attend an USRA course.
- CV and interview preparation for consultant jobs.

St Mary's Hospital is a busy central London teaching hospital, major trauma centre and quaternary vascular centre. The Anaesthetic department comprises a dynamic group of consultants who are passionate about training with varied interests within and outside the specialty. Our ranks include the current Vice President of the RCoA, several RCoA Council members and two former AAGBI presidents, who bring with them a wealth of experience, wise counsel, and connections. You will leave the department with increased confidence and new clinical & professional skills, feeling ready to start your consultant career. We look forward to welcoming you in the near future.



Charing Cross Hospital

Department of Anaesthesia

SIA Regional Anaesthesia

Clinical Supervisors

Dr Sam Haddad	sam.haddad@nhs.net
Dr Chris Whiten	christopher.whiten@nhs.net
Dr Richard Doyle	richard.doyle2@nhs.net
Dr Colleen Woo	colleen.woo@nhs.net
Dr Anne Tay	anne.tay@nhs.net

Background

- ESRA accredited regional anaesthesia centre with an active research programme.
- Ultrasound machines available for most Anaesthetic rooms as well as 3 portable Butterfly devices.
- Simulation station for practice available 24/7 in the Education room.
- Active research and QI projects with senior support.
- Innovative Regional anaesthesia passport (RAP) training programme for novices.
- Large and enthusiastic faculty including nationally and internationally recognised specialists.

Clinical Aims & Experience

- Demonstrates the ability to perform both lower and upper limb plexus / regional blocks independently. Trunk block experience, including ESP, SA, TAP, epidural and spinal anaesthesia.

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- Always considers the option of regional anaesthesia in appropriate clinical contexts.
- Regional anaesthesia opportunities are available in many theatres daily: e.g. orthopaedic lists, plastics, general, urology, ophthalmology and NCEPOD.

Academic & Management

- Join teaching faculty for RAP course.
- Participate in local research and QI initiatives
- Submit abstracts to national and international conferences
- Develop evidence-based guidelines for Regional Anaesthesia
- Write business cases for new services (e.g., development of a block room and awake surgery lists) or new equipment.
- Attend an USRA course.

General Conditions & Responsibilities

- Full and LTFT posts are available
- The post holder will take part in the senior trainee on call rota alongside the other trainees and fellows, which currently operates at a frequency of 1 in 8, follows a full shift pattern with prospective cover and is European Working Time Directive compliant.
- In addition to elective theatre work, the trainee is expected to cover cardiac arrests, airway and other emergencies and the acute pain service when on call.
- The post will be covered by the arrangements for study leave and supervision that apply to trainees in PMETB approved posts. Study and annual leave are to be taken during weeks when not on call, or sessions moved accordingly.
- There is a strong departmental tradition of performing, presenting, and publishing research and audit projects. The post holder will support developments in education, research, leadership and quality improvement projects within the Trust.

Normal working hours

Stage 3 / Higher, Stage 2 / Intermediate & Fellows (Pager 8844/8189)

Normal Day: 7:30am - 5:30pm (10hrs)

Weekday Long day: 7:30am - 8:30pm

Weekend & Bank Holiday Long Day: 8:00am - 8:30pm

Weekday Nights: 8pm-8am

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Weekends & Bank Holiday Nights: 8pm to 8:30am

Education

The department has a well-established weekly teaching programme from which the trainee can benefit from learning the topical issues and relevant literature. Additionally, a weekly 'Education and Wellbeing opportunities' email is circulated each Sunday evening, which includes events at other Imperial sites.

A Trust-wide CEPD half-day meeting held 6 times a year, often preceded by the Local Faculty Group meeting and a Consultant meeting.

There is an extensive library of recorded teaching sessions available to you on Microsoft Teams. The trainee will additionally have access to all of the general educational resources available on site including:

- Libraries: Departmental Anaesthetic library for quiet study and Imperial College Library on site
- Educational room within the Anaesthetic department. Contains a range of teaching / training equipment.
- Information Technology: Computers in theatres and the anaesthetic department.
- In-hospital Information Technology, Faculty Development and Management training courses organised through the Charing Cross Postgraduate Centre
- UpToDate: is an evidence-based clinical decision support tool. Imperial NHS Trust provides access to [UpToDate.com](https://www.uptodate.com) from all Imperial Trust computers. From there you can confirm your association with the Trust, allowing you to access the resource from your own devices.

Teaching

Teaching is a core component of SIAs and trainees will have opportunities to provide teaching to undergraduates, postgraduates and allied health professionals and are expected to contribute to the weekly departmental teaching programme.

Governance

The Trust adheres to a strict clinical governance programme. Within the directorate there is an active and on-going programme of Governance supported by Dr Preea Gill representing Anaesthesia. There are regular Clinical Governance, Critical Incident and Mortality & Morbidity meetings within the Division of Anaesthesia occurring bi-monthly.

Everyone is expected to participate in Quality Improvement. All QI should be recorded using the LifeQI platform, which will automatically register the project with the Trust QI department. All audit activity should be registered with the audit team by emailing: imperial.audit@nhs.net.

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Clinical Research Opportunities

Trainees will be encouraged to participate in projects under the supervision of a consultant anaesthetist. SIA trainees are also expected to initiate and complete at least one research / quality improvement / audit project and participate in departmental academic activities. There are opportunities to collaborate with ImPART (ImPerial Anaesthesia Research Team), national projects and trainees are encouraged to present their completed work at national or international meetings during the year. A rolling programme of audit meetings takes place supported by Dr Dafydd Lloyd and the post holder is expected to participate in the clinical audit programme.

North London SIA Handbook

SIA: Liver Transplantation and Hepatobiliary Anaesthesia

Royal Free London NHS Trust, Hampstead

Unit Supervisor: Dr Dominik Krzanicki dominik.krzanicki@nhs.net

Faculty of Consultant Liver Transplant Anaesthetists

Dr Mike Spiro Liver ICU, ROFPOR lead
Dr Suehana Rahman Research ROFPOR lead
Dr Clare Melikian
Dr Sally Harrison
Dr Jackie Cooper
Dr Nick Schofield
Dr Duncan Jackson
Dr Viv Hannon
Dr Bryn Williams
Dr Dom Kzranicki, HPB lead
Dr Ravi Mangwiro QI (ROFPAQ) lead
Dr Alex Leigh Education Lead



Duration of post: 6 months

Background

The Department of Anaesthesia & Perioperative Medicine at the Royal Free Hospital by Hampstead Heath, provides high quality perioperative care via a consultant led preoperative assessment clinic, 20 operating theatres and a newly opened post anaesthetic care unit (PACU).

We are a tertiary referral centre for liver and renal transplantation, hepatobiliary cancer, renal cancer, sarcoma, vascular, plastics, hand trauma, colorectal and endocrine surgeries, in addition to interventional radiology and endoscopy, providing a breadth of experience in major complex surgeries both within and beyond the operating theatre.

We are a warm and friendly department and have over 50 consultants with a wide variety of skills and experience, with links to the RCoA, national committees and guidelines groups.

We are committed and to ensuring that our SIA trainees get the most out of their post and will endeavour to welcome you into the team ahead of your start date so that you can hit the ground running with an idea of the projects that await you. We will discuss your learning objectives and personal interests and help you seek out opportunities to achieve your goals during your SIA. Over the course of this SIA you will develop the skills and CV to gain the job you want and a competitive edge. Generic and transferrable skills in anaesthetising complex high-risk patients and experience in the expanding field of peri-operative medicine will make you a sought after consultant colleague.

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Liver Transplantation and HPB surgery

The Royal Free Hospital has over 30 years of experience in adult liver transplantation, with over 2000 performed to date and approximately 130 per year. Although the majority are whole deceased donor grafts, we also undertake domino, split, combined liver kidney and living donor transplantation. The unit is comprised of an army of liver transplant specialists forming a large multidisciplinary team, of which the successful applicants of the SIA posts would be an integral part. In addition, it is one of the largest units in Europe providing major hepatobiliary surgery including hepatic resection, biliary reconstruction and pancreatic surgery. We have in recent months seen the opening of a dedicated Liver ICU, which promises further advances in the delivery of high-quality patient care and specialised training opportunities. This is a popular and well-established fellowship that has been run for over 20 years and is highly regarded and fondly remembered by those who undertake it.

As well as gaining a wide breadth of clinical experience and obtaining highly transferrable skills, SIA trainees will be involved and supported in various departmental activities that are both ongoing and initiated by them based on their developing interests within the field. ERAS4OLT has recently been a highly successful and major international effort, which originated and is run from within our department. This project has focused on enhanced recovery after liver transplantation and has involved the systemic review of a huge breadth of literature by over 30 international expert panels, culminating in a consensus congress to develop evidence-based recommendations. This important work, the first of its kind in this field, has resulted in and will continue to produce multiple peer reviewed articles and inspire many future research projects.

Clinical Experience to be gained

- Surgical/Procedural case mix
 - Adult Liver Transplantation
 - Complex Hepatopancreatobiliary surgery
 - Specialist Interventional Radiology e.g., TIPSS, RFA, portal vein embolization
- Procedures/skills
 - Perioperative TransOesophageal ECHO (TOE)
 - Pulmonary Artery Catheter Flotation and interpretation
 - Point of care haemostatic testing interpretation and use within our dedicated point of care lab attached to the liver transplant theatre (TEG 6, Platelet mapping)
 - Cell salvage
 - Perioperative management of massive haemorrhage including use of rapid infusion devices
 - Analgesia for major abdominal surgery including neuraxial and truncal blocks
- Additional clinical activities
 - Preoperative care
 - Liver transplant candidate assessment and risk stratification
 - Prehabilitation for major surgery
 - MDTs
 - Liver Transplant Listing Meeting
 - Liver Transplant Morbidity and Mortality meetings

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- HPB Morbidity and Mortality meetings
 - High risk perioperative MDT
- Clinics
 - Transplant Hepatology Clinic (anaesthesia input and prehabilitation of high-risk candidates)
 - Preassessment clinic for major HPB surgery
- On-call commitments
 - Non-resident 1 in 5 on call cover in liver transplantation
 - Direct consultant supervision for all major HPB cases and liver transplants

Other activities

Research

- The Royal Free has a proven track record for research and innovation and has presented and published widely as part of the Royal Free PeriOperative Research (ROFPOR) group.
- Trainees are encouraged to get involved with existing and novel projects based on their interests.

QI & Service development

- The Royal Free Perioperative Audit and Quality improvement (ROFPAQ) group is active, meeting regularly and supporting fellows to seek out meaningful relevant projects to positively impact perioperative patient care. The department is applying for ACSA accreditation and consequently there are a wealth of related projects available to trainees. Previous QI projects relating to PBM, patient experience, ERAS to name a few, have been published and presented at a range of National and International meetings.
- With the opening of the Liver ICU and PACU there are ample opportunities to gain experience in writing and evaluating guidelines and patient pathways

Leadership and management

- SIA trainees will have opportunities to attend relevant management meetings
- This SIA is an opportunity to step up to appreciate the extended role of the consultant, engage with management at an organisational level and gain a deeper understanding of a regional tertiary service.

Teaching

- The department has an active timetable of Friday morning meetings, journal clubs, coffee club, clinical governance and audit meetings
- HPB Teaching/Journal club once a fortnight
 - Presentation of topics of interest including surgical considerations and technique, cardiovascular and pulmonary disease in liver cirrhosis, viscoelastic testing and the coagulopathy of liver disease, the role of the transplant coordinator, enhanced recovery after liver transplantation.
- Additional opportunities to be involved in the design and delivery of multidisciplinary teaching courses and simulation at a local and regional level

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Conferences regularly attended and presented at by the RFH Liver Transplant Anaesthesia team

- International Liver Transplant Society Annual Congress
- Liver Intensive Care and Anaesthesia Group Europe (LICAGE) Annual meeting
- NATA Annual Symposium (Network for the Advancement of Patient Blood Management, Haemostasis and Thrombosis)
- BLTG (British Liver Transplant Group) Annual Meeting

Testimonials

The liver transplant fellowship prepared me for a consultant role in a major trauma centre. I gained independent expertise in managing massive transfusion, coagulopathy and intraoperative reperfusion physiology and perhaps most importantly in preoperative assessment and optimisation of complex patients for complex major surgery. It was the most enjoyable job I did in training!

I recently completed the six-month HPB fellowship at Royal Free. It offered a clinically focussed experience, which allowed me to develop skills for not only HPB surgery, but anaesthesia for all major surgery. The learning curve is initially steep, but the job is wonderfully supported by a small group of HPB consultant anaesthetists. Equally, it is a small trainee rota (there are five fellows), which is run in a bespoke manner with non-resident on-call for liver transplant. This not only offers the benefit of being able to take annual leave, study leave and EDT-time with ease, but also means the clinical work is purely HPB-orientated and does not involve missing weeks due to a general on-call commitment. The nature of non-resident on-call felt akin to consultant working and the ability to become familiar with doing regular lists. By the end of the fellowship, you are encouraged to undertake major HPB cases with departmental supervision, should you wish to do so. There is opportunity to contribute to research projects during the fellowship, as well as attending regular fellowship specific teaching afternoons. Other clinical opportunities include conducting outpatient pre-operative assessment of potential liver transplant recipients, attending transplant MDT, developing skills in point-of-care testing and basic transoesophageal echocardiography. Overall, the job offered a fantastic training opportunity in an enthusiastic and supportive department. I cannot recommend it highly enough.

North London SIA Handbook

SIA: Liver Transplantation, Hepatobiliary Anaesthesia and perioperative medicine + Quality and Safety/Research

Royal Free London NHS Trust, Hampstead

Unit Supervisors & Research Leads: Dr Suehana Rahman Suehana.rahman@nhs.net, Dr Mike Spiro michaelspiro@nhs.net

Faculty of Consultant Liver Transplant Anaesthetists

Dr Mike Spiro Liver ICU, ROFPOR lead
Dr Suehana Rahman Research ROFPOR lead
Dr Clare Melikian
Dr Sally Harrison
Dr Jackie Cooper
Dr Nick Schofield
Dr Duncan Jackson
Dr Viv Hannon
Dr Bryn Williams
Dr Dom Krzanicki, HPB lead
Dr Ravi Mangwiro QI (ROFPAQ) lead
Dr Alex Leigh Education Lead



Duration of post: 12 months

Background

The Department of Anaesthesia & Perioperative Medicine at the Royal Free Hospital by Hampstead Heath, provides high quality perioperative care via a consultant led preoperative assessment clinic, 20 operating theatres and a newly opened post anaesthetic care unit (PACU).

We are a tertiary referral centre for liver and renal transplantation, hepatobiliary cancer, renal cancer, sarcoma, vascular, plastics, hand trauma, colorectal and endocrine surgeries, in addition to interventional radiology and endoscopy, providing a breadth of experience in major complex surgeries both within and beyond the operating theatre.

We are a warm and friendly department and have over 50 consultants with a wide variety of skills and experience, including links to the RCoA, national committees and guideline working groups.

We are committed and to ensuring that our SIA trainees get the most out of their post and will endeavour to welcome you into the team ahead of your start date so that you can hit the ground running with an idea of the projects that await you. We will discuss your learning

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objectives and personal interests and help you seek out opportunities to achieve your goals during your SIA. Over the course of this SIA you will develop the skills and CV to gain the job you want and a competitive edge. Generic and transferrable skills in anaesthetising complex high-risk patients and experience in the expanding field of peri-operative medicine will make you a sought after consultant colleague.

Liver Transplantation and HPB surgery

The Royal Free Hospital has over 30 years of experience in adult liver transplantation, with over 2000 performed to date and approximately 130 per year. Although the majority are whole deceased donor grafts, we also undertake domino, split, combined liver kidney and living donor transplantation. The unit is comprised of an army of liver transplant specialists forming a large multidisciplinary team, of which the successful SIA applicants would be an integral part. In addition, it is one of the largest units in Europe providing major hepatobiliary surgery including hepatic resection, biliary reconstruction and pancreatic surgery. We have in recent months seen the opening of a dedicated Liver ICU, which promises further advances in the delivery of high-quality patient care and specialised training opportunities. This is a popular and well-established fellowship that has been run for over 20 years and is highly regarded and fondly remembered by those who undertake it.

As well as gaining a wide breadth of clinical experience and obtaining highly transferrable skills, SIA trainees will be involved and supported in various research activities that are both ongoing and initiated by them based on their developing interests within the field. ERAS4OLT has recently been a highly successful and major international effort, which originated and is run from within our department. This project has focussed on enhanced recovery after liver transplantation and has involved the systemic review of a huge breadth of literature by over 30 international expert panels, culminating in a consensus congress to develop evidence-based recommendations. This important work, the first of its kind in this field, has resulted in and will continue to produce multiple peer reviewed articles and inspire many future research projects.

Clinical Experience to be gained

- Surgical/Procedural case mix
 - Adult Liver Transplantation
 - Complex Hepatopancreatobiliary surgery
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 - Cell salvage
 - Perioperative management of massive haemorrhage including use of rapid infusion devices
 - Analgesia for major abdominal surgery including neuraxial and truncal blocks

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- Additional clinical activities
 - Preoperative care
 - Liver transplant candidate assessment and risk stratification
 - Prehabilitation for major surgery
 - MDTs
 - Liver Transplant Listing Meeting
 - Liver Transplant Morbidity and Mortality meetings
 - HPB Morbidity and Mortality meetings
 - High risk perioperative MDT
 - Clinics
 - Transplant Hepatology Clinic (anaesthesia input and prehabilitation of high-risk candidates)
 - Preassessment clinic for major HPB surgery
- On-call commitments
 - Non-resident 1 in 5 on call cover in liver transplantation
 - Direct consultant supervision for all major HPB cases and liver transplants

QI/Research Experience

- Dedicated QI/research experience within post
- Regular responsive meetings with supervisor
- QI/Research focus on anaesthesia for liver transplantation, but also on perioperative aspects of major surgery
- Participation in on-going projects, but also opportunity to develop own ideas and interests
- Projects encompassing QI, guideline development, original research, education and simulation

At the end of your 12-month SIA you have the potential to get HPB, perioperative medicine and QI/Research domains signed off.

Other activities-

- Teaching
 - HPB Teaching/Journal club once a fortnight
 - Presentation of topics of interest including surgical considerations and technique, cardiovascular and pulmonary disease in liver cirrhosis, viscoelastic testing and the coagulopathy of liver disease, the role of the transplant coordinator, enhanced recovery after liver transplantation
 - Additional opportunities to be involved in the design and delivery of multidisciplinary teaching and simulation courses at a local and regional level
- Conferences regularly attended and presented at by the RFH Liver Transplant Anaesthesia team
 - International Liver Transplant Society Annual Congress
 - Liver Intensive Care and Anaesthesia Group Europe (LICAGE) Annual meeting

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- NATA Annual Symposium (Network for the Advancement of Patient Blood Management, Haemostasis and Thrombosis)
- BLTG (British Liver Transplant Group) Annual Meeting

Testimonials

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SIA: Vascular Anaesthesia & Perioperative medicine

Royal Free London NHS Trust, Hampstead

Unit Supervisor: Dr Nick Schofield

n.schofield@nhs.net

Unit Faculty of Consultant Vascular Anaesthetists

Dr Marta Campbell Lead for POA

Dr Louisa Shovel Lead for MILE and prehabilitation

Dr Ciara Donohue Vascular and POA

Dr Alexa Strachan Vascular, POA, TOE

Dr Oma Dulan Vascular, Regional

Dr Belinda Chieng Vascular, Regional

Dr Anish Amlani, Vascular, Regional

Dr Mike Spiro, Research ROFPOR lead

Dr Suehana Rahman Vascular, Research ROFPOR lead

Dr Craig Lyness Vascular, PACU lead

Dr Sandi Wylie Vascular, Divisional lead

Dr Ravi Mangwiro QI (ROFPAQ) lead

Dr Lasitha Abeysundara, Vascular, POA, MDT, Simulation lead

Dr Alex Leigh Education Lead



Duration of post 6 months

Background

The Royal Free is a tertiary referral centre for liver and renal transplantation, hepatobiliary cancer, renal cancer, sarcoma, vascular, plastics, hand trauma, colorectal and endocrine surgeries, in addition to interventional radiology and endoscopy, providing a breadth of experience in major complex surgeries.

We are a warm and friendly department perched on the edge of Hampstead Heath and have over 50 consultants with a wide variety of skills and experience, with links to the RCoA and national committees and guidelines groups.

We are committed to ensuring that our SIA trainees get the most out of their post and will endeavour to welcome you into the team ahead of your start date so that you can hit the ground running with an idea of the projects that await you. We will discuss your learning objectives and personal interests and help you seek out opportunities to achieve your goals during your SIA. Over the course of this SIA you will develop the skills and CV to gain the job you want and a competitive edge. Generic and transferrable skills in anaesthetising complex high risk vascular patients and experience in the expanding field of peri-operative medicine will make you a sought-after consultant colleague.

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About the Vascular service

In April 2012 The Royal Free Hospital was designated The North Central London Vascular Centre with the aim of providing a world-class vascular service for the benefit of the populations of North London, Essex, Hertfordshire and the south of England. This was followed in January 2013 by the NHS Commissioning Board making The Royal Free Hospital a specialist centre for complex endovascular stent grafts and the management of abdominal aortic aneurysms in high-risk patients. As a result, a multidisciplinary complex aorta team (CAT) has developed and the team is involved at all points in the delivery of care to these patients.

The North London Vascular Centre is now also responsible for the treatment of teenage and adult vascular malformations receiving tertiary referrals from across the UK and abroad. There is a 24/7 emergency vascular service for ruptured or leaking aneurysms requiring open or endovascular repair. Thus, patients are regularly transferred from other hospitals for vascular assessment and surgery.

Due to the extensive and complex nature of vascular surgery at the Royal Free Hospital we now have a dedicated team of vascular anaesthetists. There are 5 full day vascular lists per week to cover, consultant led vascular pre-assessment clinics for high risk and all complex patients, weekly MDT meetings, and a host of teaching, audit and research activities. Given the intensity, diversity and complex nature of our work and our patients we believe there is a host of training opportunities to be had by an advanced vascular anaesthesia trainee.

Clinical aims

- Experience in the delivery of safe and effective perioperative anaesthetic care to patients undergoing simple and complex aortic aneurysm repair (open, EVAR & FEVAR), carotid endarterectomy, peripheral revascularisation surgery, amputation, AV malformations and emergency surgery
- Management of complex cases demonstrating multi-disciplinary leadership, effective communication and team working skills
- SIA trainees will receive dedicated supervision in pre-operative assessment, risk stratification, counselling and consenting and pre-optimisation.
- Trainees will play a vital role in the Complex Aortic Team and high-risk perioperative MDTs, presenting at meetings and becoming increasingly confident in shared decision making
- An exciting prehabilitation programme (MILE) has been introduced with extensive opportunities for involvement and innovation in a variety of roles
- Support and expert supervision will be provided with the aim of developing confidence, leadership potential and independent clinical practice.

Practical procedures and additional skills

- Vascular access techniques
- Insertion and management of spinal drains for spinal cord protection

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- One lung anaesthesia for sympathectomies
- Regional techniques and training with the acute pain team:
 - Superficial cervical plexus blocks for carotid endarterectomy
 - Spinal blocks, epidural anaesthesia and combined spinal & epidurals (CSE)
 - Fascia iliaca blocks for femoral endarterectomies/reconstructions
 - Various lower limb blocks for amputations (femoral, popliteal, sciatic, ankle)
 - Upper limb blocks for renal vascular access
- Confidence in major blood loss surgery and patient blood management
 - Rapid infusion devices
 - Cell salvage
 - Viscoelastic testing and interpretation
 - Platelet mapping
- Perioperative TOE for non-cardiac surgery
- Risk stratification and CPET interpretation

Out of hours work will normally be as part of the senior SpR rota with a 1:8 commitment. The rota is bespoke to accommodate individual leave requests.

Non clinical aims:

The SIA trainee will receive expert supervision and dedicated time to get involved in a variety of projects through which to gain a deeper appreciation for the subspecialty and service. There is an expectation that you will complete a QI project, lead on service and pathway development and contribute to teaching. There are opportunities to be involved in research if desired.

Trainees are expected to become members of the VASGBI and attendance and presentation of project work at this annual international meeting is strongly encouraged.

QI & Service development

The Royal Free Perioperative Audit and Quality improvement (ROFPAQ) group is active, meeting regularly and supporting trainees to seek out meaningful relevant projects to positively impact perioperative patient care. The department is applying for ACSA accreditation and consequently there are a wealth of related projects available to trainees. Previous QI projects relating to PBM, patient experience, ERAS to name a few, have been published and presented at a range of National and International meetings.

Teaching and education

SIA trainees will be involved with designing and delivering teaching to the MDT (juniors, preassessment and PACU teams). There is potential to be involved with in situ simulation training. You will be faculty for the Regional Vascular Study Days and other in-house courses including Regional Anaesthesia for Vascular Surgery (Block of the Week) and Perioperative TOE depending on your interests.

The department has an active timetable of Friday morning meetings, journal clubs, coffee club, HPB teaching, clinical governance and audit meetings.

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Research

The Royal Free has a proven track record for research and innovation and has presented and published widely as part of the Royal Free PeriOperative Research (ROFPOR) group. There are a number of vascular anaesthesia and perioperative research projects underway that have attracted successful grant funding including from the National Institute of Academic Anaesthesia and VASGBI, to undertake a multicentre trial in pre-operative anaemia, and single centre study to look at the effects of heparin in complex endovascular surgery.

Enthusiastic candidates are likely to get several non-clinical stage 3 domains signed off in addition to their SIA units (Professional Behaviours & Communication, Management & Professional & Regulatory Standards, Safety & QI, Education & Training, Research & managing data, Team working).

This SIA is an opportunity to step up to appreciate the extended role of the consultant, engage with management at an organisational level and gain a deeper understanding of a regional tertiary service.

Testimonials

If, like me, you enjoy coming into work, introducing yourself to some real ASA “three and a half” patients and then anaesthetising them for major complex surgery, then focusing on Vascular at the Royal Free would be a great job for you.

It’s an excellent set up to learn and develop in; with a host of brilliant consultants eager to support you across emergency and elective work, regional anaesthesia, pain management and the perioperative care of this challenging but charming cohort of patients.

From the elective open AAA in the day time to the little toe amputations at night I felt exposed to a full range of the specialty, and was supported in developing my own independent practice from day one. A great job.

St Mary's Hospital SIA Vascular

Imperial College Healthcare NHS Trust

VASCULAR ANAESTHESIA Module Supervisor(s):

Drs Sadie Syed, Nathalie Courtois, Emma James & Pete Williamson

College Tutors-

Asela Dharmadasa asela.dharmadasa@nhs.net

Pete Williamson peter.williamson3@nhs.net

Background

- Quaternary referral centre for open and endovascular aortic work
- Dedicated hybrid theatre and interventional radiology suite
- Active research and QI projects with dedicated administrative time
- Large and enthusiastic vascular team including nationally and internationally recognised specialists
- Two all day vascular lists run in theatre most days, as well emergency work. Clinical Aims/ Experience offered Gain mastery in the delivery of safe and effective perioperative anaesthetic care to these patients. Demonstrates the multi-disciplinary leadership, communication, and team-working skills necessary to ensure that the care delivered benefits both the patient and organisation.
- Elective and open aortic aneurysm repairs
- Endovascular aneurysm repairs

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- Ultrasound guided regional anaesthesia for carotid endarterectomies and extremity work (including catheter techniques).
 - Management of major haemorrhage
 - Attendance at vascular MDTs and vascular pre-operative assessment clinics.
 - Access to and training in the use of state-of-the-art equipment: Blood vending machines, Optiflow, 4 types of video laryngoscope, fiberoptic scopes, hover mattresses, Belmont rapid infusers, 12 ultrasound machines, cell salvage, Aisys C2 anaesthetic machines, electronic Anaesthetic records, TIVA and depth of anaesthesia monitoring available in every theatre. Academic & Management Aims
 - Teach vascular anaesthesia to junior trainees • Participate in local research and QI initiatives with dedicated time built into rota.
 - Submit abstracts to national and international conferences • Develop evidence-based guidelines for vascular anaesthesia
 - Write business cases for new services or new equipment.
 - CV and interview preparation for consultant jobs
- St Mary's Hospital is a busy central London teaching hospital, major trauma centre and quaternary vascular centre. The Anaesthetic department comprises a dynamic group of consultants who are passionate about training with varied interests within and outside the specialty. Our ranks include the current Vice President of the RCoA, several RCoA Council members and two former AAGBI presidents, who bring with them a wealth of experience, wise counsel and connections. You will leave the department with increased confidence and new clinical & professional skills, feeling ready to start your consultant career. We look forward to welcoming you in the near future.

The Royal London Hospital Peri-Operative Medicine and Vascular SIA

Module Lead:

Mevan.goonaratne@nhs.net

Background:

- The Royal London Hospital is a tertiary centre with a wide variety of specialties and an abundance of opportunity to learn and develop skills in peri-operative medicine.
- As the regional centre for complex vascular surgery in the North East London network, this site provides trainees wishing to complete an SIA in peri-operative medicine with ample opportunities to develop their skills in the peri-operative care of the complex patient undergoing major surgery.
- We have a group of committed peri-operative physicians who have completed national and international fellowships, and are committed to the delivery of safe, patient-centred care throughout the peri-operative journey.
- We have a strong track record of success in education and research, having spoken and published data nationally and internationally about our experiences at The Royal London. We therefore feel that we are ideally placed to provide an Advanced Training Module in Peri-Operative Medicine to complement this.
- Additionally, the development of competencies in peri-operative care by definition necessitates experience in the intra-operative management of these patients. As such, this module is paired with an SIA in Vascular Anaesthesia.

Training Opportunities

Vascular Surgery

- Provide comprehensive peri-operative care for patients undergoing complex vascular procedures, including open aortic surgery, carotid surgery and major endovascular surgery
- Conduct a thorough pre-assessment for vascular surgery and ensure the patients and optimally prepared for the procedure.
- Attend and actively contribute to the vascular MDT and assist in shared decision-making regarding treatment options in vascular surgery.
- Become proficient in the conduct of anaesthesia for vascular surgery, including:
- Develop skills in the management of massive blood transfusion
- Gain experience in thoracic aortic surgery in partnership with St Barts Hospital
- Develop proficiency in regional anaesthetic techniques pertinent to vascular surgery.
- Gain expertise in the long-term, holistic clinical management of patients. This includes the pre-operative, intra-operative and post-operative period
- Develop the communication, leadership, and management skills to support patients in shared-decision making for high-risk surgery

Pre-Assessment Clinic

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- RLH has a consultant-led pre-assessment clinic every day; with Mondays, Tuesdays, and Wednesdays in particular focused on reviewing patients who might benefit from cardio-pulmonary exercise testing.
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- Trainees would be expected to:
- Gain competence and confidence in independently reviewing a high-risk patient for complex surgery
- Gain familiarity with the principles of cardiopulmonary exercise testing
- Gain familiarity with the core principles of prehabilitation and their implementation
- Develop the leadership and management skills needed to run a pre-assessment clinic independently
- Develop the communication skills necessary for effective cross-specialty working to optimise high-risk patients for complex surgery

Peri-Operative Medicine MDT

- There is a weekly MDT attended by peri-operative physicians from multiple specialties.
- Trainees would be expected to:
- Develop skills to present high-risk patients to the multi-disciplinary team
- Follow-up patients throughout their peri-operative journey

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Lead Supervisors: Dr Wint Mon (wint.mon@nhs.net)
Dr Michelle Cole (michelle.cole13@nhs.net)
Dr Becky Black (becky.black1@nhs.net)

The UCLH Bariatric Centre for Weight Management and Metabolic Surgery is one of the largest obesity and bariatric centres in the country. We carry out over 300 bariatric procedures a year including laparoscopic sleeve gastrectomy, laparoscopic one anastomosis gastric bypass (OAGB), Roux en Y gastric bypass (RYGB), single anastomosis duodeno-ileal bypass (SADI) and revisional procedures. We have well established bariatric enhanced ward care pathway and fast track pathway. We are pleased to offer a six-month 'Anaesthesia for bariatric surgery' SIA module. This SIA can also be offered as part of a year-long post in combination with SIA placements in Anaesthesia for Major General Surgery and Perioperative Medicine, and Anaesthesia for Thoracic Surgery.

SIA Aims: Provide mastery in anaesthesia for bariatric surgery and involvement in the multi-disciplinary management of obesity

Clinical Opportunities

Clinical opportunities include:

- Anaesthesia for bariatric surgery
- Anaesthesia for anti-reflux surgery – Our bariatric surgeons have a pathway for patients with lung transplant who require anti-reflux surgery
- Bariatric medicine clinics
- MDT educational sessions
- Bariatric MDT meetings

QI and Pathway development projects

The department strongly supports innovative projects to assess and analyse current practises and improve patient outcomes in a wide variety of pre- and post-operative settings. Trainees are encouraged and supported to lead on these projects, and then are facilitated to present and publish outcomes from them.

As examples, recent and upcoming projects include:

- Development of new pathway to identify and manage perioperative patients with OSA
- Introduction and piloting of video consultations in pre-assessment
- Short stay bariatric surgery pathway

Interested applicants are encouraged to make contact to discuss opportunities further.

Bariatric Anaesthesia SIA

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Homerton University Hospital

Homerton Hospital is one of the busiest bariatric centres in the country, with approximately 20-30 pre-operative referrals per week with over 200 bariatric surgeries a year. Currently we have a bariatric list every day in Main Theatres.

All of the anaesthetic consultants in the department flexibly cover the bariatric lists. There is a good teamworking relationship with the bariatric surgeons as well as the rest of the allied healthcare professionals within the bariatric team to ensure excellent perioperative care. Patients are admitted on the day of surgery with a plan for discharge on day 1 post-operatively. We have a minimal access surgery theatre where elective bariatric work usually takes place. Most patients can be admitted to the surgical ward post-operatively, but we have close links with the intensive care unit if high dependency care is necessary.

The aim of this SIA is to develop the skills and experience in management of patients presenting for bariatric surgery as well as a robust understanding and experience in the perioperative processes in optimising these patients. The post will leave the holder confident and experienced in the management of morbidly obese patients presenting for both bariatric and non-bariatric surgery, and in the communication skills necessary to ensure rigorous consent and risk stratification for these patients. This post should enable the holder to take up a consultant post with a subspecialty interest in Bariatric anaesthesia, or as Obesity Lead (a position which is a recommendation for all anaesthetic departments by the Association).

- **Supervisor:** Dr Lauren Barraclough

Clinical Aims and Experience

- Exposure to a range of bariatric surgical procedures, including gastric bypass, sleeve gastrectomy, revision bariatric surgery and two-stage procedures.
- Initially you will be supervised in theatre, but this will be with increasingly distant supervision with an aim to manage an elective bariatric case independently with no supervisor involvement towards the end of your placement.
- There is a Bariatric MDT weekly on a Wednesday, which you will have the opportunity to attend at least twice during a six-monthly fellowship. It is attended by the lead bariatric anaesthetist, bariatric surgeons, a metabolic consultant physician and the allied healthcare team including

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psychologists, physiotherapists, and dieticians. All patients must go through the MDT process prior to being approved for surgery.

- As part of the surgical work-up you will learn to provide risk stratification to patients with obesity related complications as part of a robust consent process.
- Development of skills to interpret investigations relevant to risk stratification for the bariatric surgical patient, specifically including sleep studies.
- Techniques for safe management of the bariatric airway, including high flow nasal oxygen, video laryngoscopy and CPAP.
- Techniques of utilization of obesity-specific equipment including hover mattress, ultrasound-guided intravenous access and long arterial line.

Academic/ Management Aims

- Supported to get up to date GCP training and encouraged to take part in ongoing clinical research opportunities across the department and within the bariatric team.
- During your fellowship you should lead a project (research, audit, quality improvement). There will be non-clinical time allocated for this. You will be supported to prepare abstracts, papers, letters and scientific posters and to present these nationally and internationally, particularly in collaboration with the multidisciplinary team.
- Encouraged to attend Bariatric Anaesthesia meetings, including the Society for Obesity and Bariatric Anaesthetists (SOBA) meetings, and multidisciplinary BOMSS (British Obesity and Metabolic Surgery Society) opportunities.
- Supported to take an active role in Quality Improvement projects and writing local guidelines.

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- There is the freedom to carry out a project focusing on your own interests or work collaboratively with the surgical colleagues in ongoing work. There are experienced mentors within the department.
 - Current areas of interest are developing and implementation of Enhanced Recovery after Bariatric Surgery (ERABS), improving perioperative strategies in management of poorly controlled diabetes in the bariatric population, minimising extended post-operative admission.
- Encouraged to develop skills in Patient Safety, including investigating/ responding to a complaint and investigating a clinical incident/ preparing a Root Cause Analysis with consultant support.
- Attend management meetings including the 'Big MDT' (held quarterly) to gain experience in the logistical and managerial challenges in providing a bariatric service.
- Opportunity to shadow other members of the allied healthcare professional team to develop a holistic understanding of the pre-operative pathway for bariatric surgical patients.

Other opportunities

- Opportunities to coordinate teaching programs about care of the obese patient to novice anaesthetists, the Theatre team and/or Recovery staff
- Opportunities in other sub-specialties relevant to obesity anaesthesia;
 - The on-call responsibility will be in our busy obstetric unit which has a large proportion of high-risk patients, particularly with very high BMI. You will have the opportunity to learn spine ultrasound for effective epidural/spinal placement and work together with the obstetric MDT in ensuring optimal care for these patients.
 - You will have the opportunity to attend the high BMI antenatal clinic (held monthly) and attend consultant preassessment clinic for high-risk surgical patients.
- Departmental teaching:
 - Protected teaching every Friday morning; opportunity to present ongoing work in subspecialty area of interest.

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SIA: Perioperative medicine & Major General Surgery

Royal Free London NHS Trust, Hampstead

Unit Supervisor: Dr Marc Wittenberg

Marc.wittenberg@nhs.net

Unit Faculty of Consultant Anaesthetists

Dr Marta Campbell Lead for POA
Dr Louisa Shovel Lead for MILE and prehabilitation
Dr Marc Wittenberg Renal Transplant lead
Dr Dominik Krzanicki HPB Lead
Dr Ciara Donohue Colorectal Lead
Dr Nick Schofield, Vascular, TOE
Dr Alexa Strachan ACSA, TOE
Dr Rebecca Flower ACSA
Dr Pippa Pemberton Acute Pain Lead
Dr Sanjoy Saha NELA Lead
Dr Craig Lyness Renal cancer & PACU lead
Dr Suehana Rahman Research (ROFPOR) lead
Dr Michael Spiro Research (ROFPOR) lead and ERAS
Dr Ravi Mangwiro QI (ROFPAQ) lead
Dr Lasitha Abeysundara Simulation lead
Dr Alex Leigh Education Lead



Duration of post: 6 months

Background

The Department of Anaesthesia & Perioperative Medicine at the Royal Free Hospital by Hampstead Heath, provides high quality perioperative care via a consultant led preoperative assessment clinic, 20 operating theatres and a newly opened post anaesthetic care unit (PACU).

We are a tertiary referral centre for liver and renal transplantation, hepatobiliary cancer, renal cancer, sarcoma, vascular, plastics, hand trauma, colorectal and endocrine surgeries, in addition to interventional radiology and endoscopy, providing a breadth of experience in major complex surgeries both within and beyond the operating theatre.

The hepatobiliary service performs about 130 liver transplants per year. In addition, it is one of the largest units in Europe providing major hepatobiliary surgery including hepatic resection, biliary reconstruction and pancreatic surgery. The renal transplant service performs about 150 renal transplants per year, both live and cadaveric, and was one of the busiest units in London during the COVID pandemic.

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The renal cancer service is the largest in the UK and the Royal Free is an accredited training centre for robotic urological surgery with over 400 cases per year. The regional endocrine service supports surgery for thyroid, parathyroid, neuroendocrine and adrenal surgery, including phaeochromocytoma excision. The Royal Free is also a major regional hub for vascular surgery.

We are a warm and friendly department and have over 50 consultants with a wide variety of skills and experience, with links to the RCoA and national committee and guidelines groups.

We are committed to ensuring that our SIA trainees get their most out of their post and will endeavour to welcome you into the team ahead of your start date so that you can hit the ground running with an idea of the projects that await you. We will discuss your learning objectives and personal interests and help you seek out opportunities to achieve your goals during your SIA. Over the course of this SIA you will develop the skills and CV to gain the job you want and give you a competitive edge. Generic and transferrable skills in anaesthetising complex high-risk patients and experience in the expanding field of peri-operative medicine will make you a sought-after consultant colleague.

Clinical aims

- Experience in the delivery of safe and effective perioperative anaesthetic care to patients undergoing complex major surgical lists, e.g., vascular, renal cancer and transplant, HPB, colorectal or endocrine (NET, thyroid, adrenal surgery)
- Management of complex cases demonstrating multi-disciplinary leadership, effective communication and team working skills.
- SIA trainees will receive dedicated supervision in pre-operative assessment, frailty assessment, risk stratification, counselling and consenting and pre-optimisation.
- SIA trainees will play a vital role in the high-risk perioperative MDTs, presenting at meetings and becoming increasingly confident in shared decision making.
- An exciting prehabilitation programme (MILE) has been introduced with extensive opportunities for involvement and innovation in a variety of roles.
- Attendance at relevant clinics will enrich perioperative education eg. Endocrine & NET clinics, care of the elderly preoptimisation clinics.
- Focused post-operative inpatient ward rounds with perioperative medical consultants, on the surgical ICU and newly opened PACU.
- Active engagement with the acute inpatient pain team to enhance breadth of experience in post operative pain assessment, perioperative analgesic techniques, regional anaesthesia and use of wound catheters.
- Support and expert supervision will be provided with the aim of developing confidence, leadership potential and independent clinical practice.

Practical procedures and additional skills

- Risk stratification and CPET interpretation
- Perioperative TOE for non-cardiac surgery
- Regional techniques and training with the acute pain team

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- Confidence in major blood loss surgery and patient blood management
 - IV iron for perioperative anaemia
 - Rapid infusion devices
 - Cell salvage
 - Viscoelastic testing and interpretation
 - Platelet mapping

Out of hours work will normally be as part of the senior SpR rota with a 1:8 commitment. The rota is bespoke to accommodate individual leave requests.

Non clinical aims:

SIA trainees will have one session (half day) per week dedicated to non-clinical activities. The focus will be on gaining experience in leadership, management, QI and service development. These will be closely mapped to the RCoA curriculum.

QI & Service development

In order to ensure that the post is utilised to its maximum potential, trainees will work on existing projects and be expected to ensure that successive SIA trainees are able to start on a project as soon as they commence in post. Additional support will be provided by the Royal Free Perioperative Audit and Quality improvement (ROFPAQ) group and ACSA accreditation team.

Previous QI projects relating to Renal transplant, perioperative goal directed fluid therapy, ERAS, PBM, prehabilitation and patient experience to name a few, have been published and presented at a range of National and International meetings.

SIA trainees may be involved with national projects including NELA and PQIP.

Teaching and education

SIA trainees will be involved with designing and delivering teaching to the MDT (juniors, preassessment and PACU teams). There is potential to be involved with in situ simulation training.

The department has an active timetable of Friday morning meetings, journal clubs, coffee club, HPB teaching, Block of the Week teaching, regular clinical governance and audit meetings.

We will endeavor to support trainees wishing to undertake an MSc/diploma/certification in perioperative medicine.

Research

The Royal Free has a proven track record for research and innovation and has presented and published widely as part of the Royal Free PeriOperative Research (ROFPOR) group. Trainees might be involved with recruitment and consent for major surgery patients being enrolled in ongoing multi-centre perioperative trials, in writing ethics proposals, data collection, abstract writing, presentation and publication. Participation in the Good Clinical Practice training course will be encouraged.

Leadership and Management

Trainees will be welcome to

- Shadow clinical and non-clinical leaders

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- Attend risk management and patient safety meetings
- Undertake shared learning projects

Enthusiastic candidates are likely to get several non-clinical stage 3 domains signed off in addition to their SIA units (Professional Behaviours & Communication, Management & Professional & Regulatory Standards, Safety & QI, Education & Training, Research & managing data, Team working).

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Anaesthesia for Major General Surgery and Perioperative Medicine University College London Hospitals

Lead Supervisors: Dr Abigail Whiteman (abigail.whiteman@nhs.net)
Dr Wint Mon (wint.mon@nhs.net)

UCH provides surgical treatment for many high risk, complex cancer patients making it an ideal site to undertake an SIA placement in major general surgery and perioperative medicine. The department has long been at the forefront of the change to embrace more perioperative medicine, and now offers an exciting range of clinical opportunities, as well as QI and educational opportunities, in this area.

We are pleased to offer a six-month 'Major General and Perioperative Medicine' SIA. This position can be a combined placement in both areas, or more tailored towards one specialty depending on the interest of the trainee.

SIA Aim: Provide mastery in all the surgical specialties identified in the RCoA SIA Major General Curriculum, underpinned by extensive practical perioperative medicine experience. Dedicated educational development time and financial support to undertake the UCL Postgraduate Certificate in Perioperative Medicine will ensure rich opportunities in the non-clinical domains.

Clinical Opportunities

Clinical opportunities within anaesthesia for major general surgery include:

- Major urological, gynaecological, and general robotic surgery
- Major gynae-oncological surgery
- Upper GI surgery including oesophagectomies and gastrectomies
- Major thoracic surgery
- Bariatric surgery
- Major endocrine surgery

Clinical opportunities within perioperative medicine include:

- Orthopaedic combined anaesthetic and geriatrician high risk clinic (COMPAC)
- One-stop radical cystectomy clinics including enhanced recovery school and CPET
- Supervised and solo sessions within a busy general pre-assessment clinic
- Gynae-oncology shared decision-making clinic
- Bariatric MDT meetings
- Specialty pre-assessment clinics: thoracic, urology, head and neck
- Supervised and solo sessions within a busy general pre-assessment clinic
- NELA post-operative ward rounds
- Short secondments to the Post Anaesthetic Care Unit supervised by Professor David Walker and the perioperative team
- Observation and interpretation of cardio-pulmonary exercise testing

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Non-clinical Opportunities

QI and Pathway development projects

The department strongly supports innovative projects to assess and analyse current practises and improve patient outcomes in a wide variety of pre- and post-operative settings. Trainees are encouraged and supported to lead on these projects, and then facilitated to present and publish outcomes from them.

As examples, recent and upcoming projects include:

- Standardising cognitive assessment in PAC and setting up a pathway for surgical patients with known cognitive impairment
- Introducing the 'POPS' model perioperative care for colorectal patients
- Development of new pathway to identify and manage perioperative patients with OSA
- Retrospective data analysis linking surgical outcomes to good pre-assessment in robotic surgery
- Use of EPIC data to analyse patient outcomes and feedback into pathway improvement
- Introduction and piloting of video consultations in pre-assessment

Education

The department has a strong legacy in educational projects related to perioperative medicine. It was the first department to offer a dedicated teaching module to trainees in perioperative medicine and the UCL Perioperative Medicine Massive Open Online Course (MOOC) has now attracted over 30 000 participants across the world.

Trainees would have the opportunity to contribute to ongoing and upcoming projects:

- Contribution and online publication of updates to the UCL Perioperative Medicine in Action MOOC and UCH trainee perioperative medicine online module
- Development of a programme to support for SIAs in Perioperative Medicine
- Lecturing at regional teaching days in POM
- Publication of invited educational articles

Interested applicants are encouraged to make contact to discuss opportunities further.

The Royal London Hospital Peri-Operative Medicine and Major General SIA

Module Lead:

c.pang@nhs.net

Background:

- The Royal London Hospital is a tertiary centre with a wide variety of specialties and an abundance of opportunity to learn and develop skills in peri-operative medicine.
- As the regional centre for complex abdomino-pelvic cancer surgery in the North East London network, this site provides trainees wishing to complete an SIA in peri-operative medicine with ample opportunities to develop their skills in the peri-operative care of the complex patient undergoing major surgery.
- We have a group of committed peri-operative physicians who have completed national and international fellowships, and are committed to the delivery of safe, patient-centred care throughout the peri-operative journey.
- We have a strong track record of success in education and research, having spoken and published data nationally and internationally about our experiences at The Royal London. We therefore feel that we are ideally placed to provide an Advanced Training Module in Peri-Operative Medicine to complement this.
- Additionally, the development of competencies in peri-operative care by definition necessitates experience in the intra-operative management of these patients. As such, this module is paired with an SIA in Major General Anaesthesia.

Clinical Aims:

- Gain competence in the delivery of safe and effective perioperative anaesthetic care to patients undergoing complex abdomino-pelvic surgery
- Gain mastery in the understanding and management of major abdominal surgery, as well as its potential risks
- Gain expertise in the long-term, holistic clinical management of patients. This includes the pre-operative, intra-operative and post-operative period
- Develop the communication, leadership, and management skills to support patients in shared-decision making for high-risk surgery

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Training Opportunities

Complex Abdomino-Pelvic Surgery

- RLH is the lead site for patients undergoing complex abdomen-pelvic cancer surgery.
- This includes patients undergoing surgery for colorectal, hepatobiliary, urological, and gynae-oncology cancers. Each subspecialty has a dedicated group of core anaesthetists who have developed expertise in the management of patients having radical surgery.
- Other important examples of these procedures to note include: ultra-radical debulking for pelvic cancers, and hyperthermic intraperitoneal chemotherapy (HIPEC).
- Trainees would be expected to:
 - Gain competence in anaesthesia for the key procedures performed at this site
 - Have exposure to the less routine surgeries such as HIPEC

HPB Surgery

- RLH is a tertiary site for HPB surgery. This includes all aspects of HPB surgery, excluding transplant surgery. Major surgery such as PPPD and hepatectomies will give the trainee ample experience in surgery such as this, allowing them to grasp the nuances of anaesthetic techniques for these operations.

Pre-Assessment Clinic

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- RLH has a consultant-led pre-assessment clinic every day; with Mondays, Tuesdays, and Wednesdays in particular focussed on reviewing patients who might benefit from cardio-pulmonary exercise testing.
- Trainees would be expected to:
 - Gain competence and confidence in independently reviewing a high-risk patient for complex surgery
 - Gain familiarity with the principles of cardiopulmonary exercise testing
 - Gain familiarity with the core principles of prehabilitation and their implementation
 - Develop the leadership and management skills needed to run a pre-assessment clinic independently
 - Develop the communication skills necessary for effective cross-specialty working to optimise high-risk patients for complex surgery

Peri-Operative Medicine MDT

- There is a weekly MDT attended by peri-operative physicians from multiple specialties.
- Trainees would be expected to:
 - Develop skills to present high-risk patients to the multi-disciplinary team
 - Follow-up patients throughout their peri-operative journey

Stage 3 Special Interest Area (SIA) Posts at the Royal Marsden NHS Foundation Trust

Anaesthesia for Major General Surgery SIA

Provisional Supervisors

Dr Olivia Mingo, Dr Robert Self, Dr Alex Oliver, Dr John Schutzer-Weissmann

Trainees would experience a wide range of laparoscopic, robotic and open cancer surgery. Subspecialties include Upper GI, Lower GI, Liver, Urology, GynaeOncology, Sarcoma, Plastics and Breast. Many procedures involve multiple surgical teams. In addition, there is related out of theatre work e.g., increasing interventional radiology workload. Experience in the operating theatre is closely linked to a well-established pre-operative assessment service and then seeing the patients post operatively on critical care. Many trainees have found this comprehensive approach particularly helpful. In addition to all procedures associated with major complex surgery, trainees will become very experienced in the use of Total Intravenous Anaesthesia (TIVA).

Perioperative medicine SIA

Provisional supervisors

Dr Sophie Uren, Dr Don Milliken, Dr Ravi RaoBaikady

1. To take part in a preassessment service that is staffed by a consultant anaesthetist five days per week. Approximately 30 high-risk patients are seen face-to-face by the anaesthetist each week. During preassessment sessions, trainees will have the opportunity to conduct shared decision-making discussions with high-risk patients, coordinate further investigations.
2. CPET clinics take place alongside preassessment on three days per week, with approximately 15 tests per week administered by a combination of specialist exercise physiologists and consultant anaesthetists with a specialist interest. Trainees would have the opportunity to observe and participate in patient testing, and subsequently use the data from the test report to support shared decision-making discussions. We have an established track record in supporting interested trainees/fellows to achieve POETTS CPET accreditation.

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3. Trainees can participate in and support the innovative MILE prehabilitation pathway which provides patients with gynaecological and upper GI malignancies with a bespoke package of exercise and lifestyle interventions to improve their condition for major surgery.
4. Trainees can take an active role in the SUMMIT MDT process, which coordinates care for oesophagectomy patients from the time of their decision for surgery, through neoadjuvant chemotherapy and prehabilitation, to their surgical date.
5. There is a comprehensive perioperative anaemia / blood management service with ward rounds each week.
6. Trainees will gain experience of frailty assessment and comprehensive assessment of the elderly. All patients are assessed for frailty in the course of their preassessment and, where frailty is identified, referred to a multidisciplinary team with an interest in perioperative frailty.
7. The department is very active in recruiting to perioperative NIHR portfolio studies. Trainees have the opportunity to be involved. We are currently
8. recruiting to PQIP, POM-V, INSPIRE and will soon be recruiting to VITAL. In addition, we have a number of innovative "home-grown" research projects which trainees can support and develop. New approaches to preoperative functional assessment are a particular area of focus.
9. A recent trainee-led initiative resulted in the development of an online learning platform for preassessment nurses. This has been adopted by The Royal Marsden School and trainees would have the opportunity to take a leadership role in the wider roll-out of this project.

The Royal London Hospital Peri-Operative Medicine SIA

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Unit Supervisors:

Dr Mevan Gooneratne mevan.gooneratne@nhs.net

Dr Ching Ling Pang c.pang@nhs.net

Background:

- The Royal London Hospital is a tertiary centre with a wide variety of specialties and an abundance of opportunity to learn and develop skills in peri-operative medicine.
- As the regional centre for complex abdomino-pelvic cancer surgery in the North East London network, this site provides trainees wishing to complete an ATM in peri-operative medicine with ample opportunities to develop their skills in the peri-operative care of the complex patient undergoing major surgery.
- We have a group of committed peri-operative physicians who have completed national and international fellowships, and are committed to the delivery of safe, patient-centred care throughout the peri-operative journey.
- We have a strong track record of success in education and research, having spoken and published data nationally and internationally about our experiences at The Royal London. We therefore feel that we are ideally placed to provide an Advanced Training Module in Peri-Operative Medicine to complement this.
- Additionally, the development of competencies in peri-operative care by definition necessitates experience in the intra-operative management of these patients. As such, this module is ideally paired with an SIA in Major General Anaesthesia, hepatobiliary or vascular anaesthesia.

Clinical Aims:

- Gain competence in the delivery of safe and effective perioperative anaesthetic care to patients undergoing complex abdomino-pelvic surgery
- Gain mastery in the understanding and management of major abdominal surgery, as well as its potential risks
- Gain expertise in the long-term, holistic clinical management of patients. This includes the pre-operative, intra-operative and post-operative period
- Develop the communication, leadership, and management skills to support patients in shared-decision making for high-risk surgery

Training Opportunities and Sample Timetable:

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Complex Abdomino-Pelvic Surgery	<ul style="list-style-type: none"> • RLH is the lead site for patients undergoing complex abdomen-pelvic cancer surgery. • This includes patients undergoing surgery for colorectal, hepatobiliary, urological, and gynae-oncology cancers. Each subspecialty has a dedicated group of core anaesthetists who have developed expertise in the management of patients having radical surgery. • Other important examples of these procedures to note include: ultra-radical debulking for pelvic cancers, and hyperthermic intraperitoneal chemotherapy (HIPEC). <p>Trainees would be expected to:</p> <ul style="list-style-type: none"> • Gain competence in anaesthesia for the key procedures performed at this site • Have exposure to the less routine surgeries such as HIPEC
Pre-Assessment Clinic	<ul style="list-style-type: none"> • RLH has a consultant-led pre-assessment clinic every day; with Mondays, Tuesdays, and Wednesdays in particular focussed on reviewing patients who might benefit from cardio-pulmonary exercise testing. <p>Trainees would be expected to:</p> <ul style="list-style-type: none"> • Gain competence and confidence in independently reviewing a high-risk patient for complex surgery • Gain familiarity with the principles of cardiopulmonary exercise testing • Gain familiarity with the core principles of prehabilitation and their implementation • Develop the leadership and management skills needed to run a pre-assessment clinic independently • Develop the communication skills necessary for effective cross-specialty working to optimise high-risk patients for complex surgery
Peri-Operative Medicine MDT	<ul style="list-style-type: none"> • There is a weekly MDT attended by peri-operative physicians from multiple specialties. <p>Trainees would be expected to:</p> <ul style="list-style-type: none"> • Develop skills to present high-risk patients to the multi-disciplinary team • Follow-up patients throughout their peri-operative journey

Sample Timetable:

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- These provisional timetables give a sample of the possible timetables for any trainee undertaking this SIA. Any of these options are interchangeable with what is available daily in order to align with other modules being undertaken.
- This post comes with an on-call commitment (generally 1:9)

	AM	PM	Daily Lists
Monday	Research	Pre-Assessment Clinic	Complex abdomino-pelvic (colorectal, gynae-oncology, hepatobiliary) Vascular
Tuesday	Gynae-Oncology List		
Wednesday	Pre-Assessment Clinic	Peri-Operative Medicine MDT	
Thursday	Surgical Monitored Unit		
Friday	Colorectal		

Education:

- To deliver teaching to colleagues of all grades and specialties in a variety of settings
- To undertake a further qualification in peri-operative medicine if desired (such as a PG certificate)

Principles of Physical Assessment for Nursing Staff	We deliver a level 6 course aimed at training nurses in pre-assessment clinic in the principles of physical assessment. Trainees completing this ATM would be expected to participate and contribute to the running of this highly successful, 4 day course.
Teaching and Training	You would be expected to participate in primary and final teaching (where appropriate).

Research:

- We collaborate closely with the Critical Care and Peri-Operative Medicine research group and there are ample opportunities to get involved in data collection or lead on a project. Current research projects include:
 - OSIRIS
 - OPTIMISE II
 - iFunny
- Trainees would be expected to have current GCP.
- Previous projects have included first author publications in the British Journal of Hospital Medicine, the BJA Education supplement, and national/international presentations.

Quality Improvement:

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- Previous projects have involved service development projects such as introducing cognitive impairment screening, the use of routine spirometry, and the use of a scale to identify patient satisfaction with decision-making.
- To be actively involved in projects that utilise QI methodology.
- To gain a thorough understanding of the key steps to leading on quality improvement.

SIA: Neuroanaesthesia

**National Hospital for Neurology and Neurosurgery, University College London
Hospitals NHS Foundation Trust, Queen Square, London WC1N 3BG**

Duration: 6-months to 1-year

The National Hospital for Neurology and Neurosurgery (NHNN) is the UK's largest dedicated neurological and neurosurgical hospital. We provide a comprehensive service for the diagnosis, treatment and care of all conditions affecting the brain, spinal cord, peripheral nervous system, and muscles. With our neighbour, UCL Queen Square Institute of Neurology, we are a major international centre for research and training in neuroscience. The Hospital is a division of University College London Hospitals NHS Foundation Trust (UCLH).

Our Anaesthetic Department is Royal College of Anaesthetists (RCOA) Anaesthesia Clinical Services Accreditation (ACSA) accredited and is responsible for the provision of anaesthetic services within six operating theatres, interventional neuroradiology, and the interventional MRI operating suite. We offer a 24-hour emergency care service and seven-day mechanical thrombectomy service to treat acute stroke. The department also supports the care of patients admitted to our Neurocritical Care unit. This includes both medical and surgical patients.

Our neuroanaesthesia SIA training programme offers SpRs an opportunity to train in all aspects of peri-operative care for patients undergoing neurosurgery. We offer experience in the complete range of neurosurgical subspecialties including neuro-oncology (including awake craniotomies), pituitary, epilepsy, posterior fossa and skull base surgery, neurovascular and functional neurosurgery. We also provide perioperative care for patients undergoing cranio-cervical surgery, complex spinal surgery and interventional neuroradiological procedures. Intraoperative monitoring is used regularly. There is also an opportunity to gain experience in pre-operative assessment, pain management, tracheostomy care

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and neurocritical care. Our SIA programme offers the opportunity to attend neurovascular, and neuro-oncology multidisciplinary team meetings.

Our training program in perioperative neuroscience is also accredited by the International Council for Perioperative Neuroscience Training (ICPNT). The option to complete this program is available to SpRs who complete 1-year SIA in neuroanaesthesia. Our training experience is flexible and designed to meet individual learning and development plans. It is supported by dedicated weekly consultant led teaching and journal club as well as a monthly guest teaching programme delivered by expert speakers, regular mortality and morbidity meetings, and Quality and Safety meetings. As a department we are proactively engaged in the quality improvement and patient safety initiatives as well as teaching, management, and research. Opportunities to partake in neuro-simulation is also available. Our SpRs regularly present their work at national and international conferences. We have a departmental Diversity, Equality and Inclusion committee and an established wellbeing programme.

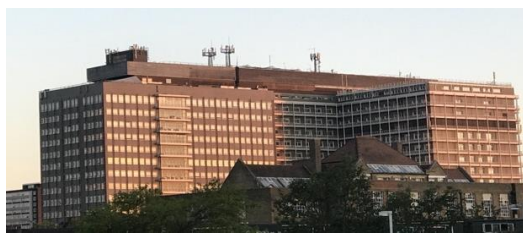
We look forward to welcoming you at NHNN. If you would like further information or would like to discuss any aspects of the SIA, please contact:

Dr Rob John

College Tutor

E: r.john@nhs.net Dr Valpuri Luoma College Tutor

Program Director, Neuroanaesthesia Fellowship College Tutor E: val.luoma@nhs.net



Charing Cross Hospital

Department of Anaesthesia

SIA Anaesthesia for Neurosurgery

Clinical Supervisors

Dr Stewart Berry	stewart.berry1@nhs.net
Dr Vidhya Nagaratnam	v.nagaratnam@nhs.net
Dr Ashwin Kalbag	ashwin.kalbag@nhs.net
Dr Shona Love	shona.love3@nhs.net
Dr Jason Wilson	jason.wilson2@nhs.net

Background

This is a 6- or 12-month SIA placement at Charing Cross Hospital covering the Stage 3 SIA Neuroanaesthesia curriculum of the Royal College of Anaesthesia (RCoA). This placement is suited to senior trainees who would like to sub-specialise in Neuroanaesthesia or prior to a post CCT fellowship. Support will be available to trainees undertaking activities that enhance their non-clinical skills such as education, research, and quality improvement and publication preparation.

Clinical Experience

Charing Cross Hospital has an international reputation for outcomes in Neurology and Neurosurgery. We are the largest neuro-interventional service for the sector. Post holders will have the opportunity to take part and gain extensive experience in the work we undertake:

- Craniotomies, both asleep and awake
- Base of skull surgery
- Functional surgery including deep brain stimulation
- Complex spine surgery (with neurophysiological monitoring)
- Transphenoidal surgery
- Interventional radiology (including emergency thrombectomy)

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Practical experience will include safe positioning for neurosurgery including specialist equipment, advanced airway management skills and use of advanced patient monitoring.

Academic & Management

Examples of typical academic and management experience:

- Participation in national and international meetings by attendance and submission of abstracts.
- Development of anaesthetic protocols and SOPs for neuroanaesthesia and interventional radiology.

General Conditions & Responsibilities

- Full and LTFT posts are available
- The post holder will take part in the senior trainee on call rota alongside the other trainees and fellows, which currently operates at a frequency of 1 in 8, follows a full shift pattern with prospective cover and is European Working Time Directive compliant.
- In addition to elective theatre work, the trainee is expected to cover cardiac arrests, airway and other emergencies and the acute pain service when on call.
- The post will be covered by the arrangements for study leave and supervision that apply to trainees in PMETB approved posts. Study and annual leave are to be taken during weeks when not on call, or sessions moved accordingly.
- There is a strong departmental tradition of performing, presenting, and publishing research and audit projects. The post holder will support developments in education, research, leadership and quality improvement projects within the Trust.

Normal working hours

Stage 3 / Higher, Stage 2 / Intermediate & Fellows (Pager 8844/8189)

Normal Day: 7:30am - 5:30pm (10hrs)

Weekday Long day: 7:30am - 8:30pm

Weekend & Bank Holiday Long Day: 8:00am - 8:30pm

Weekday Nights: 8pm-8am

Weekends & Bank Holiday Nights: 8pm to 8:30am

Education

The department has a well-established weekly teaching programme from which the trainee can benefit from learning the topical issues and relevant literature. Additionally, a weekly 'Education and

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Wellbeing opportunities' email is circulated each Sunday evening, which includes events at other Imperial sites.

A Trust-wide CEPD half-day meeting held 6 times a year, often preceded by the Local Faculty Group meeting and a consultant meeting.

There is an extensive library of recorded teaching sessions available to you on Microsoft Teams. The trainee will additionally have access to all of the general educational resources available on site including:

- Libraries: Departmental Anaesthetic library for quiet study and Imperial College Library on site
- Educational room within the Anaesthetic department. Contains a range of teaching / training equipment.
- Information Technology: Computers in theatres and the anaesthetic department.
- In-hospital Information Technology, Faculty Development and Management training courses organised through the Charing Cross Postgraduate Centre
- UpToDate: is an evidence-based clinical decision support tool. Imperial NHS Trust provides access to [UpToDate.com](https://www.uptodate.com) from all Imperial Trust computers. From there you can confirm your association with the Trust, allowing you to access the resource from your own devices.

Teaching

Teaching is a core component of SIAs and trainees will have opportunities to provide teaching to undergraduates, postgraduates and allied health professionals and are expected to contribute to the weekly departmental teaching programme.

Governance

The Trust adheres to a strict clinical governance programme. Within the directorate there is an active and on-going programme of Governance supported by Dr Preea Gill representing Anaesthesia. There are regular Clinical Governance, Critical Incident and Mortality & Morbidity meetings within the Division of Anaesthesia occurring bi-monthly.

Everyone is expected to participate in Quality Improvement. All QI should be recorded using the LifeQI platform, which will automatically register the project with the Trust QI department. All audit activity should be registered with the audit team by emailing: imperial.audit@nhs.net.

Clinical Research Opportunities

Trainees will be encouraged to participate in projects under the supervision of a consultant anaesthetist. SIA trainees are also expected to initiate and complete at least one research / quality improvement / audit project and participate in departmental academic activities. There are opportunities to collaborate with ImPART (Imperial Anaesthesia Research Team), national projects and trainees are encouraged to present their completed work at national or international meetings during the year. A rolling programme of audit meetings takes place supported by Dr Dafydd Lloyd and the post holder is expected to participate in the clinical audit programme.

Special Interest Area in Ophthalmic Anaesthesia

Moorfield's Eye Hospital

6 months

Module Lead: Helen Ahmad helen.ahmad@nhs.net

Background:

Moorfields Eye Hospital is a specialist NHS ophthalmic hospital, providing care for all ophthalmic subspecialties. The Anaesthetic department comprises 18 consultants, 3 Specialty doctors, and junior trainees. There are 8 operating theatres at the main City Road site, plus a number of satellite sites. The hospital operates on a day case model for surgery.

1 day per week will be allocated to non-clinical activities, which will assist with completion of Generic Professional Capabilities. The trainee will be part of the on-call rota, approx. 1 in 4-5. On call shifts are until 9pm, and weekend shifts are 08:30 – 18:00. There are no overnight duties.

Clinical experience in theatre will always be provided, but there will be opportunities for the fellow to work independently with indirect supervision.

Clinical Experience:

Anaesthesia is provided for all forms of ophthalmic surgery resulting in a case mix which is unique in the United Kingdom.

The SIA will enable achievement of all the Learning outcomes and key capabilities for the SIA in Anaesthesia for Ophthalmology. In addition, there is crossover with the domains of

Regional Anaesthesia

General Anaesthesia

Peri-operative medicine

Procedural Sedation.

Learning outcomes:

- *Provides safe perioperative anaesthetic care for a wide variety of complex ophthalmic procedures independently*

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- *Is capable of leading the delivery of care in this area of anaesthetic practice, to the benefit of both patients and the organisation*

A	Provides safe and effective peribulbar and sub-Tenon's regional anaesthesia in appropriate patients for ophthalmic surgery, understanding implications of biometry measurements and B scan results
B	Delivers perioperative anaesthetic management of patients having orbital surgery or vitreo-retinal surgery including specific considerations in laser treatment
C	Delivers safe anaesthetic management of patients for glaucoma surgery appreciating the different types of procedures undertaken and any specific anaesthetic requirements
D	Manages the perioperative care of patients having complex cornea surgery including the issues relating to tissue transplant
E	Provides safe perioperative management of children for ophthalmic surgery including those with complex congenital syndromes

Training in ophthalmic anaesthesia, both general and local techniques will be

provided. There is also an opportunity for developing highly relevant skills in sedation. A

substantial amount of paediatric work takes place at Moorfields & consequently there will be many occasions for managing the care of children as young as 4 weeks. TIVA is the anaesthetic of choice at Moorfields so there is plenty of chance to excel in its use.

A wide experience in anaesthesia will be gained, particularly day-case anaesthesia and anaesthesia for the elderly

The anaesthetic department runs a pre-assessment clinic to see high risk or complicated patients prior to their admission for surgery. The clinic runs parallel with a nursing assessment clinic and there is close co-operation between the two. This work can be quite demanding, as there are no in-patient physicians on the staff.

Approximately 10% of patients are children, and approximately 10% of patients are diabetic.

The Anaesthetic Service also provides Advanced Life Support skills for the resuscitation team during normal working hours.

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Teaching experience:

Attendance at relevant national meetings such as British Ophthalmic Anaesthesia Society annual meeting, with the expectation of presenting at the meeting.

Opportunity to be faculty for in-house simulation of medical emergencies, and resuscitation courses.

Provide teaching to trainees and other staff. Integrated learning with, and teaching of ophthalmology train

Present at multidisciplinary educational meeting Moorfields Academy.

Weekly teaching for all trainees.

Fellow will present at the departmental meeting.

Journal club.

Management Experience:

Opportunity to gain further knowledge in Clinical Governance through didactic teaching. Attendance at appropriate Trust meetings with a consultant mentor.

Opportunity to shadow senior leaders within the trust.

Writing departmental policies or guidelines.

Research and Audit:

Moorfields is an important research institution, and each individual is expected to contribute to research and development, and teaching and training within the service.

Expected to participate in quality improvement projects locally, with opportunity to lead on any relevant national audits or studies.

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Chelsea and Westminster Plastics and burns or Intensive Care

Chelsea and Westminster Hospital SIAs Intensive Care – 6 months

Supervisors: Dr Linsey Christie and Dr Michelle Hayes

This SIA will give the post holder the opportunity to develop their skills in managing critically ill patients in an ICU that has been rated “Outstanding” by the CQC. In 2021, we opened our brand new 20-bed ICU, as well as retaining our 2-bed specialist burns ICU.

The post holder will be able to cover the key capabilities as set out by the RCoA for additional ICM. Chelsea and Westminster Burns ICU is the tertiary referral centre for critically ill patients with burns within London, enabling experience in the initial management of severe burns and bronchoscopy to diagnose and manage inhalational injury. In the general unit, we admit a wide variety of medical patients, as well as being a specialist centre for HIV.

We admit emergency and elective surgical patients and for the latter we are involved in the pre-operative review.

We offer opportunities to be involved in education including the established in-situ simulation programme, develop skills in ultrasound/echo, as well as experience with the outreach team.

The post holder will have the opportunity to complete a project in their area of interest and work with a dynamic multidisciplinary team, including a specialist ICU psychology service.

The on-call rota is a 1:8 resident rota and you will be working with a team of ten ICU consultants.

This SIA could be combined with the “Anaesthesia for Plastic Surgery and Burns Management”, which is also offered at Chelsea and Westminster Hospital

Anaesthesia for Plastic Surgery and Burns Management – 3-6 months

Supervisors: Dr Linsey Christie and Dr Alice Sisson

Chelsea and Westminster Hospital offers a variety of specialist plastic surgery and the post holder will be able to cover the key capabilities as set out by the RCoA for this SIA.

We are the tertiary referral centre for adult and paediatric burns within London. Having a 2-bed burns ICU and 2-bed burns HDU enables us to manage critically ill patients with major burns.

The post holder will gain experience in anaesthesia for major burns surgery, fluid resuscitation, bronchoscopy for inhalational injury and learn about advances in acute burns care.

Our burns surgeons also manage patients in the chronic phase of their illness and the post holder would learn about anaesthesia for burns scar management and reconstructive surgery.

Experience on the adult burns ward, specialist paediatric burns unit and paediatric HDU is also available. Attendance at the weekly burns MDT is encouraged.

Other plastic surgery includes specialist craniofacial work, which involves a shared airway and frequent exposure to patients with a difficult airway. In addition, we are a specialist hand centre, giving the post holder exposure to a large variety of regional anaesthesia techniques.

The on-call rota is a 1:8 resident rota (anaesthesia and/or ICU on call rota).

The post holder will be supported in completing a project in their area of interest and presentation at an international or national burns meeting (e.g.BBA) is encouraged. Involvement in burns education, including our multidisciplinary in-situ simulation, is available.

This SIA could be combined with “Intensive Care” which is also offered at Chelsea and Westminster Hospital