Guide to Hospitals on the Wessex Anaesthetic Rotation

Wessex School of Anaesthesia

Health Education Wessex

Southampton
Poole
Bournemouth
Basingstoke
Dorchester
Winchester
Portsmouth
Salisbury
SOUTHAMPTON UNIVERSITY HOSPITALS

Background

Southampton University Hospitals NHS Trust (SUHT) provides local hospital services to some 1.3 million people living in Southampton and south Hampshire and specialist services such as neurosciences, cardiac services and children's intensive care to more than three million people in central southern England and the Channel Islands.

The Trust is also a major centre for teaching and research in association with the University of Southampton and partners including the Medical Research Council and Wellcome Trust.

Every year the 7,500 staff:

- treat around 112,000 inpatients and day patients, including about 50,000 emergency admissions;
- see approximately 375,000 people at outpatient appointments; and
- deal with around 110,000 cases in our emergency department.

Southampton University Hospitals NHS Trust is the eighth largest by income in the UK. It has been completely redeveloped over the last 30 years with 1044 beds for inpatient services, outpatient clinics and diagnostic facilities in modern accommodation. The Trust runs the adjacent Princess Anne Hospital for obstetrics, gynaecology and neonatology. The site also houses the Trust headquarters and most of the support services for the Trust. Significant recent developments include the new neurosurgical operating theatres (1996) and intensive care unit expansion (2008) and a £50M expansion of the Wessex Cardiac Centre (2006/7). The Wellcome Trust Clinical Research Facility has also recently opened.
Anaesthetic services

The Shackleton Department of Anaesthetics is part of the Critical Care Group within the Specialist Services Division and is based at Southampton General Hospital. Anaesthetic and Intensive Care services are provided throughout the Trust including the Princess Anne Hospital and the Southampton Independent Sector Treatment Centre. Most surgical sub specialties are present in the Trust.

There is an eight-bedded level - 2 surgical high dependency facility catering for pre and post surgical patients. The General ICU has 21 beds and provides facilities for mainly level 3 surgical and medical patients. There is a 16-bedded Cardiac ICU, a 10 bedded Paediatric ICU and a 13 bedded Neurosurgical ICU within the Hospital.

Anaesthetic & Critical Care staffing includes:

- 80 NHS Consultants
- 1 Senior Lecturer / Consultant
- 5 Associate Specialists
- 48 Specialist Registrars / Research Fellows
- 4 ACCS trainees

POOLE HOSPITAL

Background

Poole is one of two NHS Trusts providing acute medical services to Poole, Bournemouth and the surrounding area, servicing a population approaching half a million. Poole and Bournemouth Hospitals are approx 7 miles apart.

Poole Hospital is the major acute hospital for East Dorset. It serves East Dorset for all major trauma, paediatrics and obstetrics in addition to its district general hospital role for acute general medicine, surgery and gynaecology. Services for maxillofacial surgery and ENT are centred at Poole.

Poole is the designated Cancer Centre for the whole of Dorset and provides all radiotherapy services plus the central base for Medical Oncology. In line with its Cancer Centre status, surgery for gynaecological malignancy is now centred at Poole.
Recent completed developments include new outpatient's facilities, a refurbished day theatre suite and ward. A High Dependency Unit has been incorporated into the ICU, making 11 +1 beds altogether, and a new Coronary Care Unit is adjacent to the ICU and HDU. We have recently opened a Day of Surgery Admission ward and have significantly reduced our length of stay for inpatients. We have developed an excellent Enhanced recovery program in Poole which encompasses all surgical sub-specialties.

**Anaesthetic Services**

The Department of Anaesthesia at Poole works flexibly with Royal Bournemouth Hospital to cover all anaesthetic work in the two main hospitals together with providing a district-wide service to the Community Trust as appropriate, notably Wimborne, Christchurch and Swanage Hospitals with ECT sessions at St Ann’s Psychiatric Hospital.

The Medical Staff for both sites comprise of 39 Consultants, 8 Associate Specialists, 8 Staff Grades, 27 Trainees, 3 Trust Doctors and 4 Clinical Assistants.

All members of the division of anaesthesia work on a district basis and may be required to work at any of the hospitals in the district. There is a department of Anaesthesia at Poole and Royal Bournemouth Hospitals and the administrative manager divides her time between the two. In addition, there is a full-time secretary at Poole and a part-time secretary at RBH. The emergency rota for the general on-call consultant staff is organised so that there are always two consultants on call, one for Poole and one for Bournemouth, in addition to the consultants for intensive care.

Junior staff provide 24-hour emergency cover. Currently there are four resident staff on-call at Poole Hospital - one dedicated to theatres, one to intensive care (who may be a physician), a third senior trainee to oversee and support and the other to obstetrics. We also service three all day Trauma lists at the weekend, currently staffed by Consultant and Staff Grade Anaesthetists.
ROYAL BOURNEMOUTH HOSPITAL

Background

The Trust provides general health care for the residents of Bournemouth, Christchurch, East Dorset and part of the New forest with a total population of over 550,000. As a major tourist area the population can swell by up to one million people in the summer months.

The Royal Bournemouth Hospital fully opened in 1992 and was awarded Foundation status in April 2005. The Emergency Department deals with over 60,000 attendees annually and is supported by an Ophthalmic Casualty as part of the sub-regional Ophthalmic Unit.

Anaesthetic Services

Royal Bournemouth is a large district hospital which is combined with Poole Hospital for training. It has easy access by car or bike and is close to the fantastic beaches and dodgy nightlife Bournemouth is famous for.

Bournemouth has 23 consultants with a wide range of interests in and out of work including ultrasound for peripheral blockade, enhanced recovery, bariatrics, sailing, windsurfing, kitesurfing etc etc. We have a fantastic band ‘the Volatile Agents’ who are always in demand.

Specialities include bariatrics, major colorectal and upper GI, vascular, ophthalmics, orthopaedics and gynaecology. There is also increasing anaesthetic input into the rapidly developing interventional cardiology and radiology services.
We have an effective day of surgery admission unit ‘the Sandbourne Suite’ to which most patients arrive for easy preoperative assessment. There are 8 main theatres, 2 eye theatres, 5 day theatres and 2 orthopaedic fast track joint replacement theatres.

At the Royal Bournemouth Hospital there is a Specialist Registrar resident on-call with a Staff Grade covering out-of-hours surgical emergencies.

**Critical Care**

Critical Care includes the Intensive Care Unit (ICU) and the High Dependency Unit (HDU). The Intensive Care is recognised for intermediate training. Patients are under the care of our five specialist consultant anaesthetists. We care for over 800 patients a year each with an individual care plan. Twenty per cent of patients are planned admissions following major surgery; the others are emergency admissions with a wide variety of conditions. Critical Care also provides an outreach service, supporting patients who have been discharged from critical care to other areas within the hospital.

**BASINGSTOKE AND NORTH HAMPSHIRE HOSPITALS**

**Background**

The trust is centred around the Basingstoke and North Hampshire Hospital in Basingstoke. The hospital serves the populations of Basingstoke, Tadley, Alton and Bordon as well as surrounding towns and villages in north and mid Hampshire and West Berkshire. This area gives the trust a catchment population of 300 000 people. The majority of services are provided from Basingstoke and North Hampshire Hospital, but also provide outpatient and assessment services from Alton and Bordon community hospitals.

Basingstoke and North Hampshire Hospital has around 450 beds, from which it provides a full range of services for patients who need both planned and emergency treatment. This includes the diagnosis and treatment centre (DTC) our purpose built, modern planned care centre, which opened in February 2005. The hospital employs 2900 staff members.

**Facilities of relevance to Anaesthetic Trainees**

- Main operating theatre suite – 7 operating theatres
- Day Treatment Centre (DTC) – 3 operating theatres / endoscopy suite
- Obstetric unit – 8 labour rooms, 2 operating theatres, 3000 deliveries/year
Eye Unit – 1 operating theatre
Intensive Care unit – 8 beds
High Dependency Unit – 3 beds
Innovative Acute Pain service
Busy chronic pain service with 3 consultants
Emergency department (trauma unit) – seeing 45 000 patients per year
Cardiac interventions including ‘hot’ angioplasty service

Anaesthetic Services

The anaesthetic department consists of 19 Consultant Anaesthetists, 4 Associate Specialists, 7 Staff Grades, 4 Registrars and 9 Core Trainees. Tutorials for Primary FRCA happen within the department weekly. There are regular M&M, Audit and Trauma meetings – there are also a number of ad hoc evening meetings on anaesthetic topics. The department organises a ‘Transfer of the Critically Ill’ course and regular Primary FRCA courses.

Additional benefits offered to trainees

Basingstoke has a unique patient mix and offers opportunities not available elsewhere in Wessex (or even the rest of the UK)

Hepatobiliary surgery
We offer opportunities for experience of open and laparoscopic liver resections, traumatic liver injuries and biliary reconstructions. We are a supraregional centre for liver surgery taking referrals from Wales, Sussex and the West Country as well as much of Hampshire and Dorset.

Carcinoid Tumours
The hepatobiliary team also provide a regional referral service for carcinoid tumours of both the liver and small bowel.

Pseudomyxoma/ Cytoreductive Surgery
We are the national centre for pseudomyxoma surgery/ cytoreductive surgery for peritoneal surface malignancy. We operate on about 100 patients a year for this kind of surgery. This is a major laparotomy lasting about 10-12 hours, combined with intraperitoneal chemotherapy. We have recently started undertaking thoracic surgical intervention for extension of pseudomyxoma into the thoracic cavity.

Colorectal Surgery
Our colorectal surgery unit has the lowest mortality in the UK, offering the opportunity to observe best practice in colorectal procedures. We are also a supra-regional referral centre for low rectal cancers. Intraperitoneal chemotherapy for locally invasive colorectal tumours is a recent advance in surgical management world-wide. We are currently receiving international referrals for this type of case.
Research
The unusual case mix in Basingstoke does allow the opportunity for anaesthetic research. We are starting to involve trainees in research.

Opportunities in the Developing World
One of our Consultants is very active in anaesthetic education and provision in Africa. Many of our trainees have had the opportunity to lecture on international conferences as a result of this link. There are also opportunities to work on the Mercy Ships in Africa.

DORSET COUNTY HOSPITAL

Background
The Trust provides excellent facilities to a largely rural population of 220,000 (with concentrations in Weymouth and Dorchester) in a modern and well equipped hospital with an award-winning art collection to enhance the environment for patients. Housing 500 beds, Dorset County Hospital has been recognised as an Exemplar Site by the Department of Health. There are only eight such sites in the country, which have been chosen because of the high quality of the patient environment.

The Trust has a track record of achievement and is an organisation committed to the delivery of high quality services:

The Trust currently employs around 2,700 personnel, treating more than 100,000 patients each year and provides the following services:

- Day Surgery – Twin Theatre with 16 beds
- 7 Main Theatres
- Day of surgery admission ward
- Anaesthetic pre-assessment service
- Acute pain team
- Chronic pain team
- 10 bedded Critical Care Unit, including ICU, HDU
- Emergency Department with adjacent helipad
- General Surgery
- Laparoscopic surgery
- Vascular Surgery including carotid endarterectomy
- Urology – including nephrectomy
- Orthopaedics & Trauma
- ENT and Maxillo Facial Surgery
- Obstetrics & Gynaecology approx 2800 deliveries
- Endoscopy Unit
- General Medicine and Elderly Care
- Regional Renal Unit for the County of Dorset
- Cardiac Catheter Lab
- Ophthalmology
- Paediatrics

The hospital is recognised as a Cancer Unit within the Dorset Cancer Network for the provision of services for patients with breast, colorectal, urological, upper gastro-intestinal, lung and haematological malignancies. While most chemotherapy is given locally, the Radiotherapy Centre is in the Cancer Centre at Poole.

Dorset County Hospital is the hub of the district’s inpatient facilities but community hospitals are situated in the surrounding major towns and provide the spokes to the central unit. Weymouth Community Hospital, Bridport Hospital, Blandford Hospital, Sherborne, Forston Clinic (ECT sessions twice per week)

**Anaesthetic Services**

The departmental offices are in the centre of the hospital close to the six bed ICU and four bed HDU. There are seven main, two day case unit and one obstetric theatres. There is an anaesthetic assessment unit and surgical admission ward.

All theatres are equipped with high quality modern Datex Aestiva 5 anaesthetic machines and monitoring. There are 4 portable U/S machines dedicated to the department for line placement and ultrasound guided regional blockade. LiDCO and oesophageal Doppler cardiac output and BIS monitoring are available.
ROYAL HAMPSHIRE COUNTY HOSPITAL

Background

Winchester and Eastleigh Healthcare NHS Trust serves a catchment population of over 235,000. The main base of the Trust is the Royal Hampshire County Hospital, site of the Anaesthetic Department & Intensive Care Unit.

The Royal Hampshire County Hospital has approximately 400 beds and the site includes a NHS Treatment Centre and a multi professional Education Centre.

Medical students attend RHCH from both Southampton University and St George's University, Grenada. Winchester is the main base for the Southampton BM4 course students in years 1,2 & 4.

The trust is due to merge with Basingstoke and North Hampshire Hospitals Trust Jan 2012.

Anaesthetic Services

The department enjoys a generous amount of office space in the Queens Rd office building and includes a dedicated trainee office, fully stocked library and large meeting/seminar room with flat-screen projection system.

Our department is made up of 21 Consultants, including 7 ICU, 5 Obstetric and 2 Chronic Pain specialists, 7 SAS, 3 ST3+ and 10 CT1/2. We have a departmental manager and 2 departmental secretaries. In addition to staffing the ICU, the department provides support to 9 theatre suites (3 day case theatres), MRI / interventional radiology, labour ward and 2 obstetric theatres on the RHCH site. There is a well established acute pain service.

Trainees are not asked to cover other trust locations and are supported by a “starred” anaesthetic consultant system 24/7.

Anaesthetic tutorials occur on a weekly basis in addition to weekly ICU teaching, weekly departmental meetings, monthly audit half days and monthly anaesthetic & ICU M&M.
**Intensive Care (ICU)**

The ICU is a 10 bed unit, funded for 6 level 2 (“HDU”) and 4 level 3 (“ICU”) patients. However, in keeping with recommended practice, the unit is flexible, in accepting varying ratios of the different levels of care, up to the capacity dictated by nursing numbers. The ICU is recognised for Basic Level ICU training.

The number of admissions is approximately 660 admissions per year. Medical admissions account for 50-60% of the case mix. About 45% of patients are level 3 (ICU). There are over 200 ventilated patients and over 35 renal replacement patients per year.

There is dedicated ICU Consultant level support 24/7.

ICU staffing includes two Clinical Fellows and an F2 doctor on rotation.

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**PORTSMOUTH HOSPITALS NHS TRUST**

**Anaesthetic Services**

Queen Alexandra Hospital is a large DGH covering all acute specialities except for cardiac and neurosurgery. You will gain experience in major general surgery, bariatrics, head & neck, orthopaedics (including a significant amount of regional anaesthesia), urology, gynaecology, vascular, renal transplant, plastics and paediatrics. ICU is well regarded throughout the region for training. We offer advanced training in pain medicine, obstetrics and regional anaesthesia. We run an active acute pain service, preoperative assessment and a surgical high care – all of which you should be able to experience.

**Staff**

We have over 50 consultants including intensivists, 4 SAS grades and 2 post-CCT Fellowships in regional anaesthesia and difficult airway management. We have trainees at all levels including ACCS and military staff.

**Workload**
We run an emergency theatre (CEPOD) and a trauma theatre all day, seven days per week. In addition we have 7 DSU, 2 maternity, 18 elective, and 1 community dental theatre. Cover is also provided for radiology, ECT and endoscopy. A Duty Anaesthetist (free of other clinical responsibilities) is available during the day to provide supervision to trainees working solo and assist with other colleagues if required.

**Rota**
Our weekly rota is written a month in advance so specific requests need to be planned ahead. The College Tutors will place trainees in specific units of training of 6-8/52. Please contact us beforehand to discuss your needs.

**On-call**
A consultant is on site until 2000 hours during the week and between 0800-1600 at weekends – this is in addition to the on-call consultant. A post FRCA trainee is 2nd-on, accompanied by a 1st-on and a separate individual in maternity.

**Training**
Everyone will be allocated an Educational Supervisor whom they will meet regularly and will meet the College Tutors twice during their placement.

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**SALISBURY DISTRICT HOSPITAL**

**Background**
Salisbury NHS Foundation Trust provides excellent clinical care to approximately 200,000 people in Wiltshire, Hampshire and Dorset. Specialist services such as burns, plastic surgery, genetics and rehabilitation extend to a wider population of 3 million across Southern England. The 2,800 personnel employed by the Trust provide services in the modern surroundings of Salisbury District Hospital at Odstock, although outpatient clinics extend to local community hospitals.

Services provided by the Trust of relevance to the anaesthetic trainee include the following:

- Day Surgery Unit: 4 theatres, 20,000 cases per year
- 8 main operating theatres
- Regional Burns unit: 18 beds with satellite operating theatre
- General Surgery
- Vascular surgery including aortic aneurysm repair and carotid endarterectomy
- Regional Plastic Surgery Centre
- Orthopaedics and Trauma, including elective spinal surgery
- Maxillofacial Surgery
- Cleft lip and palate service
- Acute pain service
- Chronic pain service
- Obstetrics and Gynaecology
- Duke of Cornwall Spinal Treatment Centre: 54 bed unit
- Critical Care Unit: 8 bed unit including ICU and HDU level patients & Critical Care Outreach Service
- Paediatrics
- Emergency Department
- Laser Treatment unit

**Anaesthetic Services**

Located immediately adjacent to the main theatre complex, the Anaesthetic Department houses office space as well as a large coffee/seminar room complete with computer workstations, flat screen TV + projector and daily newspapers. Anaesthetic services are provided by 24 consultants, 5 specialty doctors and approximately 11 core/specialist trainees with F2 doctors and medical trainees on regular rotation in the Intensive Care Unit.

Out of hours, the middle grade doctor typically provides cover for the critical care unit whilst the junior grade continues the emergency list in theatre. Obstetrics is most commonly the responsibility of the middle grade anaesthetist; however the junior anaesthetist should take over when their IACOA is complete. At weekends during the day, a 2nd theatre runs in addition to the emergency theatre to accommodate the large number of plastic surgery trauma cases and this is typically run by the Consultant Anaesthetist on call. There is separate 24/7 dedicated Consultant cover for the Critical Care Unit and a morning ward round takes place at weekends.

There is a weekly teaching programme for trainees preparing for the Primary FRCA and 10 clinical governance meetings each year, encompassing audit, M & M and professional development updates.

**Leisure Centre**

The hospital benefits from an onsite leisure centre, open to staff during the week and at weekends. It houses a gym with CV and weights machines, a swimming pool and offers regular exercise classes.