



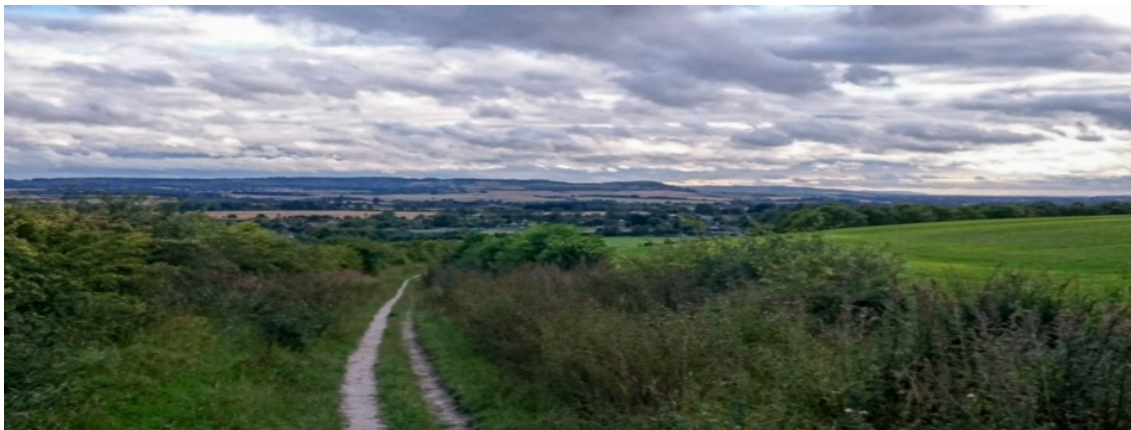
# Bedfordshire Hospitals

## NHS Foundation Trust

Bedfordshire Hospitals NHS Foundation Trust was formed on 1 April 2020 following the merger of Bedford Hospital and the Luton and Dunstable University Hospital.

### Luton and Dunstable Hospital

**Location :** The L&D is ideally situated, in south Bedfordshire, enjoying the best of town and countryside – we are minutes from the Chiltern Hills and Dunstable Downs and in just over half an hour, by train, you can be in London. We have excellent communication links to both the north and south of the country via the M1, and also to Europe, via London Luton Airport, which is under 5 miles from the hospital.



**Redevelopment :** At the Luton and Dunstable University Hospital site, we are planning development of an Acute Services Block and New Ward Block which are essential to support Maternity, Neonatology, Critical Care and Theatre services. This is planned to complete by the end of 2024.

Through this work, we will be able to:

- Tackle backlog maintenance and reduce risk in the highest risk areas (Critical care, Maternity, NICU and Theatres)
- Enable transformation of elective surgery through colocation of theatres
- Address national workforce challenges through a modern, flexible design
- Increase capacity
- Improve sustainability and efficiency
- Maintain and improve quality standards – Support patient-centred clinical services, with care delivered in modern, uplifting and fit for purpose environments
- Enable advances in medicine and technology



Proposed Plan after Redevelopment 2024

### Facilities:

**Medical Education:** We have very active Medical education department (COMET). The Medical Education Department is committed to the on-going training, development and education of the Trust's medical and clinical staff in line with the Trust objective to secure and develop a workforce to meet the needs of our patients and ensure our medical and dental clinical staff, have the ability, skills, knowledge and expertise to provide high quality, safe and effective services.

**Research and Development :** Clinical excellence at the L&D is supported by high quality research and a robust evidence base. The Trust aims to undertake high quality research that addresses issues of concern to the local population and to the NHS as a whole.

High quality research provides the evidence with which to practise 'evidence based-medicine'. Research is essential to the successful promotion and protection of health and wellbeing and to the provision of modern and effective health care services.

**Doctors Mess:** Based on the second floor of COMET, the junior medical & dental staff common room (Doctors' Mess) is open 24 hours a day, accessed via ID swipe card. It is a large room where medical & dental staff can relax and socialise with the added benefits of access to refreshments, television and PCs. The Mess is managed by a committee which is largely comprised of junior doctors. It meets every month to arrange social activities and to discuss key issues and actions. The committee welcomes suggestions and ideas from members, so please get involved.



## Anaesthetic Department Luton and Dunstable Hospital:

We are very friendly and cohesive anaesthetic department and take pride in our professional attitude and empathetic nature towards our patients and colleagues. We have 52 Consultants specialising in Head and neck, Obstetrics, Paediatrics, Bariatric, Trauma and Orthopaedics, Pain and Intensive care.

We also have 10 SAS doctors, 6 MTI doctors, 6 Senior Clinical fellows, 2 Junior Clinical fellows along with deanery approved posts for core trainees (4), ACCS trainees (6), ST trainees (6).

We have ample opportunities for training and development for CCT and CESR applications.

Full Training document attached.

**Rota and On call Team:** We have full compliment of rota and our trainees, Locally employed doctors and SAS doctors work as a team. Our on call team comprises of 3 registrars- each covering Intensive care, Delivery Suite and Theatres. They are also supported by 2 SHOs – 1 each for theatres and ITU. All of them along with 2 Consultants work together during out of hours and support each other in sharing the workload .

### **Oncall Facilities / Rest facilities:**

Trainees and Locally employed doctors benefit from allocated oncall rooms to rest during their night oncall if theatres / delivery suite is not busy. They can also use this room after the night shift before travelling back home to prevent fatigue and facilitate safe travel.

## Anaesthetic Training Opportunities at Luton and Dunstable Hospital

We have 16 main theatres covering specialities including Major Head and Neck, complex ENT, Bariatrics, Colorectal, Gynae-oncology, Regional, Paediatrics and Obstetrics. We also provide anaesthesia for Endoscopy, MRI, Dental, cardioversions and ECT and have a consultant-led Integrated Pain Service.

We have a busy Critical Care department, which currently has 18 beds separated into Covid and non-Covid areas.

### **Obstetrics:**

We have 5300 deliveries/year with a 30% epidural rate. Over 50% of our maternal population have anaesthetic involvement in their care. There is a close monitoring unit (CMU), staffed by HDU-trained midwives where Level 2 patients can be managed on the delivery suite. There are excellent training opportunities for high risk obstetrics, including joint cardiac clinics, haematology clinics, weekly high risk obstetric anaesthetic clinics and a monthly multidisciplinary meeting. We run separate lists for elective sections five days a week. There is always plenty going on in the department in terms of audit, research and QI projects and all juniors are expected to contribute and we have a strong record taking these forward to presentation at conferences. We have a neuraxial ultrasound machine and use regional blocks like TAP/QL for GA caesarean section.

We have a mannequin to assist the novice obstetric anaesthetists, and for those wishing to specialise in obstetric anaesthesia, we have applied for approval for Stage 3 training in Obstetrics.

### **Paediatrics:**

Our paediatric surgery lists include general surgery, urology, ENT, orthopaedics, dental and MRI. We anaesthetise around 2500 paediatrics cases annually, of which 900 children are under five years of age. We electively anaesthetise babies two months and above and assist in stabilisation and transfer to CATS team of all ages. We have a tertiary NICU whose graduates often need support out of hours; they are managed collaboratively between anaesthetics, paediatrics and neonatal teams. Trainees have many opportunities to get involved in their care and we have the highest CATS retrieval rate in the region – 45-50 children / year.

Paediatric orthopaedics: we anaesthetise complex children with multiple comorbidities and our paediatric support is set up to allow us safely to deliver these services.

We can offer stage 1 and stage 2 and Stage 3 (higher) training in paediatrics.

## **Head and Neck:**

We are regional centre for Maxillofacial and ENT surgery. We provide anaesthesia for complex ENT procedures: radical neck dissection, laryngectomies, head and neck oncology and reconstruction work (free flaps).

We are very proactive in airway teaching and encourage our trainees to use variety of airway equipment: Fibre optic scopes, a range of video laryngoscopes and jet ventilation. We recently hosted a joint airway seminar with ENT colleagues for all medical staff.

We can offer Stage 1, Stage 2 and Stage 3 training in Head and Neck.

## **Bariatrics:**

Luton is one of the biggest bariatric centres in the country. We anaesthetise 450 bariatric cases per year, with 1-2 bariatric lists/day, 5 days a week.

We also have five bariatric clinics per week, which trainees will attend during their bariatric module. There are opportunities to get involved in Obesity research and MDT discussions about management of complex bariatric patients.

We will be advertising for our bariatric fellowship soon. This will great opportunity for East of England trainees as there are very few Bariatric fellowships in the country.

## **Trauma and Regional**

Luton has a busy Trauma and Orthopaedic Unit. Between 2019-2020 in excess of 1200 anaesthetic procedures were conducted in Trauma theatres. 340 of those cases corresponded to patients presenting with proximal femoral fractures. Elective Orthopaedic lists include standard and complex procedures in both adults and paediatric patients. Ultrasound guided regional blocks are essential in this area of anaesthesia and next generation ultrasound machines are available for surgical lists and regular training.

We perform regional techniques on patients presenting with rib fractures (SAP/ESP blocks), NOFF (Fascia Iliaca, PENG or individual nerve blocks) and in some cases this extends to the placement of peripheral catheters with continuous local anaesthetic infusions. The benefit of these regional interventions is primordial on enhanced recovery pathways particularly after major joint replacements. From the Hospital to the community our interventions on patients are followed up by the Hospital at home team. This service care for patients with nerve block catheters including but not limited to patients presenting with rib fractures or those who have total shoulders/elbows replacements.

We also conduct regular training workshops for our trainees and appointed a regional anaesthesia fellow. We have recently introduced a block room in a new theatre complex which provides dedicated training opportunities and facilitates an efficient patient pathway.

We can offer Stage 1, 2 and Stage 3 training in regional anaesthesia.

## **Preassessment**

We have a new bespoke Preassessment Unit for the assessment of all non-obstetric patients aside from ophthalmology, bariatrics and complex head and neck (these have separate pathways). There is a daily clinic staffed by a consultant anaesthetist and supported by nursing staff and a pharmacist. The anaesthetists see 15-20 high risk patients a week for optimisation and counselling ahead of surgery. In addition, they review patients' records in which the nursing staff have raised concerns and make ongoing plans for surgery. Trainees are invited to attend these high risk clinics as part of the Peri-operative module, during which time they can shadow a consultant or make their own reviews under supervision. We have an Enhanced Recovery team who run clinics alongside the preassessment clinic which trainees will also attend.

## **Pain Module**

Our integrated pain service provides a comprehensive training experience with participation in consultant and nurse led acute pain ward rounds, multidisciplinary team meetings, outpatient pain clinics and injections lists. Trainees are encouraged to participate in teaching and audits with sign off under the auspices of Royal College Pain Faculty tutor. The feedback so far from trainees in this module has been excellent.

## **Critical Care**

Luton has a busy critical care unit. ITU 1 consists of 7 beds and ITU 2 has 11 beds. Since the COVID pandemic ITU 2 has been allocated to COVID patients and ITU 1 for non COVID patients, with both units located on the same floor and able to manage level 3 patients. Construction of a new Critical Care Unit with more beds is planned. Six CVVHF devices can run concurrently. Trainees will get the opportunity of managing critically ill patients with complex medical needs requiring multiple organ support. Senior trainees taking the FFICM exam are well supported and there is a structured teaching program with named consultant intensivists allocated for specified topics. Trainees will have the opportunity to improve their practical skills (invasive lines, percutaneous tracheostomy, chest drains). There are twice-daily ward rounds with bedside teaching. There are monthly dedicated ITU governance meetings with M&M which trainees attend and present cases. There are opportunities to conduct clinical audits and quality improvement programmes and to participate in clinical trials.

## **Clinical Governance**

We have very active and productive Clinical Governance department and trainees are involved in QI projects. Recently we had eight abstracts published at the AAGBI WSM as poster presentations.

## **Other regular training and courses offered**

In addition to local departmental teaching, trainees are involved in organisation of the teaching program, both at a local and regional level.

Exam preparation: There is viva support available to all trainees and locally employed doctors preparing for both the Primary and Final FRCA as well as mentorship support for those needing extra support.

Joint paediatric/ ED/ Anaesthetic simulation days – 1 /month, two trainees attend on a rotational basis.

CATS Study days: 2 days/year

Fibreoptic/ Airway day – 2 days/year

### **Regional study day**

PROMPT (PRactical Obstetric Multi-Professional Training) course: 1 /month

## Training offered in the following anaesthetic domains

### Anaesthetic Curriculum 2021

Domain	Stage 1	Stage 2	Stage 3
Generic Professional domains GPC <ul style="list-style-type: none"> <li>- Professional Behaviour and communication</li> <li>- Management and Professional regulatory requirement</li> <li>- Team working</li> <li>- Safety and Quality Improvement</li> <li>- Safeguarding</li> <li>- Education and Training</li> <li>- Research and Managing Data</li> </ul>	√	√	√
Perioperative medicine and health promotion Except neuro and cardiac clinics	√	√	√
General Anaesthesia Except Neuro/cardiac	√	√	√
Regional Anaesthesia	√	√	√
Resuscitation and Transfer	√	√	√
Sedation	√	√	√
Pain	√	√	? need for intervention procedures
Intensive Care	√	√	√

### Anaesthesia for special interest

Anaesthesia for Bariatric surgery  
 Anaesthesia for Complex airway surgery  
 Obstetrics anaesthesia  
 Acute pain  
 Anaesthesia for major General surgery  
 Perioperative medicine  
 Regional anaesthesia

# Management and Leadership opportunities in Luton and Dunstable Hospital

## Anaesthetic Trainees

<p>Education</p>	<p>Organisation of teaching Programme  FRCA teaching to juniors  Running Journal clubs  Trainee Representative  Critical appraisal of teaching programme  Providing active feedback  Organisation of regional teaching/airway workshops  Human factors training</p>
<p>Clinical Governance</p>	<p>Training in and involvement in investigating serious incident investigation  Involvement in writing report for coroners or medico legal purpose  Leadership of Quality improvement project  Working with Clinical Governance lead</p>
<p>Courses and e learning</p>	<p>Leadership and management courses  Equality and Diversity  Train the trainer course  Generic Instructor course  Anaesthetists as Educators  Postgraduate diploma in Medical Education- PG Cert</p>
<p>Working/secondment with wider trust management team</p>	<p>Attendance at trust and board level meetings  Training sessions with members of senior board management including clinical directors, medical directors  Attending labour ward forums, MDTs.  Attending meetings in BLMK/ICS with Dr Mulla</p>