**Undergraduate Education in Anaesthesia at GSTT**

**Introduction**

The Anaesthesia department at Guy’s and St Thomas’ Hospitals has a rich tradition of delivering high quality undergraduate teaching to students from King’s College London GKT School of Medical Education. King’s is the largest centre for the education of doctors, dentists and other healthcare professionals in Europe. It was formed by the merger of the associated medical and dental schools of Guy’s, King’s College and St Thomas’ Hospitals.

Hodgkin Building on Guy’s Campus, the original medical school building of Guy’s Hospital.

**MBBS 2020 curriculum**

In September 2016, King’s started the phased introduction of a new MBBS 2020 curriculum. The aim is to modernise medical education and equip a new generation of doctors with the values and capabilities required to continue providing high quality care in a rapidly changing health and social care environment.

MBBS Curriculum 2020 provides meaningful early patient experience and has three stages:

* **Stage 1 Foundations of Medicine (Year 1)**: introduces the foundations of biomedical sciences, population sciences and risk management while students develop their clinical skills in safe simulated learning environments.
* **Stage 2 From Science to Clinical Practice (Years 2 and 3)**: brings together science and clinical practice in blocks organised around common pathological processes and the human life-cycle. Students will also follow a panel of patients in general practice and in mental health throughout each year to develop a better understanding of care pathways.
* **Stage 3 Integrated Clinical Practice (Years 4 and 5)**: helps students to integrate and consolidate their clinical capabilities and begin to contribute, under direct supervision, to the care of patients with acute and long-term conditions.

**Role of Anaesthesia in the new curriculum**

**EMCC module**

In Stage 3 year 4, undergraduate education in Anaesthesia, Intensive Care, Accident and Emergency is delivered as part of a eight week long EMCC (Emergency Medicine Critical Care) module. The existing anaesthesia undergraduate education programme was revamped to meet the requirements of the new syllabus for the first batch of year 4 students who came to us in September 2016.

The current Anaesthesia education programme for the EMCC module consists of the following classroom based teaching and clinical learning placements:

* **Anaesthesia Induction Programme:** half-day class room based interactive teaching session covering history and theory of anaesthesia, pharmacology of anaesthetic and pain medications, pre-operative assessment and optimisation, peri operative conduct of anaesthesia.
* **Life support refresher programme:** half day session in the Chantler simulation suite comprising of mannequin based practice of basic and advanced airway skills and cardiac arrhythmia management.
* **Problem based learning:** tutorials covering evidence based diagnosis and management of specific clinical scenarios like the acutely deteriorating ward patient and anaphylaxis.
* **EMCC study day:** a full day of interactive teaching covering topics like ABG interpretation, use of ultrasound, basic and advanced venous access, non-invasive ventilation, simulation scenarios delivered by a multi-disciplinary faculty.
* **Clinical placement in operating theatres and recovery areas**
* **Clinical placement in the anaesthetic pre-operative assessment clinics**
* **Clinical placement on the acute pain ward rounds**

**Stage 2 Year 2**

From September 2017, the anaesthesia and critical care departments of GSTT will be teaching the Life sciences module to the very first batch of stage 2 year 2 medical students on the 2020 curriculum.

 **Other undergraduate educational activities**

* Anaesthetic consultants and senior trainees regularly serve as examiners for the medical school’s formative and summative OSCEs.
* Many consultant anaesthetists provide valuable support to medical students throughout their training as Educational supervisors, Clinical supervisors and Educational advisers.
* Several popular SSC (Student Selected Components) programmes are organised and run by GSTT anaesthetists.
* Anaesthetists are also involved in delivering education and supervised learning opportunities to nursing and dental students, the Graduate entry programme students and overseas medical students who are part of the GKT electives Medical school programme.

A selection of the previously mentioned teaching presentations can be found on this website. The GSTT anaesthesia undergraduate teaching programme is constantly evolving in keeping with student and faculty feedback and the ongoing transition to the new curriculum

We are always on the lookout for enthusiastic healthcare professionals at GSTT to join our team in delivering high quality education to our undergraduate students. Queries are welcome and should be directed to Dr Sohini Sengupta, Consultant Anaesthetist and Lead for Undergraduate Education in Anaesthesia (email: sohini.sengupta@gstt.nhs.uk).

1. MBBS 2020 and it’s implication for Anaesthesia: PPT presentation
2. Anaesthesia Induction Programme
3. Introduction
4. Theory and practice of anaesthesia
5. Pre operative assessment
6. Peri-operative care
7. Problem based learning presentations