

The Faculty of Intensive Care Medicine

ICM Unit Brief

Part 1 Hospital Details

1.1 Hospital name

1.2 Full address (you **must** include postcode)

1.3 Hospital Telephone number

Part 2 ICU Department contact details

2.1 Direct telephone number to Department

2.2 Department Email address

2.3 Home page of departmental website

2.4 Faculty Tutor name

2.5 Faculty Tutor Email address

Part 3 Unit Structure

3.1 Number of Consultants

3.2 Percentage of elective vs emergency admissions

3.3 Overview of case mix within the unit

This unit admits over 1200 patients per annum in 16 mixed Level 3 & 2 beds. A new 24 bed ICU is currently under construction and is due to open in January 2022. This will boast significant improvements in both teaching facilities, including a dedicated simulation suite and on-call facilities for staff. The patients are evenly split between medicine and surgery. Medical patients come from unselected acute medical intake to the hospital. In addition, the hospital is the designated 24/7 primary PCI centre for the whole of Kent, therefore there are a significant number of patients admitted following acute coronary events and/or out of hospital cardiac arrest. The elective surgical cases include post-operative major upper and lower GI surgery, complex head & neck including maxillo-facial surgery and Trauma & Orthopaedic patients. On average 50% patients receive invasive mechanical ventilation and 16% receive Renal Replacement Therapy.

3.4 Details of training opportunities on the unit

Highlight of the clinical experience is the exposure to a high volume case mix of emergency general medical patients of varied specialities (including post-primary PCI) and both elective and emergency surgical patients. Organ support provided in the unit includes invasive and non-invasive ventilation, renal replacement therapy, therapeutic hypothermia and IABP. Locally developed guideline utilises advanced ventilator modes (e.g. ASV, APRV) and special therapies (e.g. Proning, Levosimendan, intermittent haemodialysis). Invasive cardiovascular/respiratory monitoring with FlowTrac & PiCCO devices & transpulmonary catheters are used to guide clinical judgement. Senior trainees are delegated sections of ward round to manage and liaise with consultant on duty, and also offered supervised non-resident night on-calls, preparing them for them for future independent consultant practice. They will be encouraged to attend steering group meetings and other relevant management meetings. The ICM speciality works in close relationship with other specialities in the hospital. This creates opportunity to learn and develop special skills e.g. Airway skill and Bronchoscopy.

There are plenty of opportunities for teaching, supervising and mentoring (medical students, FY and CT doctors from different specialities attached to the ICU). In addition, higher speciality trainees are actively encouraged to select and run any of the on-going service development projects to develop their leadership skills.

Two ICM consultant with BSE qualification and further three with FICE offer excellent opportunity to complete FICE accreditation and lung ultrasound, which is actively encouraged.

3.5 Names of Consultants, roles and areas of interest

Name	Role (eg clinical lead, consultant)	Areas of interest
Dr Mark Snazelle	Trust ICU Lead	FICE Supervisor. Echocardiography, Advanced Cardiac support
Dr Christopher Toner	Consultant Anaesthetist/ Intensivist	M&M, Medical student Lead
Dr Debkumar Pandit	TPD ICM HEKSS	Sepsis
Dr Neil Richardson	Faculty Tutor, LFG Lead	Research
Dr Christine Vimalanathan	Organ Donation Lead	Simulation
Dr Sebastien Roques	Associate Specialist Intensivist	ECHO, respiratory medicine
Dr Prashant Parulekar	Consultant AIM/Intensivist	FICE Supervisor, Echocardiography
Dr Simon Hill	Consultant Anaesthetist/ Intensivist	Equipment, IT for ICU
Dr Jonathon Leung	Consultant Emergency Medicine & HEMS	PHEM, Point of care ultrasound
Dr Ruth Tighe	Consultant Anaesthetist/ Intensivist	Developing world Anaesthesia/ICM,

3.6 Details of research projects being undertaken within the unit

Current NIHR portfolio studies:

- Recovery
- FLO-ELA
- SIGNET

Novel research projects on echo and lung ultrasound applied to critical care.

Use of transpulmonary pressure to guide ventilator strategy.

The unit participates in the ICNARC case mix programme.

Part 4 Training

4.1 Details of departmental teaching

Days

Half day per week protected formal teaching delivered / supervised by ICM consultants to include teaching ward round, sit down tutorial on topics (mapped to ICM curriculum), micro teaching on statistics and how to read journal article and / or journal club delivered by clinical librarian.

Trainees are encouraged to attend the weekly medical grand round / radiology meeting. Moreover, there are daily opportunities of informal teaching on ward rounds including microbiology round.

4.2 Details of clinical governance meetings and / or M & M

Bi monthly ICM consultant led M&M meeting to discuss all cases of death and morbidity in the unit, including decision if Structured Judgement Review is necessary and to action other patient care issues. Regular multidisciplinary M&M meetings are organised with medical and surgical specialities. In addition, ICM takes part in the monthly half day surgical services divisional audit and governance and education day. Senior trainees are encouraged to attend the Monthly Trust Critical Care Steering Group meeting.

4.3 Details of inhouse courses available

FICE: Facilitated by 2 BSE accredited ICM consultant and 3 FICE supervisors
 Advance Ventilation Study Day
 Transfer of Critically Ill patients
 Medium Fidelity Critical care and Trauma Team Management Simulation
 Managing Organ Donation in Simulator (MODUS)
 ALS, ATLS
 Tracheostomy Emergencies Simulation

4.4 Details of junior doctor shift patterns (including on call)

- Full shift 1 in 6 rota with prospective cover.
- On-call shifts: Day 08:15 to 21:00, Night: 20:30 to 09:15.
- Non-On-call shifts: Day: 08:15 to 17:15; Half day: 08:15 to 13:00
- Higher speciality trainees - Supported Professional Activity time on average 2 hrs every week.
- On-calls are currently 3 juniors per shift plus additional locums if needed in surge periods (COVID).

4.5 Details of senior doctor shift patterns (including on call)

Dedicated 24/7 ICM consultant cover fully compliant of the 2013 GPICS recommendation

Weekdays: 8am to 10pm: Resident ICM Consultant, 10pm to 8am: ICM consultant on-call.
 8am to 6pm Resident ICM 2nd on consultant

Weekend: ICM Consultant on-call, resident times during day. Sometimes second Consultant during the day.

Part 5**Additional information****5.1 Please provide any additional information about the unit**

WHH ITU is well known for its reputation for high quality ICM training and mentoring and is evident from the testimonials of the previous trainees. The cohort of energetic and enthusiastic ICM consultants offers numerous opportunities to undertake quality improvement projects. We are currently in the process of developing special interest module in Critical care Simulation and Echocardiography, ideally suited for the advanced ICM trainees. The unit enjoys a very good relationship with Anaesthetic, Emergency Medicine and Acute medical specialities through ICM consultants with dual training in respective specialities, which enable smooth running of cross speciality projects.

Ashford is an expanding business and agricultural centre and has an International Station linking it to the Continent via the Channel Tunnel. Regular High Speed (HS1) rail service provides easy access to central London in 40 minutes. There are many areas of unspoilt countryside and a wide variety of quiet secluded beaches. The Stour valley runs through the area and there are areas of great natural beauty and charm. The Thanet coast is on a list of best wildlife sites in Europe. Places of historic interest include Canterbury Cathedral, Dover, Deal and Walmer castles. There are also outstanding sporting facilities, both indoor and outdoor. Sports associated with the coast such as sailing, windsurfing and kite surfing are well served and golfers can enjoy many courses, including championship golf courses.