

# The Faculty of Intensive Care Medicine

## ICM Unit Brief

### Part 1 Hospital Details

#### 1.1 Hospital name

Royal Surrey County Hospital

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

Critical Care Unit  
Royal Surrey County Hospital NHS Foundation Trust  
Egerton Road  
Guildford  
Surrey  
GU2 7XX

#### 1.3 Hospital Telephone number

01483 571122

### Part 2 ICU Department contact details

#### 2.1 Direct telephone number to Department

01483 464025

#### 2.2 Faculty Tutor name

DR AMISH PATEL

#### 2.3 Faculty Tutor Email address

amishpatel@nhs.net

### Part 3 Unit Structure

#### 3.1 Number of Beds

29

#### 3.2 Number of admissions

1400

#### 3.3 Percentage of elective vs emergency admissions

45% elective / 55% emergency 1350 admissions per year

### 3.4 Overview of case mix within the unit

The Unit is situated adjacent to the Operating Theatre suite and has recently undergone a new extension and refurbishment. There are now 13 level three and 16 level two bed spaces including seven cubicles and the unit is generally full to capacity. The Intensive Care unit has undergone a rapid expansion in the last 3 years, associated with the expansion of specialist cancer services. Over 1350 patients are admitted annually with approximately 55% coming from surgical specialties.

The unit now has the latest Fukada monitors and is paperless using the Phillips ICCA system. Puriton-Bennett ventilators are in use along with Prisma / Prismaflex renal replacement machines. A number of separate non-invasive ventilators are available for ventilatory support together with LiDCO, ODM and portable USCOM cardiac output measurement. The intensive care unit also has a high resolution portable ultrasound system for clinicians' use.

The Intensive Care Unit (together with the anaesthetic department) has become well known for using Enhanced Recovery and Goal Directed Therapy for all major surgical cases. The hospital attracts many tertiary referral cases relating to hepatobiliary, oesophagogastric and robotic urological surgery. In particular specialist expertise has been developed in the management of severe acute pancreatitis, small liver/ hepatic failure in both surgical and medical patients and perforated oesophagus. There is also expertise in managing critically ill haematology / oncology patients with the St.Luke's Cancer Centre being co – located on the Royal Surrey site.

A nurse led Outreach service is firmly established in the hospital cover 18 hours per day, seven days per week. 3 Consultant Intensivists are on duty per dayshift, 2 covering the ICU and 1 covering outreach. There is Consultant presence on the unit from 0800-2230h daily and then on call and available from home outside these hours, providing 24/7 cover. The consultants carry out ward rounds 3 times per day. Daily rounds also take place from admitting teams, pharmacy, physiotherapy, microbiology, SALT, dietetics and the parenteral nutrition team. MDT meetings are held twice weekly.

The Intensive Care Unit is covered 24 hours by three tiers of 8 junior doctors. At present 2 of the trainees are Advanced/Intermediate Level ICM trainees, the other doctors coming from the full range of specialties. The unit is recognised by the FICM for training in intensive care at all levels. A full educational program is provided to the trainee doctors. A monthly morbidity, mortality and microbiological meeting are held. Regular evening clinical focus meetings are held.

In summary the RSCH ICU delivers general adult critical care in conjunction with specialist expertise in high risk cancer surgery, enhanced recovery and haem-onc.

### 3.5 Names of Consultants, roles and areas of interest

Name	Role (e.g. clinical lead, consultant)	Areas of Interest
DR AMISH PATEL	CLINICAL DIRECTOR ICM INTENSIVIST & ANAESTHETIST	FICM TUTOR / RCOA FRCA EXAMINER / HPB ANAESTHESIA
DR MIKE CARRARETTO	INTENSIVIST & ANAESTHETIST	MANAGEMENT / PSYCHOLOGY OF CRITICALLY ILL PATIENTS
DR MEHRUN ZULEIKA	INTENSIVIST & ANAESTHETIST	RESEARCH / TRUST SEPSIS LEAD / UPPER GI SURGERY
DR KRIS CARTER	INTENSIVIST & ANAESTHETIST	HEAD & NECK CANCER
DR JANE TILLEY	INTENSIVIST & ANAESTHETIST	DIRECTOR OF MEDICAL EDUCATION
DR JAMES MCKINLAY	INTENSIVIST & ANAESTHETIST	RESEARCH
DR JUSTIN KIRK BAYLEY	INTENSIVIST & ANAESTHETIST CLINICAL LEAD ICM PROFESSIONAL DIRECTOR OF THERAPEUTICS	FICE / CUSIC / RESEARCH
DR BEN CREAGH BROWN	INTENSIVIST & RESPIRATORY PHYSICIAN	RESEARCH / ARDS / RESPIRATORY FAILURE
DR EDWARD WALTER	INTENSIVIST & ANAESTHETIST	PRE HOSPITAL CARE / RENAL THERAPIES / POST ICU CARE / HYPERTHERMIA
PROFESSOR LUI FORNI	INTENSIVIST & NEPHROLOGIST	AKI / RENAL THERAPIES / BIOMARKERS / RESEARCH
DR BETH POTTER	INTENSIVIST & ANAESTHETIST	RESEARCH
DR RACHEL SAVINE	INTENSIVIST & ANAESTHETIST	HIGH RISK OBSTETRICS / MEDICAL EDUCATION
DR MICHELE BOSSY	INTENSIVIST & ANAESTHETIST	MEDICAL EDUCATION / TRANSFER MEDICINE / SIMULATION

### 3.6 Details of research projects being undertaken within the unit

Research activity in anaesthesia and critical care is well established with patients enrolled into large multi-centre trials as well as local investigator-led trials predominantly regarding enhanced recovery, cardiac output monitoring and optimisation of fluid resuscitation and analgesia. Projects in development include collaborations with the pharmaceutical industry, the University of Surrey and further afield. Other areas of research activity include muscle stimulation, cardiopulmonary exercise testing, management of pre-operative anaemia, use of markers preload responsiveness for sepsis resuscitation, and the use of novel imaging technologies. The Surrey Perioperative Anaesthesia Critical care collaborative Research Group (SPACeR) (<http://www.spacer.org.uk/>) oversee the departmental research and there are links with the University of Surrey. Several clinicians hold honorary lecturer positions at the University. There are currently 4 research fellows based in anaesthesia and 4 in ICU. A high proportion of research fellows are expected to register for, and acquire, higher degrees and publication in peer-reviewed journals. Further information on the research activity may be found on the website (<http://www.spacer.org.uk/>)

### 3.7 How is the unit staffed

12 Consultant Intensivists / 3 Consultants on per day / 1 Consultant on call at night  
24 junior doctors (8SSR / 8 middle grade / 8 SHO level)

## Part 4 Training

### 4.1 Details of training opportunities on the unit

ICM training to advanced accreditation level  
Research – local investigator studies, regional, national and international  
Management module for senior trainees  
ECHO training (FICE)  
Ultrasound training (CUSIC / POCUS)  
ICM Simulation  
Bronchoscopy training  
Weekly Consultant Radiologist delivered radiology teaching

### 4.2 Details of departmental teaching

Days

Weekly curriculum mapped teaching programme – Consultant led

Journal Club

### 4.3 Details of clinical governance meetings and / or M & M

Monthly M & M meetings combined with clinical governance meetings

### 4.4 Number of trainees on each tier of the rota

8 Junior tier  
8 Senior tier  
8 SSR tier