

The Faculty of Intensive Care Medicine

ICM Unit Brief

Part 1 Hospital Details

1.1 Hospital name

Royal Infirmary of Edinburgh

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

Department of Critical Care
Royal Infirmary of Edinburgh
51 Little France Crescent
Edinburgh
EH16 4SA

1.3 Hospital Telephone number

0131 536 1000

Part 2 ICU Department contact details

2.1 Direct telephone number to Department

0131 242 1186

2.2 Faculty Tutor name

Dr Oliver Robinson

2.3 Faculty Tutor Email address

oliver.robinson@nhslothian.scot.nhs.uk

Part 3 Unit Structure

3.1 Number of Beds

40 (21 level 3, 19 level 2)

3.2 Number of admissions

Approximately 3000 admissions per annum.

3.3 Percentage of elective vs emergency admissions

15 % of ICU and 27% of HDU admissions are elective.

3.4 Overview of case mix within the unit.

The unit has a diverse case mix. There is a high acuity to the workload, with patients admitted from a busy emergency department with a wide range of emergency medical and surgical presentations. The mean APACHE II score for ICU admissions is 22. The RIE is also home to a number of regional and national services: it is the Scottish liver transplant centre (100 liver transplants/year) and tertiary centre for neurosciences, hepatobiliary, upper GI surgery, vascular surgery, interventional radiology and obstetrics. We offer an ECMO CPR programme. The Royal Infirmary is also a major trauma centre supporting the South-East Scotland major trauma network.

3.5 Names of Consultants, roles and areas of interest

Name	Role (eg clinical lead, consultant)	Interests
Ahmad Abu-Arafah	Consultant in general and cardiac critical care / anaesthesia	Echo Education
Thomas Anderson	Consultant Critical Care / Anaesthesia	Neuro ICU
Professor Kenneth Baillie	Wellcome-Beit Fellow Honorary Consultant in Critical Care	Translational genomics in critical care medicine
Rosaleen Baruah	Consultant in Critical Care / Anaesthesia	Neuro ICU Point of care Ultrasound
Monika Beatty	Consultant in Critical Care Lead Regional Advisor in ICM for Scotland	FFICM Examiner Medical Ethics and Law
Murray Blackstock	Consultant in Critical care / Anaesthesia	Neuro ICU Point of care Ultrasound
David Cameron	Consultant in Critical Care/Transplant Anaesthesia	Acute Liver Failure
Thomas Craven	Consultant in Critical Care NRS Fellow	Novel lung imaging M&M lead
Annemarie Docherty	Wellcome Fellow Honorary Consultant in Critical Care	Routine healthcare data to inform novel trial design in heterogeneous critical care populations.
Mark Dunn	Consultant in Critical Care/ Scottish Emergency Medical Retrieval Service	Pre-Hospital Medicine Extra-Corporeal Life Support (ECLS)
Cameron Ferguson	Consultant in Critical Care / Anaesthesia	
Gilly Fleming	Consultant in Critical Care	Undergraduate teaching Simulation
Alistair Gibson	Consultant in Critical Care/Anaesthesia Faculty Tutor Foundation Programme Director	FICE / CUSIC Education and training
Professor Michael Gillies	Consultant in Critical Care Associate Medical Director Honorary Professor University of Edinburgh	Research: perioperative medicine and ARDS. Echo, ECLS
Stuart Gillon	Consultant in General and Cardiac Critical Care Departmental Clinical Lead	Echo, ECLS
David Griffith	Consultant in Critical Care/Anaesthesia	Research: inflammation and functional recovery. Lead for

	Senior Research Fellow University of Edinburgh	BMedSci and online Critical Care Msc
David Hall	RAF Consultant in Anaesthesia and Critical Care	Point of care Ultrasound Aeromedical transport of the critically ill.
Louise Hartley	Consultant in General and Cardiac Critical Care	ECLS lead
Alasdair Hurry	Consultant in Critical Care / Anaesthesia	Quality Improvement lead
Kallirroi Kefala	Consultant in Critical Care/ Respiratory Medicine/ Sleep. Clinical Director.	ARDS and VAP research
Dean Kerslake	Consultant in Critical Care /Emergency Medicine Major Trauma Centre Clinical Director	Trauma, ultrasound, ECLS, pre- hospital medicine.
Nazir Lone	Senior Clinical Lecturer Honorary Consultant in Critical Care	Research: epidemiology of critical care
Gregor McNeil	Consultant in Critical Care ACCP co lead	Echo ECLS
Scott McNeill	Consultant in Critical Care/Transplant Anaesthesia	Acute liver failure Undergraduate education
Thalia Monroe-Somerville	Consultant in Critical Care/Anaesthesia	Simulation Undergraduate education
Alastair Morgan	Consultant in Critical Care/Anaesthesia	Education Point of care ultrasound
Grant Price	Consultant in Critical Care/Anaesthesia	Echo, ultrasound ECLS
Jonathan Rhodes	Consultant in Critical Care/Anaesthesia Honorary reader University of Edinburgh. Lead for neuro-intensive care research	Neuro ICU Multimodality neuro monitoring
Oliver Robinson	Consultant in Critical Care/Transplant Anaesthesia	Acute Liver Failure Clinical Lead for Organ Donation ICU Trainee Rota coordinator Faculty tutor
David Semple	Consultant in Critical Care/Anaesthesia Regional Advisor in Anaesthesia	Orthopaedic regional anaesthesia Ultrasound
Jennifer Service	Consultant in Critical Care/Anaesthesia	Simulation
Charles Wallis	Consultant in Critical Care/Anaesthesia	Organ donation Neuro ICU

Professor Tim Walsh	Professor of Critical Care, Anaesthesia and Pain Medicine. Chair Scottish Critical Care Trials Group. Lead of Edinburgh Critical Care Research group.	Research: blood transfusion, recovery from critical illness, sedation management in the ICU.
Frauke Weidanz	Consultant in critical care and acute medicine ACCP co lead	Education
Elizabeth Wilson	Consultant in Critical Care/Anaesthesia Lead for follow up service	ICU Follow up and delirium FFICM Examiner
Neil Young	Consultant in Critical Care/Anaesthesia Training Programme Director South East Scotland ICM	Echo, Undergraduate teaching

3.6 Details of research projects being undertaken within the unit

The Department has a strong academic history and is actively involved in a wide range of world leading research. The critical care research group runs a diverse range of clinical and translational studies. The Edinburgh Critical Care Research Group is led by Professor Tim Walsh and further information regarding the wide range of research projects the group has been involved in can be found at;

<http://www.ed.ac.uk/clinical-sciences/divisionpgdi/anaesthesia>

<http://www.ed.ac.uk/clinical-sciences/divisionpgdi/anaesthesia/eccr-g-tweets>

3.7 How is the unit staffed

The unit is staffed by consultants, doctors in training, clinical fellows, advanced critical care practitioners, nurses, specialist pharmacists, dieticians and physiotherapists. Four consultants cover the unit during the day with two on call overnight one of whom is resident in the department until midnight. There is a high level of direct consultant presence in the unit. The trainee rota is a two tier rota that is made up of doctors in training and clinical fellows. ACCPs work collaboratively with the medical staff on the unit.

4.1 Details of training opportunities on the unit

Twelve of the consultants are FICE mentors, and we are able to support all ICM trainees in achieving FICE accreditation. Ultrasound use is well established and there are ample training opportunities in chest and emergency ultrasound with a further 6 FUSIC mentors in the department. There is a group of consultants with an interest in extracorporeal life support. We offer an ECPR programme. The unit is home to the Department of clinical neurosciences and the Scottish Liver Transplant unit: we offer training and expertise in the management of acute liver failure. We are one of four major trauma centres in Scotland.

4.2 Details of departmental teaching days

There is one afternoon per month of protected teaching time – with a range of expert presenters to cover core ICM teaching topics. Weekly 1 hour journal club with some international speakers. Monthly FFICM preparation course. Monthly radiology meetings.

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

M&M meeting: 1 hour per week.
Grand round: 1 hour per week.
Trauma governance: 1 hour per month.
Departmental Quality Improvement Team Meetings every 2 months.
Trainees are welcome and encouraged to attend these meetings.

4.4 Number of trainees on each tier of the rota

At present there are 19 doctors on the junior rota tier and 15 on the senior rota tier.