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 Alistair Gibson

2.3 Faculty Tutor Email address
alistair.gibson@nhslothian.scot.nhs.uk

Part 3  Unit Structure

3.1 Number of Beds
29 (18 level 3, 11 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 19. The RIE is also home to a number of regional and national services: it is the Scottish liver transplant centre (125 liver transplants/year) and tertiary centre for hepatobiliary, trauma, upper GI and vascular surgery, interventional radiology and obstetrics. We offer extra-corporeal carbon dioxide removal (ECCOR) and are piloting an ECMO CPR programme. In the next 12 months neurosciences will come on site and critical care will expand to 42 beds.
### 3.5 Names of Consultants, roles and areas of interest

<table>
<thead>
<tr>
<th>Name</th>
<th>Role (eg clinical lead, consultant)</th>
<th>Areas of interest</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kenneth Baillie</td>
<td>Wellcome-Beit Fellow Honorary Consultant in Critical Care</td>
<td>Translational genomics in critical care medicine</td>
</tr>
<tr>
<td>Monika Beatty</td>
<td>Consultant in Critical Care Lead Regional Advisor in ICM for Scotland</td>
<td>FFICM Examiner Medical Ethics and Law</td>
</tr>
<tr>
<td>David Cameron</td>
<td>Consultant in Critical Care/Transplant Anaesthesia</td>
<td>Acute Liver Failure</td>
</tr>
<tr>
<td>Brian Cook</td>
<td>Consultant Critical Care/Anaesthesia Medical Director NHS Lothian</td>
<td>Chair Scottish Critical Care Delivery Group</td>
</tr>
<tr>
<td>Thomas Craven</td>
<td>Consultant in Critical Care</td>
<td>Novel lung imaging</td>
</tr>
<tr>
<td>Annemarie Docherty</td>
<td>Wellcome Fellow Honorary Consultant in Critical Care</td>
<td>Routine healthcare data to inform novel trial design in heterogeneous critical care populations.</td>
</tr>
<tr>
<td>Mark Dunn</td>
<td>Consultant in Critical Care/Scottish Emergency Medical Retrieval Service</td>
<td>Pre-Hospital Medicine Extra-Corporeal Life Support (ECLS)</td>
</tr>
<tr>
<td>Alistair Gibson</td>
<td>Consultant in Critical Care/Anaesthesia Faculty Tutor Foundation Programme Director</td>
<td>FICE / CUSIC ECLS Education and training</td>
</tr>
<tr>
<td>Michael Gillies</td>
<td>Consultant in Critical Care Associate Medical Director Honorory Clinical Reader University of Edinburgh</td>
<td>Research: perioperative medicine and ARDS. Echo, ECLS</td>
</tr>
<tr>
<td>Stuart Gillon</td>
<td>Consultant in General and Cardiac Critical Care</td>
<td>Echo, ECLS</td>
</tr>
<tr>
<td>David Griffith</td>
<td>Consultant in Critical Care/Anaesthesia Senior Research Fellow University of Edinburgh</td>
<td>Research: inflammation and functional recovery. Lead for BMedSci</td>
</tr>
<tr>
<td>Alasdair Hay</td>
<td>Consultant in Critical Care</td>
<td>Evidence Based Medicine, ECLS</td>
</tr>
<tr>
<td>Kallirrooi Kefala</td>
<td>Consultant in Critical Care/Respiratory Medicine/ Sleep. Clinical Director.</td>
<td>ARDS and VAP research</td>
</tr>
<tr>
<td>Dean Kerslake</td>
<td>Consultant in Critical Care/Emergency Medicine Major Trauma Centre Clinical Director</td>
<td>Trauma, ultrasound, ECLS, pre-hospital medicine.</td>
</tr>
<tr>
<td>Alistair Lee</td>
<td>Consultant Critical Care/Transplant Anaesthesia</td>
<td>Acute Liver Failure</td>
</tr>
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</table>
### Unit Brief v1

#### 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)
- [http://www.ed.ac.uk/clinical-sciences/divisionpgdi/anaesthesia/eccrg-twitter](http://www.ed.ac.uk/clinical-sciences/divisionpgdi/anaesthesia/eccrg-twitter)

#### 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.

Three consultants cover the unit during the day with two on call overnight. There is a high level of direct consultant presence in the unit. When neurosciences moves on site in 2018 there will be direct consultant presence until midnight.

The trainee rota is a two tier rota that is made up of doctors in training and clinical fellows.
Part 4  Training

4.1 Details of training opportunities on the unit

Eight 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. There is a group of consultants with an interest in extracorporeal life support. We offer ECCOR on the unit and are piloting an ECPR programme. The unit is home to the Scottish Liver Transplant unit: we offer training and expertise in the management of acute liver failure. We will be one of four major trauma centres in Scotland, and in 2019 will have neurosciences on site.

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 12 doctors on the junior rota tier and 7 on the senior rota tier.