

# The Faculty of Intensive Care Medicine

## ICM Unit Brief

### Part 1 Hospital Details

#### 1.1 Hospital name

Papworth Hospital NHS Trust

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

Papworth Everard  
Cambridgeshire  
CB23 8RE

#### 1.3 Hospital Telephone number

01480 830541

### Part 2 ICU Department contact details

#### 2.1 Direct telephone number to Department

01480 364406

#### 2.2 Faculty Tutor name

Dr Ganesh Kumar Ramalingam

#### 2.3 Faculty Tutor Email address

ganesh.ramalingam1@nhs.net

### Part 3 Unit Structure

#### 3.1 Number of Beds

33 Beds

#### 3.2 Number of admissions

2787 ICU admissions, Mean LOS 4.1 days.

#### 3.3 Percentage of elective vs emergency admissions

80% : 20%

#### 3.4 Overview of case mix within the unit

Average occupancy by speciality :  
 Cardiac surgery = 56%  
 Transplant/heart failure/VADS = 19%  
 Respiratory ECMO = 9%  
 Pulmonary Thromboendarterectomy = 9%  
 Respiratory/thoracic = 3%  
 Cardiology = 4%

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

Name	Role (eg clinical lead, consultant)	Areas of interest
Dr Alain Vuylsteke	Clinical Director. ECMO director. Associate lecturer, University of Cambridge. FICM examiner	Pulmonary hypertension. Clinical information systems. Health informatics. Cognitive dysfunction.
Dr Kamen Valchanov	ICU Business Lead Pain service lead RCoA examiner	Pain. Spinal cord stimulators.
Dr Stephen T Webb	Lead clinician for clinical governance. Clinical Lead – Patient Safety Collaborative (EAHSN). CQC Specialist Advisor. Co-Chair ICS & FICM Joint Standards Committee.	Safety and quality improvement. ICNARC
Dr Barbora Parizkova	Lead for PA(A)s Anaesthetic lead for Organ Transplantation	Organ donation & optimisation for transplantation
Dr Nicola Jones	Business Unit Lead. Chair Hospital Transfusion Committee. Clinical Sub-dean & associate lecturer University of Cambridge	Peri-op haemostasis. Enhanced recovery.
Dr Antonio Rubino	Clinical Lead for Organ Donation FICE lead, Lead Mentor - Critical Care Scientist	
Dr Kiran Salaunkey	R&D Lead Consultant Rota	Evaluation of novel devices. Mechanical circulatory assist devices
Dr Ganesh Ramalingam	FICM tutor ALERT/CPR Steering Group	TOE, IT ECMO
Dr Marc Gimenez	Anaesthesia Safety Lead Examiner European Diploma of Anaesthesia and Intensive Care (EDAIC), RCoA QuARC	Sepsis
Dr Estefania Arenas		
Dr Hilary Shanahan	Hospital Transfusion Committee	Preoperative Assessment TOE
Dr Chinmay Patvardhan		
Dr Pradeep Mathivathanan		
Dr Eleftherios Koumas (locum)		
Dr Maureen Cheng (locum)		
Dr Oriana Ng (locum)		

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

Research Title	Investigator
<p>The REST Study : pRotective vEntilation with veno-venouS lung assisT in respiratory failure</p> <p>A pragmatic randomised controlled trial to determine whether Extracorporeal Carbon Dioxide Removal (VV-ECCO2R) in mechanically ventilated patients with hypoxaemic respiratory failure improves 90 day mortality .</p> <p>National Institute for Health Research □ Health Technology Assessment Ref no: 13/141/02</p>	Dr A Vuylsteke
ISARIC/WHO Severe Acute Respiratory Infection Biological Sampling Study.	Dr A Vuylsteke
The efficacy of prophylactic nasal high flow oxygen compared with standard oxygen therapy in improving early postoperative recovery after lung resection surgery.	Dr A Klein
Validation of the Bleeding Risk Score (BRiSc) for excessive bleeding after cardiac surgery.	Dr A Vuylsteke
The LIFEGARDS study: Ventilation management of patients with extracorporeal membrane oxygenation for acute respiratory distress syndrome: an international multicenter observational research project.	Dr K Valchanov
The repurposing of clinical data for quality improvement in critical care (ReCliC). The Health Foundation	Dr A Vuylsteke
Continuous ambulatory non-invasive Visensia monitoring of cardiac surgical patients following discharge from intensive care. Impact on detection of physiological deterioration. OBS Medical	Dr J Mackay
A randomised controlled pilot study comparing standard fluid management with haemoconcentration of remaining cardiopulmonary bypass blood using the new Hemosep device	Dr A Klein
PROXIMA evaluation: First UK evaluation of an in line near patient continuous arterial blood gas analyser	Dr K Salaunkey
Lung ultrasound and the role of lung aeration score in patients with acute respiratory distress syndrome (ards) on extracorporeal membrane oxygenation (ecmo): a prospective observational study	Dr A Rubino
Cluster randomised trial of the clinical and cost effectiveness of the i-gel supraglottic airway device versus tracheal intubation in the initial airway management of out of hospital cardiac arrest	Dr A Vuylsteke
Cog-Train Feasibility and Acceptability Study: a single-arm trial investigating the feasibility and acceptability of a preoperative cognitive training intervention (Cog-Train) in cardiac surgical patients.	Dr M Gimenez / Dr A Vuylsteke

### 3.7 How is the unit staffed

<p>ICU Day</p> <p>2 Consultants, 2 ICU Registrars/fellows, 1 Anaesthetic Registrar/Fellow</p> <p>2 Foundation Doctors, 1 Surgical Registrar</p> <p>ICU Night</p> <p>1 Consultant, 1 ICU Registrars/fellows, 1 Anaesthetic Registrar/Fellow and 1 Surgical Registrar</p>
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## Part 4 Training

### 4.1 Details of training opportunities on the unit

Management of complex cardiothoracic disease  
 Heart/lung transplant  
 Mechanical support (IABP/VA-ECMO/VADs)  
 Pulmonary thromboendarterectomy  
 Post-op major aortic surgery  
 Cardiology inc PCI/EP/structural/OOCA  
 VV-ECMO (ICU and retrieval service)  
 FICE (majority of consultants are mentors)  
 TOE (majority of consultants have accreditation)

### 4.2 Details of departmental teaching days

Monday 07:30-08:00 – Case presentation  
 Tuesday 07:30-08:00 – Consultant teaching  
 Wednesday 07:30-08:30 – FICE  
 Thursday 07:30-08:00 – Trainee presentation  
 18:00-19:00 – TOE lectures  
 Friday 07:30-08:00 – Journal Club

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

Weekly ICM MDT and M&M  
 Monthly ECMO MDT and M&M  
 Monthly Surgical MDT and M&M  
 Monthly Peri-op TOE quality assurance  
 Quarterly FICE quality assurance

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

ICU Fellows – 8  
 Foundation Doctors – 4  
 Anaesthetic Registrars/Fellows – 10 - 12