

# Critical Care Education and Simulation Fellow

## The Proposed Job

This 6 or 12 month post offers candidates the opportunity to gain experience in Intensive Care medicine in a busy district general hospital whilst helping to develop the simulation training program and teaching materials.

This job would be ideally suited to individuals who are committed to a career in Intensive Care Medicine (ICM) whether accrediting singly or with another specialty or FICM trainees seeking their special skills Stage 2 training. Some experience in ICM is strongly desirable.

The clinical training programme is outcomes based and follows the curriculum developed by the Faculty of Intensive care medicine (FICM). This is described in detail on the FICM's documents on outcome-based training and assessment (<http://www.ficm.ac.uk>).

Clinical and Educational supervision will be provided by Dr Mike Raffles and Dr Jon Hughes; consultants in Anaesthesia and Intensive Care Medicine. Dr Hughes and Dr Raffles are both experienced clinicians and have a range of experience in teaching and training. They have developed an in-situ multi-disciplinary education and simulation training program on the ICU which consistently receives excellent feedback from trainees and nurses. Dr Hughes has recently completed a postgraduate qualification in medical education & simulation. Successful applicants would be supported in completing a postgraduate qualification in medical education should they wish to. We also have access to a newly built bespoke simulation suite within Reading University to enhance learning opportunities.

The prospective candidate would work 70% of their time on the ICM rota and 30% of their time helping to develop the simulation and education programmes.

Objectives of the fellowship would include:

- develop a critical approach to simulation based medical education
- design and conduct simulation scenarios
- gain confidence in delivering debriefing and feedback
- participate in collection of data and preparation of posters and manuscripts
- participate in the design and conduct of an in-situ simulation course
- contribute to the Royal Berkshire ICU social media accounts

There will also be the opportunity to expand the role of simulation into other areas of the hospital such as the emergency department and acute medical unit.

There may also be opportunities to gain training in point of care ultrasound (CUSIC) and focused echocardiography (FICE) and to develop simulation scenarios using these skills.

### **Intensive Care Medicine at the Royal Berkshire Hospital, Reading**

Our ICU has just been rated 'Outstanding' for patient care by the CQC and the Trust overall has a 'Good' rating. The unit currently admits nearly 1000 level 2 and level 3 patients per year into 19 beds. The case mix is predominantly medical with trauma and surgical patients making up about 20%. Around 90% of our admissions are emergencies with the remainder being high risk surgical cases including, colo-rectal & urological procedures. There are about 60 paediatric admissions and stabilisations a year the vast majority of which are retrieved via the Southampton and Oxford Retrieval Team (SORT). The Trust is a tertiary referral cancer centre and includes all specialties except neurosurgery, transplant, vascular and cardiothoracic surgery. The trust has a primary coronary angioplasty service with the fastest door to needle times in the country as well as the fastest door to needle times for stroke thrombolysis. There is an excellent interventional radiology department staffed by six consultants. We also get excellent support from our microbiology department with daily ward rounds on the ICU.

We are able to provide advanced respiratory, cardiovascular and renal support to all our patients. We have a national reputation for percutaneous tracheostomy insertion (and are able to train this skill); renal replacement techniques; bronchoscopy and mechanical ventilation. There is a 24 hour Critical Care Outreach Service and recovery after critical illness clinic. Exposure to standardisation and processes of care will be encouraged. We have an advanced nurse practitioner training programme, which started in September 2017 and we train 4 advanced critical care practitioners.

We are a recognised regional centre for training in ultrasound and echocardiography. We have close links with the cardiology department and Dr Elkington, consultant cardiologist, is one of our local BSE supervisors. Both Dr Walden and Dr Jacques have trained a large cohort of trainees to complete FICE. Dr Walden helped develop the CUSIC competencies for the Intensive Care Society and chairs the Focused Acute Medicine Ultrasound (FAMUS) group. Both FICE and CUSIC courses are run three times a year in the trust education centre and are attended by delegates from around the country with excellent feedback.

There are fifteen consultants who cover the critical care service with at least two consultants on duty during the day and one at night. The unit is recognised for advanced training by FICM and training is outcomes based: see the FICM website for further details. The unit has an active teaching programme for all tiers. The Intensive Care Unit takes a proactive approach to critically ill patients and manages patients actively out on the wards especially with our colleagues in the Emergency Department (ED), Acute Medical Unit (AMU) and

Higher Monitoring Unit (HMU). Prospective candidates would be encouraged to take a similarly expansive view towards sick patients in other wards and departments.

### **Research**

We have a strong urgent care research team running clinical trials across the ICU, ED and AMU. Drs Walden, Frise and Keating run the urgent care research team of five research nurses and a research assistant. We work closely with our colleagues in the Research and Development department as well as the local Clinical Research Network. We have been the successful recipients of three College of Emergency Medicine research grants as well as co-applicants for successful Intensive Care Foundation grant. The successful candidates will be expected to take an active role in these areas and will be supported to undertake Good Clinical Practice (GCP) Training.

### **Staffing on the Intensive Care Unit**

#### **Medical Consultant Staff**

Dr Andrew Jacques (Deputy Clinical lead for ICU, Reading University PGcert co-ordinator)

Dr Liza Keating (national educational roles for ICM)

Dr Tim McErlane

Dr David Mossop (Urgent Care Director)

Dr Ian Rechner (lead for equipment, information technology and innovation)

Dr Andy Walden (research Lead for the ICU)

Dr Matt Frise (research and clinical governance)

Dr Jonathan Hughes (joint faculty tutor for ICM, lead for stage 1/2 regional teaching)

Dr Jodie Smythe (echocardiography and follow up)

Dr Mike Raffles (paediatric lead and joint faculty tutor)

Dr James Hardwick (organ donation lead)

Dr Guy Ohringer

Dr Josh Moorehouse

Dr Jim Watchorn

#### **Nurse Consultant**

Mrs Melanie Gager

#### **Lead Nurses**

Nicky Davis

Rachel Crisford

**MAIN CONDITIONS OF SERVICE**

The doctor is covered by the Terms and Conditions of service of the National Health Service at ST level 1-2 and above, depending on previous service. These are whole time appointments and include a band 1A pay supplement for inclusion in the 24 hour middle grade rota or the junior rota (depending on your experience). The rota is based on a 15 person rolling with a 1 in 8 on-call.

**CONDITIONS OF EMPLOYMENT**

Applicants must be registered with the General Medical Council.

## PERSON SPECIFICATION

	Essential	Desirable
Qualifications	GMC registration MB ChB, MBBS or equivalent	MCEM / MRCP / FRCA or equivalent. Educational diploma or equivalent
Experience	Provider status in one of the following: ALS, ATLS, or APLS  Experience of working in the NHS	Post registration experience of working in other specialties relevant to emergency medicine, intensive care medicine, acute medicine or anaesthesia  Minimum of four months experience in Intensive Care medicine
Ability & Knowledge	Good basic and wide-ranging knowledge of clinical medicine.  Ability to make good clinical notes  Good communication skills  Computer skills	Ability to teach and enthuse junior medical staff  Ability to undertake audit/research  GCP training
Motivation	Commitment to a career in Intensive Care, Emergency or Acute Medicine or Anaesthesia  Punctuality with good time management	
Personality	Ability to undertake responsibility  Be able to work under pressure and cope with stressful situations  Ability to work as part of a team and be flexible	

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