

## Critical Care Echocardiography Fellow

### The Proposed Job

This 6 to 12 month post offers candidates the opportunity to gain experience in Intensive Care Medicine in a busy district general hospital whilst training in critical care echo gaining competency in Focused Intensive Care Echocardiography (FICE) and BSE level 1 echocardiography. There may also be opportunity to develop point of care US skills.

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. Some experience in ICM is strongly desirable (for example a stage 2 ICM trainee looking to complete an out-of-programme year or special studies module.)

The clinical training programme is outcome-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 training and assessment (<http://www.ficm.ac.uk>). The echocardiography competencies are based on the Intensive Care Society's recommendations.

[www.ics.ac.uk/ics-homepage/.../focused-intensive-care-echo-fice/](http://www.ics.ac.uk/ics-homepage/.../focused-intensive-care-echo-fice/); <http://www.ics.ac.uk/ics-homepage/accreditation-modules/cusic-accreditation/>)

Clinical and Educational supervision will be provided by Dr Jodie Smythe, clinical lead for ICM and also level 2 BSE qualified. Within the ICU consultant body we also have a range of FICE mentors and an evolving POCUS group centred around Dr Andrew Walden who has an interest in point of care US and runs regular training courses.

The prospective candidate would work 70% of their time on the ICM rota and 30% of their time training in Ultrasound and Echocardiography. The candidate would accredit in FICE and CUSIC and would have the opportunity to develop other more advanced Echocardiography and Ultrasound skills. Specifically the option of working towards the full British Society of Echocardiography (BSE) echo accreditation could be facilitated. There is also the option of gaining competence in venous sonography and abdominal ultrasound scanning. We have developed collaborations in ultrasound research with Dr Kirk-Bailey at the University of

Surrey (pleural effusions in critical care PECC study) and Professor Tim Harris at Bart's and the London (barriers to implementation of lung ultrasound amongst trainees)

### **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 & major 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 with 24/7 cover. 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 in this domain); renal replacement techniques; bronchoscopy and mechanical ventilation. There is a 24 hour Critical Care Outreach Service and weekly 'recovery after critical care' 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 currently train 4 trainee 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. Our department 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 or local venues and are attended by delegates from around the country with excellent feedback.

There are currently fifteen consultants that cover the critical care service with two consultants on duty during the day and another at night. The unit is recognised for advanced training by FICM. The unit has an active teaching programme for all tiers and Drs Jonathan Hughes and Mike Raffles currently lead the stage 1 and 2 regional teaching programmes. 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 (Dep clinical lead for ICU)

Dr Liza Keating (National roles for training development for ICM and research)

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 and 2 regional teaching)

Dr Jodie Smythe (Clinical Lead for ICM, echocardiography and follow up)

Dr Mike Raffles (Paediatric lead and joint faculty tutor for ICM)

Dr James Hardwick (organ donation lead)

Dr Josh Moorehouse

Dr Guy Ohringer

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	MB ChB, MBBS or equivalent Current GMC registration	MCEM / MRCP / FRCA / FICM 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 intensive care medicine. Experience of working in ICM
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	

	<p>Be able to work under pressure and cope with stressful situations</p> <p>Ability to work as part of a team and be flexible</p>	
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