Trust Fellows in ECMO/Cardiac Intensive Care

Intensive Care

GOSH Profile

Great Ormond Street Hospital for Children NHS Foundation Trust (GOSH) is a national centre of excellence in the provision of specialist children’s health care, currently delivering the widest range of specialist care of any children’s hospital in the UK. It is the only specialist Biomedical Research Centre for paediatrics, the largest centre in the UK for children and young people with heart or brain problems, and the largest centre in Europe for children and young people with cancer. It works in partnership with the UCL Institute of Child Health (ICH), part of University College London, and together they form the largest paediatric research and teaching centre in the UK.

The hospital at Great Ormond Street is the only exclusively specialist children’s hospital in the UK. It does not have an Accident and Emergency department and only accepts specialist referrals from other hospitals and community services. The population of children and young people served by the hospital is characterised by those with multiple disabilities and/or health problems and rare and congenital (present at birth) conditions. Many children and young people need the help of different specialist teams. Improvements in health care and diagnosis mean that many children and young people have dramatically improved survival rates and more therapeutic options than was the case 10 years ago. Sadly though, many of the children and young people cared for at GOSH still have life-threatening or life-limiting conditions.

The hospital receives over 250,000 patient visits (inpatient admissions or outpatient appointments) a year, and carries out approximately 18,800 operations each year.

The hospital has 446 patient beds, including 44 intensive care beds (21 CICU, 15 PICU and 8 NICU). Many of the children and young people on our wards require high dependency care or are classed as ward intensive care, requiring one-to-one nursing.

Around 4100 full-time and part-time staff work at the hospital. The ICH has around 600 staff. Many senior staff have roles in both organisations.

The hospital has approximately 50 paediatric specialities, the widest range of any hospital in the UK, which uniquely enables it to diagnose and pioneer treatments for children and young people with highly complex, rare or multiple conditions. It has 19 highly specialised national services.
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<thead>
<tr>
<th><strong>Job title</strong></th>
<th>Trust Fellows in ECMO/Cardiac Intensive Care</th>
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<tbody>
<tr>
<td><strong>Division</strong></td>
<td>Charles West Division</td>
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<tr>
<td><strong>Responsible to</strong></td>
<td>Dr Suzan Kakat</td>
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<td><strong>Accountable to</strong></td>
<td>Dr Cho Ng</td>
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<tr>
<td><strong>Type of contract</strong></td>
<td>1 year fixed term contract</td>
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<tr>
<td><strong>Hours per week</strong></td>
<td>40 basic hours, plus additional ‘Out-of-Hours’ which equates to 48 hours</td>
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<tr>
<td><strong>Location</strong></td>
<td>ECMO and Cardiac Critical Care</td>
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<tr>
<td><strong>Budgetary responsibility</strong></td>
<td>N/A</td>
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<tr>
<td><strong>Manages</strong></td>
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**Trust Values and Expected Behaviours**

The Trust has developed the Always Values with our staff, patients and families that characterise all that we do and our behaviours with our patients and families and each other. Our Always Values are that we are:

- Always Welcoming
- Always Helpful
- Always Expert
- Always One Team

These values are extremely important to us and we expect everyone who works at GOSH in any capacity, including employees, bank staff, contractors, agency staff, people who hold honorary contracts, students and volunteers to share and uphold Our Always Values. Each value is underpinned by behavioural standards and employees will be expected to display these behaviours at all times. You can find a full copy of Our Always Values on our intranet.

The Trust also expects that everyone who works here shall act in such a manner as to justify public trust and confidence and to uphold and enhance the good standing and reputation of Great Ormond Street for Children NHS Foundation Trust. Individuals must therefore at all times carry out their duties with due regard to the Trust’s Equality at Work Policy.
Scope of the role

This trust post is tenable for 6-12 months. Applicants should have completed a minimum of 2 years of training at the equivalent of specialist registrar level in either paediatrics or anaesthesia in addition to two years of paediatric intensive care experience at registrar level and either six months cardiac intensive care or paediatric cardiology. This should include experience in managing patients with complex congenital heart disease and patients sustained on extracorporeal life support or ventricular assist devices. The post holder will join other trust doctors and specialist registrars in the training programme for paediatric intensive care medicine.

Appointment will be at the equivalent of specialist trainee year 6 upwards depending on previous experience.

Cardiac Critical Care:

The Cardiac Critical Care (CICU) comprises a purpose built twenty-one bedded unit located close to the cardiac theatres in the Morgan Stanley Building. There are over 800 patients admitted annually of which around 550 are bypass cases. There is also a large thoracic practice and the only dedicated tracheal service in the UK.

The nationally funded ECMO programme is run on CICU with approximately 50 runs annually. This includes neonatal and paediatric respiratory ECMO, cardiac ECMO and ventricular assist device as a bridge to transplant. Great Ormond Street Hospital currently has one of the largest paediatric heart/lung transplant programmes in the World. The cardiothoracic unit also has a national pulmonary hypertension programme for children.

There are 11 registrars and 7 senior fellows currently working on CICU. There is always at least 1 senior fellow plus a registrar on duty at all times.

Key working relationships

- **Great Ormond Street Hospital for Children NHS Trust**
  Great Ormond Street Hospital for Children NHS Trust is a Postgraduate Teaching Hospital with 446 beds and is a national centre for children with a wide spectrum of diseases. The full range of medical, surgical and diagnostic specialties for children are available with the exception of an accident and emergency department.

- **The Institute of Child Health**
  The Institute of Child Health is the medical school of Great Ormond Street Hospital for Children NHS Trust and is a constituent body of the University College London Medical School. Respective research departments in the Institute represent most of the hospital specialties.

- **The Charles West Division**
  The Hospital Trust has adopted a Divisional Management structure. Cardiac Intensive Care within the Charles West Division, along with the rest of the cardiac unit (cardiology, cardiothoracic surgery). The Divisional director is Allan Goldman and the Divisional Manager is Anne Layther.
Intensive Care at Great Ormond Street is currently provided in two main areas, the general paediatric intensive care unit, and the cardiac intensive care unit.

- **General and Neonatal Intensive Care**
  This is the only stand-alone paediatric intensive care transport service in the UK. It performs 1,200 transports a year, and is staffed by its own consultant intensivist team, and 10 registrars.

Intensive care at GOS is multidisciplinary at both consultant and trainee level, with a mix of paediatricians and anaesthetists.

- **Consultants**

  Dr S Hannam (Lead NICU)  
  Dr S Sharma (Lead PICU)  
  Dr Q Mok (PICU/NICU)  
  Dr M Peters (PICU/NICU)  
  Dr A Petros (PICU/NICU)  
  Dr C Pierce (PICU/NICU)  
  Dr S Skellett (PICU/NICU)  
  Dr J Brierley (PICU/NICU)  
  Dr E Borrows (PICU/NICU)  
  Dr H Bangalore (PICU/NICU)  
  Dr S Walsh (PICU/NICU)  
  Dr T Brick (PICU/NICU, locum)  
  Dr R Gandhi (NICU, locum)  
  Dr S Ray (PICU/NICU)  
  Dr J Bengtsson (PICU/NICU, locum)  
  Dr C Ng (Lead CICU)  
  Dr A Goldman (CICU)  
  Dr K Brown (CICU)  
  Dr R Paget (CICU/CATS)  
  Dr T Thiruchelvam (CICU)  
  Dr A Hoskote (CICU)  
  Dr N Lausen (CICU)  
  Dr T Dominguez (CICU)  
  Dr A Karimova (CICU)  
  Dr A Iguchi (CICU/Anaesthetics)  
  Dr M Hayden (CICU)  
  Dr S Kakat (CICU)  
  Dr D Lutman (Lead CATS)  
  Dr P Ramnarayan (CATS)  
  Dr L Chigaru (CATS)  
  Dr E Randle (PICU/NICU/CATS)  
  Dr A Jones (CATS)

The rota patterns for CICU are built around 13 hour day and night shifts with some shorter day shifts to provide additional daytime cover. It should be noted that this is likely to change as patient throughput increases and refinements are made to ensure compliance with national working hours frame works whilst accommodating Paediatric Intensive Care Society (PICS) standards.

- **ICU – Weekly Duties and Timetable**

Great Ormond Street has a large paediatric intensive care workload with nearly 2000 patients admitted each year across all the intensive care units. As a tertiary referral hospital many of the patients seen here are extremely complex and encompass all specialties. The Consultant Intensivists are fully committed to intensive care with no other clinical responsibilities so all care is consultant led.
The department provides facilities for complex monitoring and treatment procedures, including different techniques for mechanical ventilatory support, intracranial pressure monitoring and continuous veno-venous haemofiltration. Extracorporeal and paracorporeal support is carried out within the Cardiac Critical Care Unit.

There is separate consultant cover for CICU and PICU/NICU, with two consultant led ward rounds on each unit every day. Formalised unit teaching activities are arranged around a monthly teaching day. Bedside and ward based teaching is provided within each unit. There is a Hospital Grand Round at lunchtime on Friday.

The appointees will be required to take a share in all activities of the Unit, and supervise and support the more junior members of the clinical team. This will include partaking in “on call” duties which are an integral part of the full shift as outlined.

Although an agreed duty rota is carefully followed, occasional emergency cover may be required.

Unit and hospital protocols and clinical practice guidelines exist and the postholder is expected to adopt management, which takes note of these. In particular the Unit has a firm policy with regard to all admissions and discharges which should be adhered to.

- **Training**

There is an induction programme for junior staff, with all details available on line through the GOSH website, www.gosh.nhs.uk. For those trainees without a clinical anaesthetic background a short secondment will be arranged to assist in these skills. Clinical Training will be regarded as a priority and the post holder will be encouraged to enrol in the MSc in Clinical Paediatrics at the Institute of Child Health.

This is a Postgraduate Teaching Hospital. A significant number of medical students, Postgraduate Registrars in training and Senior Clinical Fellows are attached for varying periods of time for advanced teaching.

- **CICU**

In addition to the general PICU education programme, there are additional sessions on the CICU. All training sessions are open to all trainees

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<thead>
<tr>
<th>Day</th>
<th>Session</th>
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<tbody>
<tr>
<td>Monday</td>
<td>Breakfast teaching</td>
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<tr>
<td>Tuesday</td>
<td>Breakfast teaching, ECHO teaching</td>
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<tr>
<td>Wednesday</td>
<td>Cardiorespiratory directorate teaching, Core curriculum (monthly)</td>
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<tr>
<td>Thursday</td>
<td>Simulation session on CICU, Joint Cardiac Conference</td>
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<tr>
<td>Friday</td>
<td>Morbidity and Mortality meeting</td>
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It is expected that all employees will take part in the regular teaching activities held throughout the hospital and ICH as part of their work while employed by the Trust.

- **Research**

The postholder will be encouraged to involve themselves in any aspects of the many research projects that are conducted within the unit. There is training available in computer literacy, database management and
statistics. Great Ormond Street and the Institute of Child Health have their own dedicated computer departments and regular courses are held.

- **Library Facilities**
The main library for hospital staff is located with the Institute of Child Health and provides good accommodation for quiet undisturbed study. The full range of paediatric journals are available and access is available 18 hours per day including weekends.

- **Appraisal**
There is a system of appraisal organised by the Supervising Consultant in conjunction with the Postgraduate Medical Education Office. Within one month of taking up the post, an appraisal meeting will be held and further appraisals take place at six monthly intervals.

- **Rota**
You will receive an out of hours supplement. The CICU rota is a full shift. There is a full time rota coordinator to assist with rostering and arrangement of leave.

**Main duties and responsibilities**
- To provide medical care to patients on cardiac intensive care and ensure efficient service delivery within cardiorespiratory services
- To work in close co-operation with the wider multi-disciplinary team including cardiorespiratory and intensive care services
- Co-ordinate care of children on cardiac intensive care, including those with complex congenital heart disease, extracorporeal life support or ventricular assist device.

*This job description is intended as an outline of the areas of activity and can be amended in the light of the changing needs of the service and will be reviewed as necessary in conjunction with the post-holder.*

**Other information**

Great Ormond Street Hospital for Children NHS Foundation Trust is a dynamic organisation, therefore changes in the core duties and responsibilities of this role may be required from time to time. These guidelines do not constitute a term or condition of employment.

**Confidentiality**

On appointment you may be given access to confidential information which must only be disclosed to parties entitled to receive it. Information obtained during the course of employment should not be used for any purpose other than that intended. Unauthorised disclosure of information is a disciplinary offence.

**Risk Management**

You will be required to ensure that you implement systems and procedures at a local level to fulfil the requirements of the organisation’s Risk Management Strategy including local management and resolution of complaints and concerns, management of SUIs/incidents and near misses. Your specific responsibility for risk management will be clarified to you by your manager at your local induction.
Emergency Planning

In accordance with the organisations responsibilities under the Civil Contingencies Act 2004, you may be required to undertake alternative duties as is reasonable directed at alternative locations in the event of and for the duration of a significant internal incident, major incident or flu pandemic.

Human Rights

You are required to comply with the regulations of the Human Rights Act 1998 during the course of your employment.

Sustainable Development

You will be required to demonstrate a personal commitment to the Trust’s Sustainable Development Plan and to take personal responsibility for carrying-out your work duties in a way which is compliant with this Plan.
## PERSON SPECIFICATION

### Our always values

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<thead>
<tr>
<th>Essential</th>
<th>Desirable</th>
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<tbody>
<tr>
<td>Always welcoming – open, positive, polite, prompt, thoughtful</td>
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<tr>
<td>Always helpful – respectful, caring, supportive, patient, flexible</td>
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<tr>
<td>Always expert – role model, vigilant, striving for quality, proactive</td>
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<td>Always one team – informative, mindful, appreciative, open, honest</td>
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### Education, training and qualifications

<table>
<thead>
<tr>
<th>Essential</th>
<th>Desirable</th>
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<tbody>
<tr>
<td>Primary medical qualification - MBBS or equivalent</td>
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<td>Full (or eligible for full) GMC registration</td>
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<td>MRCP, MRCPCH or equivalent</td>
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<tr>
<td>Higher degree – MSc, MPhil related discipline</td>
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### Skills and abilities

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<tbody>
<tr>
<td>Excellent written and oral communication skills</td>
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<td>Ability to organise and prioritise own workload</td>
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<td>Ability to work under pressure in a multi-disciplinary environment</td>
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<tr>
<td>Ability to prioritise clinical needs</td>
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### Knowledge and experience

<table>
<thead>
<tr>
<th>Essential</th>
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<tbody>
<tr>
<td>At least 2 years’ experience in paediatric intensive care medicine at ST6+ level</td>
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<td>At least 6 months experience in extracorporeal life support</td>
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<td>Experience of teaching and presenting</td>
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<td>Experience of audit activities</td>
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<tr>
<td>Understanding of principles of clinical governance</td>
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<tr>
<td>Clinical experience in related paediatric specialties</td>
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<tr>
<td>Published research in peer reviewed journals</td>
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