



NHS

**Great Ormond Street
Hospital for Children**

NHS Foundation Trust

JOB DESCRIPTION & PERSON SPECIFICATION

Job title: Cardiac MRI Radiographer

GOSH profile

Great Ormond Street Hospital for Children NHS Foundation Trust (GOSH) is an international centre of excellence in child healthcare. GOSH is an acute specialist paediatric hospital with a mission to provide world-class care to children and young people with rare, complex and difficult-to-treat conditions.

Together with our research partner, the UCL Great Ormond Street Institute of Child Health, we form the UK's only academic Biomedical Research Centre specialising in paediatrics. Since its formation in 1852, the hospital has been dedicated to children's healthcare and to finding new and better ways to treat childhood illnesses.

Great Ormond Street Hospital receives nearly 300,000 patient visits (inpatient admissions or outpatient appointments) every year (figures from 2018/19). Most of the children we care for are referred from other hospitals throughout the UK and overseas. There are 60 nationally recognised clinical specialities at GOSH; the UK's widest range of specialist health services for children on one site. More than half of our patients come from outside London and GOSH is the largest paediatric centre in the UK for services including paediatric intensive care and cardiac surgery.

Through carrying out research with the UCL Great Ormond Street Institute of Child Health, University of London and international partners, GOSH has developed a number of new clinical treatments and techniques that are used around the world.

The UK's only academic Biomedical Research Centre (BRC) specialising in paediatrics is a collaboration between GOSH and UCL Great Ormond Street Institute of Child Health. We are a member of University College London (UCL) Partners, joining UCL with a number of other hospitals – an alliance for world-class research benefitting patients.

In partnership with six other NHS trusts, we are the lead provider for North Thames Genomics Medicine Centre, part of the national 100,000 Genomes Project.

Great Ormond Street Hospital at a glance

GOSH provides over 60 different specialist and sub-specialist paediatric health services. This was the widest range on any single site in the UK.

GOSH had more than 60 YPF members, who were involved in 89 activities.

GOSH employed an average of 5,357 full time equivalent staff in 2022/23.

By the end of 2022/23 GOSH had stopped purchasing Desflurane anaesthetic medical gas, contributing to lower emissions.

2022
/23

GOSH had 50 YPAG members, who gave feedback and had input into 45 research projects.

GOSH had 2,217 participants in 933 active research studies.

The GOSH Learning Academy offered over 17,000 additional learning opportunities, more than 10 times the target.

98% of inpatients and 95% of outpatients would recommend GOSH.

GOSH had 44,994 inpatient and day cases. And 238,719 outpatient attendances.

Volunteers contributed 10,260 hours, equating to approximately £123,000 of donated time.

Great Ormond Street Hospital Culture and Values

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:



Diversity & Inclusion

Here at GOSH, we believe that improving lives for our patients begins with improving how we learn, work and grow as colleagues. So, we're changing. We know that we need to develop a more inclusive culture where everyone feels seen and heard. By growing an ever more diverse workforce, we'll have a greater range of perspectives and knowledge in our GOSH community, meaning that we can provide the children and young people at our hospital with even better care. At GOSH we have opportunities for our staff to engage with colleagues through the following networks: REACH (Race, Ethnicity and Cultural Heritage) ENABLED (Enhancing Abilities & Leveraging Disabilities Network), PRIDE & Women's networks.

Job title	Cardiac MRI Radiographer
Directorate	Heart and Lung
Band	7
Supervised by	Superintendent Radiographer for Cardiac MRI
Type of contract	1 Year Fixed Term- maternity cover
Hours per week	37.5
Location	Great Ormond Street Hospital
Budgetary responsibility	Nil
Manages	Nil



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Main purpose of the job

To work as a specialist radiographer in a dedicated, cardiac MRI team within a paediatric tertiary referral centre, providing an expert, world class service in cardiac MRI imaging for paediatric and adult patients.

Key working relationships

To work as a specialist radiographer in a dedicated, cardiac MRI team within a paediatric tertiary referral centre, providing an expert, world class service in cardiac MRI imaging for paediatric and adult patients.

Internal: Cardiac MRI Radiographers, Consultants, Nurses, Cardiac admin staff, Radiology team, MRI physicist, ward staff, anaesthetists, ODPs, Social Workers.

External: External hospitals, referring clinicians, referring hospitals, external medical professionals, patients, carers, families, community services, Siemens engineers.

Main duties and responsibilities:

Clinical Duties

- To carry out all aspects of Cardiac MR Duties within the Cardiac MRI unit to a high professional standard on paediatric and adult patients.
 - Undertake highly specialised Cardiac MR imaging techniques that require the operation of advanced acquisition and processing software with excellent hand-eye co-ordination.
 - To have a sound knowledge of normal and abnormal cardiac anatomy as it applies to congenital heart disease.
 - To demonstrate knowledge of MRI imaging protocols as relevant to cardiac disease in order to adjust imaging parameters according to the clinical status and cardiac anatomy of the patient. This knowledge must include-
 - Adjusting slice position according to the cardiac anatomy.
 - Adjusting imaging parameters to optimise clinical and haemodynamic data obtained.
 - The application of flow and MR angiography sequences specific to cardiac disease.
 - Accountable for own professional standards by being responsible for maintaining a high standard of imaging and patient care at all times.
 - To organise the daily workload efficiently, ensuring that all patients are seen on time.
 - To prioritise requests, ensuring emergency and urgent procedures are dealt with promptly and efficiently.
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- To vet and protocol request forms ensuring the appropriate study is carried out according to departmental protocol.
- To ensure the delivery of an effective and efficient service to meet the needs of the paediatric patients, adult patients and the clinicians.
- To assist with the development and implementation of standards and protocols to always maintain high imaging quality and standard.
- To work closely with cardiac research teams, undertaking research investigations as directed.
- Take an active role in audit, assisting with data collection and presentation of such data. To undertake Quality Assurance testing to ensure equipment is operating optimally and highlighting problems in advance to minimise downtime.
- Undertake venepuncture and site intravenous cannulation for administration of contrast media, intravenous flush and other named medicines pertinent to Cardiac MR Examinations in accordance with the departmental injection policy.
- Application of anaesthetic cream for site cannulation as per departmental protocol.
- To monitor stock level, ensuring adequate levels are maintained for all consumable used, highlighting deficiencies as they arise to the appropriate staff.
- Ensure incidents, complaints are dealt with in accordance with Trust policy, to escalate this to senior staff where necessary.
- To deal with patient enquiries as they arise.
- To participate in the scheduled extended working days and shift duties including Saturday sessions if required.
- Undertake any other duties, as directed by management.

Communications

- To promote effective communication with the clinical teams and ward staff and other departments to ensure patients are appropriately prepared for their investigations.
- To ensure effective communication with the patient and their carer ensuring:
 - A clear understanding of the procedure being undertaken, thus obtaining verbal consent.
 - An understanding of their needs in order to provide a service that is responsive to their requirements.
 - Language barrier is eliminated.
- To promote good working relationship and teamwork with the multi-disciplinary teams within the unit.
- To ensure all staff are kept informed of changes to protocols and procedures.

Teaching and Training

- To supervise and train radiographic staff and junior clinical cardiac staff in all aspects of Cardiac MR and angiographic imaging as required.
 - To supervise student radiographers on elective and mandatory placement in the Trust.
 - To assist with the development and implementation of training plans for radiographic staff within the Cardiac MR Unit, or on Cardiac MRI techniques.
 - To take responsibility for keeping up to date with current imaging and professional issues.
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- To take responsibility for monitoring own performance to ensure delivery of a high quality, efficient and effective service.
- To take responsibility for own Continued Professional Development through regular Clinical & Technical knowledge and skills updates.
- To attend all mandatory clinical training updates as specified by the Trust.
- To maintain HCPC registration.
- To attend mandatory individual performance development reviews and have clear objectives for personal, professional development.

Administrative Duties

- To carry out clerical duties pertaining to the unit and related to radiographic work. To assist the administrative personnel in appointment scheduling and handling queries.
- Ensure all examinations are entered onto the Cardiac MRI Unit database and EPR accurately.
- Ensure all patient image data are archived to PACS accurately and in a timely manner.
- To liaise with clerical and secretarial staff and the Cardiac Booking Office, regarding booking appointments.
- To deal with messages and queries received relating to future Cardiac MR Appointments.
- To ensure that complaints and incidents are dealt with in accordance with the Trust's Policy.
- To abide by all Trust and Directorate policies.

Health and Safety

- To take responsibility for the safety and welfare of patients and their carers during the procedure.
 - To carry out metal safety checks on patients and their carers prior to the examination.
 - To investigate implants to ensure MRI safety prior to patient's appointment and handover information to relevant radiographers for future scans.
 - To be responsible for the safety of patients with specific reference to conditional and MRI unsafe devices and implants.
 - To ensure Trust personnel have been cleared for metallic implants prior to working within the Cardiac MR unit.
 - To ensure staff entering the magnet room do not have ferrous objects that may cause potential hazard in a magnet field.
 - To have knowledge and awareness of IRR (2017), IR(ME)R 2000 and MHRA regulations (Safety Guidelines for Magnetic Resonance Imaging Equipment in Clinical Use, April 2022)
 - To take responsibility for the cleanliness for the allocated working area of the department.
 - To take reasonable care when undertaking cannulation for the administration of contrast media to patients. To avoid needle injuries to oneself and to other staff.
 - To observe all manual handling guidelines.
 - In carrying out his/her duties, the employee is required to take reasonable care to avoid injury or accident that may be caused by work.
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- The post holder must comply with the Data Protection Act 2018, the UK's implementation of the General Data Protection Regulation (GDPR)
- These duties must be performed in accordance with the departmental Local Rules and National Health and Safety guidelines, which are designed to secure safety in work practices and in the handling of materials and equipment.

All staff has a general accountability for ensuring, so far as is reasonably practicable, the health, safety, and welfare of Trust employees. The following should also be noted:

- Each employee is required to take reasonable care for his or her own acts or omissions and the effect that these may have upon the safety of themselves or any other person.
- Every employee must use safety equipment or clothing in a proper manner and for the purpose intended.
- Any employee who intentionally or recklessly misuses anything supplied in the interests of health and safety will be subject to disciplinary procedures.
- Every employee must work in accordance with any health and safety procedures, instructions or training that has been given.
- No employee may undertake any task for which they have not been authorised and for which they are not adequately trained.
- Every employee is required to bring to the attention of a responsible person any perceived shortcoming in the Trust's safety arrangements or any defects in work equipment.
- All employees are under a duty to familiarise themselves with the Trust's Health and Safety Policies

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.

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Other information

Safeguarding

All Trust staff have a responsibility for safeguarding children, young people and vulnerable adults which includes;

- An understanding of relevant Trust Policies
 - Ensuring that any safeguarding and child protection or vulnerable adults' concerns are both recognised and acted on appropriately
 - Attendance at mandatory safeguarding children & adults training and updates at the competency level appropriate to their role and in accordance with the Trust's safeguarding training guidance.
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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 organisation's 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 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.

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.

The GOSH Learning Academy (GLA)

Staff education and training influences every stage of the patient journey. Be it the communication skills of the medical secretary planning a patients' stay, the multi-professional team caring for them on the ward, the leadership skills of our corporate and operational teams, or the administrator planning their transport home – each member of staff needs the up-to-date knowledge, skills, and capabilities to provide our patients with exceptional care. We have a number of opportunities for staff available through the [GOSH Learning Academy](#):



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PERSON SPECIFICATION

GOSH Culture and Values	Essential	Desirable	Assessment method
Our Always values <ul style="list-style-type: none"> • Always welcoming • Always helpful • Always expert • Always one team 	E	D	I/A/T
<ul style="list-style-type: none"> • Knowledge and understanding of diverse backgrounds and perspectives. • Understanding of Diversity and Inclusion challenges in the workplace. • Demonstrable contribution to advancing Equality, Diversity and Inclusion in the Workplace 	E		I
Academic/Professional qualification/Training			
DCR / BSc in Radiography	E		A
HCPC Registration	E		A
MSC in Radiography / MR Imaging		D	A
Other post graduate qualification		D	A
Experience/Knowledge and awareness of			
Clinical Governance	E		A
Quality Assurance	E		A/I
Data Protection Act	E		A
IRMER 2000	E		A
Experience of Quality assurance, research and audit	E		A/I
Further experience in General MRI imaging	E		A/I
Experience in Cardiac MRI imaging		D	
Specialist knowledge and experience in paediatric imaging		D	A/I
Working knowledge and experience of: Non accidental Injury patients Mortuary work PACS		D	A/I

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Skills/Abilities			
Excellent oral and written communication skills	E		A/I
Excellent interpersonal skills	E		A/I
To have an understanding of the needs of the patient	E		A/I
Ability to empathise with the child and the parents	E		A/I
Ability to work on own initiative	E		A/I
Problem-solving skills	E		A/I
Planning and organisational skills	E		A/I
Ability to work under pressure	E		A/I
Teaching skills, leadership in team environment, ability to motivate others	E		A/I
Interest in working with children	E		A/I
A flexible outlook to the working day	E		A/I

s table lists the essential and desirable requirements needed in order to perform the job effectively. Candidates will be shortlisted based on the extent to which they meet these requirements. Evidence for suitability in the role will be measured via a mixture of application form, testing and interview.

Criteria Key:**Review Method:**Essential: **E**Application form: **A**Desirable: **D**Interview: **I**Test: **T**