

JOB DESCRIPTION

JOB TITLE:	Radiographer
ORGANISATION:	UK Biobank
PROJECT:	Imaging Enhancement Study
REPORTS TO:	Centre Lead Radiographer
RESPONSIBLE FOR:	None
LOCATION:	Reading / Newcastle / Co-ordinating Centre Cheadle

PURPOSE OF THE ROLE:

A Radiographer is responsible for capturing high quality images according to our protocols for the Imaging Enhancement Study. They provide a key role in ensuring that the centre operates safely and efficiently.

The Radiographer will also be responsible for ensuring any 'incidental findings' of a potentially serious nature, observed during routine scanning, are reported in accordance with UK Biobank's policy.

The post holder will be expected to have some knowledge of MRI and will be able to demonstrate knowledge of MRI safety. They should be able to perform all aspects of the UK Biobank imaging protocols, with supervision, for neuro, cardiac and abdomen MR, Carotid Ultrasound and DEXA imaging. They will ensure that all scans are performed to the agreed protocols and schedule.

The Radiographer role is split into 5 incremental levels based upon knowledge and experience.

PRINCIPAL DUTIES AND RESPONSIBILITIES:

- **Operational Duties**
 - Take part in appraisals and work to achieve agreed set objectives
 - Undertake routine scanning of participants based on standardised protocols on UK Biobank's scanners, producing images and data of the highest quality.
 - Act on any reports of untoward occurrences, incidents and/or non-conformances, ensuring appropriate forms are completed and processes are followed
 - Perform other duties as appropriate to the grade and as requested by the Lead Radiographer

- **Training and Development**
 - Commit to undertake training in the UK Biobank imaging protocols, to deliver the proposed imaging techniques and complex post-processing methods
 - Identify any known limitations within your professional competence and agree development plan to mitigate those limitations
 - Support a safe and professional working environment, dealing professionally with colleagues and participants alike

- **Incidental Findings**
 - Flag studies and ensure potentially serious incidental findings are fed into the incidental findings process

- **Quality and data audit**
 - Ensure data is gathered in accordance with the UK Biobank protocol. Highlight any issues which arise during data collection to the Lead or Supervisor Radiographers
 - Perform data analysis according to the process. Raise any issues identified with the analysis of data with the Lead or Supervisor Radiographers
 - Archive all data acquired and perform associated record keeping. Ensure no data is lost from capture to storage
 - Help conduct QA tests for both routine maintenance and general imaging requirements

- **Participant safety and welfare**
 - Responsible for volunteer safety and well-being whilst scanning
 - Be up-to-date with the current safety guidelines with respect to the DEXA and MR environment and the specific problems associated with radiation, implants and devices associated with our imaging. Follow the 'pre-screening' process
 - Work with the Lead Radiographer to resolve any issues regarding participant safety or welfare
 - Comply with statutory requirements and with the UK Biobank's employment policies whilst at work (e.g. Ionising Radiations Regulations 1999, IR(ME)R 2000, Health and Safety Regulations, COSHH and Risk Assessments).

- Ensure participant's details are correctly identified prior to the examination and ensure that such details/unique ID are present and correct on the imaging modality and any associated records
 - Maintain the confidentiality of volunteers and staff and follow the requirements of the data protection act (1998) at all times (i.e. ensuring it is clear to staff that they do not enter any identifying information into any text fields/notes during the visit).
- **Maintenance**
 - Help ensure that all apparatus and equipment is working satisfactorily and safely and that any malfunction is reported immediately, in line with departmental policy. Making certain that any fault occurring on equipment is entered into the relevant logbook

PERSON SPECIFICATION

ESSENTIAL

1. BSc or Diploma in Radiography
2. Knowledge of MRI
3. Knowledge of MRI safety aspects
4. State Registration with the Health Care Professions Council (HPC)
5. Participate in and provide support for CPD (Continual professional development) and CME (Continuing medical education)
6. Excellent interpersonal skills
7. Good communication skills
8. Remain calm under pressure
9. Committed to quality improvement
10. Ability to identify personal development needs
11. Highly motivated and able to motivate others
12. Flexible attitude with respect to hours of work
13. Willingness and ability to adopt new knowledge
14. Knowledge of IR(ME)R
15. Ability and willingness to foster good working relationships
16. Safety awareness of oneself and others
17. Knowledge of Health and Safety issues
18. Flexible attitude to duties High professional standards

DESIRABLE

1. Manual handling knowledge
2. Computer literate
3. Willingness to travel to other sites as required

Level	
1	New or recent graduate with little no MRI experience
2	Should have completed a beginner MRI course 12-18 months experience in a clinical or research environment Desirable to have knowledge and experience of DEXA and Ultrasound
3	2 to 3 years' experience in a clinical or research environment Knowledge and experience of DEXA and Ultrasound, has completed advanced MRI course or has MRI experience in a clinical environment Experience of quality assurance for imaging
4	3 to 4 years' experience in a clinical or research setting Sound knowledge and experience of DEXA and Ultrasound, has completed advanced or cardiac MRI course or extensive MRI experience in a clinical environment Experience of quality assurance for imaging Desirable to have specialist technical knowledge of neuro imaging and fMRI Desirable to have specialist technical knowledge of cardiac MRI
5	More than 4 years' experience in a clinical or research setting

	<p>Post-graduate MRI qualifications desirable</p> <p>Highly desirable to have knowledge and experience of DEXA and Ultrasound</p> <p>Experience of quality assurance for imaging</p> <p>Desirable to have experience of training and mentoring students/radiographers</p> <p>It is highly desirable to have experience in a research environment</p> <p>Desirable to have specialist technical knowledge of neuro imaging and fMRI</p> <p>Desirable to have specialist technical knowledge of cardiac MRI</p>
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