

JOB DESCRIPTION

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

PURPOSE OF THE ROLE:

The Senior Radiographer is responsible for capturing high quality images according to our protocols for the Imaging Enhancement Study. They would assist with the smooth running of an Imaging Centre within the Imaging Enhancement Study, assisting the Lead Radiographer when required. They must provide support and advice to their colleagues and help ensure that the centre operates safely and efficiently.

The Senior Radiographer is expected to perform quality control and assurance, safety screening, and participant handling and reassurance whilst in the care of UK Biobank. They will be expected to act as cover for Superintendent Radiographer when required.

The Senior 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 knowledge, experience and skills of research imaging and will be able to demonstrate sound knowledge of quality acquisition and safety. Able to perform, and help train / monitor staff in, the UK Biobank imaging protocols of neuro, cardiac and abdomen MR, Carotid Ultrasound and DEXA imaging. They will ensure that scans are performed to the agreed protocols and schedule.

The Senior Radiographer role is split into 3 incremental levels based upon knowledge and experience.

PRINCIPAL DUTIES AND RESPONSIBILITIES

- **Operational oversight**
 - Provide advice and assistance to less experienced radiographers, acting as cover for Superintendent Radiographers when required.
 - 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/Superintendent Radiographer
 - Review flagged studies review and ensure potentially serious incidental findings are fed into the incidental findings process
 - Responsible for volunteer safety and well-being within the scanners
 - 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.
 - Conduct the 'pre-screening' process
 - Assist the Lead Radiographer to resolve any issues that are highlighted through participant feedback in a timely manner
 - 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).

- **Training and Development**
 - Help train new personnel in the UK Biobank imaging protocols, essential for integrating new team members to deliver the proposed imaging techniques and complex post-processing methods
 - Help to identify limitations within the team and agree development plan to mitigate those limitations
 - Identify any known limitations within your professional competence
 - Support a safe and professional working environment, dealing professionally with colleagues and participants alike

- **Quality and data audit**
 - Help the Lead Radiographer to monitor data acquisition to maintain high quality information, gathered in accordance with the UK Biobank protocol. Work with the team to solve any issues which arise during data collection
 - Help the Lead Radiographer to monitor the data analysis process within the centre for quality assurance. Act upon any issues identified with the analysis of data
 - Responsible for the primary archive of all data acquired and associated record keeping. Ensures no data is lost from capture to storage

- Help the Lead Radiographer conduct QA tests for both routine maintenance and general imaging requirements
- 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. State Registration with the Health Care Professions Council (HPC)
3. High level of competence in scanning to ensure unsupervised work can be safely undertaken
4. Detailed knowledge of MRI safety aspects and IR(MER)
5. Experience of quality assurance for imaging
6. Willingness and ability to adopt new knowledge and research procedures
7. Flexible attitude to duties and to hours of work
8. Excellent interpersonal skills
9. High professional standards
10. Good communication skills
11. Able to remain calm under pressure
12. Highly motivated and able to motivate others
13. Committed to quality improvement
14. Ability to identify personal development needs
15. Willingness to travel to other sites as required

DESIRABLE

1. Post graduate qualification in Radiography
2. Knowledge and experience of DEXA and/or Ultrasound
3. Computer literate
4. Manual handling knowledge
5. Experience of medical research and/or large-scale study
6. Experience of training and mentoring students/radiographers
7. Experience of quality assurance for imaging
8. Be an active member of a relevant scientific society (e.g. Society for Cardiovascular Magnetic Resonance and/or International Society for Magnetic Resonance in Medicine Section for Magnetic Resonance Technologists)

Level	
1	Less than 4 years' experience in a clinical or research setting Little experience in a senior role
2	More than 4 years' experience in a clinical or research setting Demonstrable experience of quality assurance for imaging Experience of training and mentoring small teams of students/radiographers Experience in a research environment OR specialist technical knowledge of neuro imaging and fMRI OR specialist technical knowledge of cardiac MRI
3	More than 5 years' experience Extensive experience of training and mentoring teams of students/radiographers. Extensive experience in a research environment OR specialist technical knowledge of neuro imaging and fMRI OR specialist technical knowledge of cardiac MRI