University of Edinburgh

1. Job Details

Job title: Senior MRI Radiographer
School/Support Department: SHEFC Brain Imaging Research Centre for Scotland
Unit (if applicable): Division of Clinical neurosciences
Line manager: Superintendent Radiographer

2. Job Purpose

To support clinical research in neuroscience as part of a multidisciplinary team.
To be a resource available to researchers at the University of Edinburgh and other Scottish and Northern English Universities for collaborative and clinical research in relevant areas.

3. Main Responsibilities

1. To practice and maintain the highest standards of MRI technique by keeping up to date knowledge of current trends and developments.

2. Ensure and maintain patient/subject/staff safety in this high risk area by careful screening methods.

3. To be thoroughly familiar with all aspects of the work and operation of the equipment within the centre by keeping up to date with departmental protocols and literature relating to current and future research.

4. To provide quality assurance testing, image processing and data archiving activities as appropriate with the guidance from Medical Physics.

5. Pay particular attention to, and understanding matters relating to patient, subject and data confidentiality.

6. To be thoroughly familiar with, and to observe at all times, the recommendations set out in both the Codes of Practice in Health and safety manuals and local rules pertaining to MRI safety, and report and fully document incidents, accidents and equipment faults in accordance with the centre policy.

7. Maintain high standards of professionalism and care, ensuring that all staff follow suit.

8. Prepare and perform intra venous cannulation, both by hand and using the medrad pump injector.

9. To liaise with other personnel and promote good working relationships in this very diverse multidisciplinary team.

10. To provide a high quality MRI service for private patient referrals.

11. Provide and maintain a safe working environment with careful monitoring, record keeping and following guidelines from the Health and Safety at work act 1974.
4. Planning and Organising
   - Organising the daily routine taking into account the sequences required for the examination or study and the patient/study condition.
   - Organising the scanning of private patients around the current studies.

5. Problem Solving
   - Dealing with complex human emotions such as fear or pain.
   - Be able to take personal responsibility when superintendent is unavailable with regard to equipment malfunction and other unpredictable circumstances.
   - Changing scanning parameters at short notice to suit patient, situation or study.

6. Decision Making
   - Determine whether a patient/subject is suitable and safe to be scanned.
   - Updating policies and procedures as necessary.

12. Key Contacts/Relationships

Superintendent Radiographer                         Researchers
Senior MRI Radiographer                               Administration staff
Director neuroradiologist                               Students
Medical Physicists                                          NHS Staff

8. Knowledge, Skills and Experience Needed for the Job
   - Degree/ diploma in Diagnostic Radiography
   - Post qualification experience in MRI
   - Continuing Professional Development
   - Intra venous cannulation certificate

9. Dimensions
   - Operate and perform examinations and regular QA on GE MRI scanner.
   - Oversee and help rotating NHS radiographers.

10. Job Context and any other relevant information
    - Operating a highly complex MRI scanner and maintaining a safe environment in this very high risk area.
    - Keeping up to date with new innovations and techniques in the research environment.