Job Description

NHS South Tees Hospitals NHS Foundation Trust
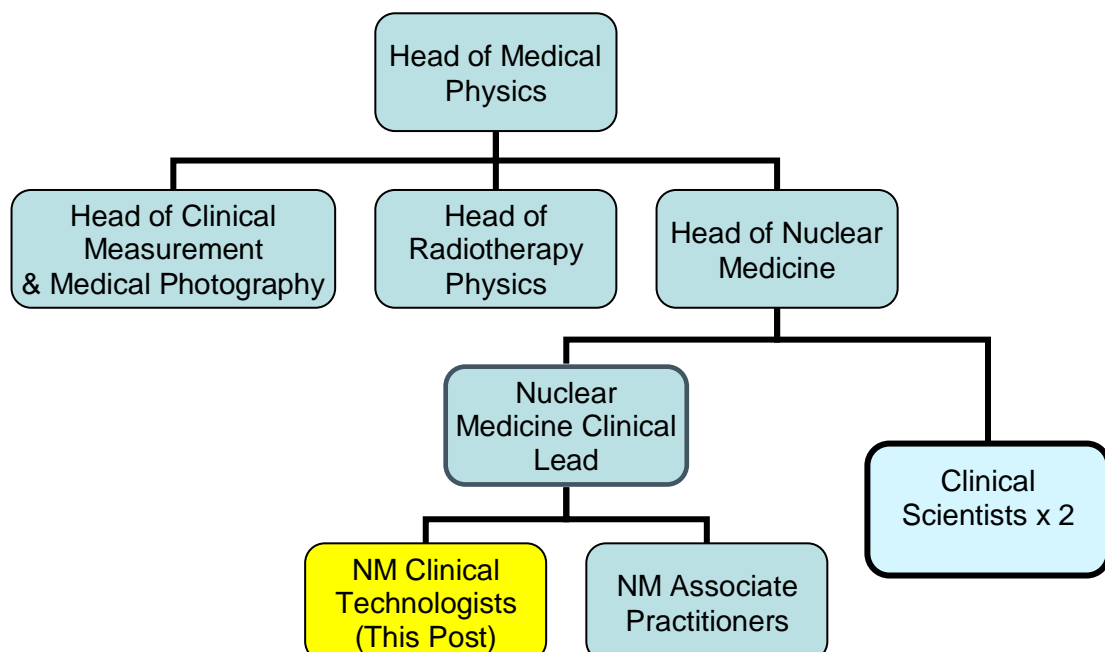
Role Details

Job Title	Clinical Technologist (Nuclear Medicine)
Band	6
Department/Service	Medical Physics

Organisational Relationships:

Responsible to:	Clinical Lead for Nuclear Medicine
Accountable to:	Head of Nuclear Medicine
Professionally Accountable to:	
Responsible for:	Practical supervision of associate practitioners and trainees

Organisational Chart:

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                    Head of Medical
                        Physics
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        ┌──────────────────┼──────────────────┐
   Head of Clinical      Head of         Head of Nuclear
   Measurement         Radiotherapy         Medicine
 & Medical Photography    Physics              |
                                    ┌──────────┴──────────┐
                                  Nuclear                 │
                              Medicine Clinical           │
                                   Lead                   │
                           ┌────────┴────────┐       Clinical
                      NM Clinical        NM Associate  Scientists x 2
                     Technologists       Practitioners
                     (This Post)
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Job Summary/ Role:

- To provide specialist technologist services to the Trust's comprehensive nuclear medicine service.
- Operates SPECT/CT system to obtain the optimum information from each individual patient investigation, including computer-processing of studies.
- Radiopharmaceutical production: preparation of sterile, radioactive products according to GMP so that they are suitable for administration to patients.
- Administration (including intravenous) of radioactive pharmaceutical products and adjunctive substances to patients, as required for patient tests.
- Patient welfare – knowledge and implementation of local policies relating to issues such as infection control, iv administration, life support, manual handling of patients, etc.
- Operates complex nuclear medicine equipment with precision and dexterity and in a safe manner.
- Maintains all standards and working practices necessary for the safe handling and use of radioactive materials.
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Key Relationships:

- Reports to Nuclear Medicine Clinical Lead
- Works in a multidisciplinary team alongside other Technologists, Radiographers, Clinical Scientists and Nurses
- Liaises with medical staff to determine appropriate patient care

Core Functions:

- Manufacturing of radiopharmaceuticals in accordance with GMP
- Administration of radiopharmaceuticals (diagnostic and therapeutic) to patients by intravenous, intradermal and oral routes in accordance with IR(ME)R 2017
- Performance of complex imaging procedures using the SPECT/CT system
- Performance of intricate non-imaging procedures
- Computer processing of patient images

Administrative Responsibilities	- Accurate record keeping required for the administration of radiopharmaceuticals and adjucts to patients. - Detailed radiopharmacy record keeping is required - Scheduling of patient procedures to ensure effficient use of resources and accurate recording of patient information
Clinical Responsibilities	- Performance of a wide range of complex imaging and non-imaging procedures to a high standard - Administration of radiopharmaceuticals to patients

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Management and Leadership Responsibilities	• Provides supervision for associate practitioners and trainees. • Champion the Trust improvement and leadership strategy, through attendance at New and Aspiring Leaders and Foundation Quality Improvement training
Policy and Service Development	• Actively participates in service development such as updating local procedures and writing SOPs for new procedures • Champion and lead quality improvement initiatives across your immediate team and within your service, contributing to the Trust Quality Improvement programme
Research and Audit Responsibilities	• Facilitates research trials by providing diagnostic information • Participates in research within the deparment when the opportunity arises • Performs audits within the department i.e. IR(ME)R audits
Managing Resources Responsibilities	• Ensures efficient use of resources such as expensive radiopharmaceticals by careful patient scheduling
Education and Training	• Mentors trainees within the department. • Provides insight and explanation to visiting healthcare proffesionals
The job description and duties may be subject to future review as the needs of the service change.	

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Person Specification

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KNOWLEDGE & SKILLS

Essential	Desirable	Assessment Method
- Good knowledge of clinical nuclear medicine techniques and all related activities - Good understanding of human anatomy, physiology and major disease processes - Good knowledge of all relevant safety principles, standards and legislation - Knowledge of underlying principles of prevention from Hospital Acquired Infections - Experience in dealing with patients and their relatives and carers in a concise but compassionate way - Ability to work as a member of the team. - Good communication skills with all staff groups. - Ability to work methodically and in accordance with written procedures - Numeracy and literacy skills of a high order Keyboard and IT skills	- Good knowledge and understanding of the physics behind the operation of complex nuclear medicine equipment - Skill and experience in the preparation of sterile radiopharmaceuticals and their administration to patients - Evidence of accurate record-keeping and well developed numeracy skills - An appreciation of NHS data security issues relating to sensitive patient information and associated standards of record-keeping	

QUALIFICATIONS & TRAINING

Essential	Desirable	Assessment Method
- Degree in Clinical Physiology or Radiography, or in an appropriate scientific discipline or an equivalent qualification - Eligible for membership of RCT or HCPC	A higher degree or equivalent experience in a related scientific discipline Evidence of a commitment to ongoing personal or professional development including the development of others	

EXPERIENCE

Essential	Desirable	Assessment Method
Significant experience of clinical nuclear medicine work Experience of working in a team and following instructions from the team-leader	- Ability to work under pressure - Recognises limitations of one's own abilities and scope of practice - Familiar with an underpinning Health and Safety culture Understands the concept of mandatory training and importance of documenting training received	

PERSONAL ATTRIBUTES

Essential	Desirable	Assessment Method

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- Professional integrity - Flexible approach - Reliable and trustworthy - Demonstrate sensitivity and consideration to patients and other service-users - Patient handling skills - Manual dexterity Ability to carry out duties that involve moderate physical effort throughout the working day	- Has worked as a member of a team and cooperated with staff from other disciplines - Has a track-record "service-improvement" initiatives	

Communications and Working Relations

The post-holder must treat colleagues in a manner that conveys respect for the abilities of each other and a willingness to work as a team.

2. Policies and Procedures

All duties and responsibilities must be undertaken in compliance with the Trust's Policies and Procedures. The post-holder must familiarise the ways in which to raise a concern to the Trust e.g. Freedom to Speak Up – Raising Concerns (Whistleblowing) Policy in order that these can be brought to the Trust's attention immediately.

3. Health and Safety

The post-holder must be aware of the responsibilities placed upon themselves under the Health & Safety at Work Act (1974), subsequent legislation and Trust Policies; to maintain safe working practice and safe working environments for themselves, colleagues and service users.

4. No Smoking

All Health Service premises are considered as non-smoking zones; the post-holder must familiarise themselves with the Trust's Smokefree Policy (G35)

5. Confidentiality

All personnel working for, on behalf of or within the NHS are bound by a legal duty of confidentiality (Common Law Duty of Confidentiality). The post-holder must not disclose either during or after the termination of their contract, any information of a confidential nature relating to the Trust, its staff, its patients or third party, which may have been obtained in the course of their employment.

6. Equal Opportunities

The Trust believes that all staff have a responsibility to make every contact count. This is to ensure that we are able to reduce health inequalities to the people we deliver services to and to our employees in our goal to deliver seamless, high quality, safe healthcare for all, which is appropriate and responsive to meeting the diverse needs of individuals. In working towards achieving our goals, it is important that staff and users of our service are treated equitably, with dignity and respect, and are involved and considered in every aspect of practice and changes affecting their employment or health care within the Trust.

7. Infection Control

The post-holder will ensure that (s)he follows the Trust's hospital infection prevention and control (HIC) policies and procedures to protect patients, staff and visitors from healthcare-associated infections. He or she will ensure that (s)he performs the correct hand hygiene procedures (as described in HIC 14), when carrying out clinical duties. He or she will use aseptic technique and personal protective equipment in accordance with Trust policies. All staff must challenge non-compliance with infection, prevention and control policies immediately and feedback through the appropriate line managers if required.

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8. Safeguarding Children and Adults

The Trust takes its statutory responsibilities to safeguard and promote the welfare of children and adults very seriously. The Board of Directors expects all staff will identify with their manager during the SDR process their own responsibilities appropriate to their role in line with statute and guidance. This will include accessing safeguarding training and may include seeking advice, support and supervision from the trust safeguarding children or safeguarding adult teams. Where individuals and managers are unclear of those responsibilities they are expected to seek advice from the safeguarding teams.

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APPENDIX 2

PROFILE SUPPLEMENT

This Role Involves:	Yes	No	Rare	Occasional	Frequent	Examples
Lifting weights/objects between 6-15 kilos						
Lifting weights/objectives above 15 kilos						
Using equipment to lift, push or pull patients/objects						
Lifting heavy containers or equipment						
Running in an emergency						
Driving alone/with passengers/with goods						
Invasive surgical procedures						
Working at height or in a confined space						
Concentration to assess patients/analyse information						
Response to emergency situations						
To change plans and appointments/meetings						

depending on the needs of this role						
Clinical interventions						
Informing patients/family/carers of unwelcome news						
Caring for terminally ill patients						
Dealing with difficult family situations						
Caring for/working with patients with severely challenging behaviour						
Typing up of formal minutes/case conferences						
Clinical/hands on patient/client care						
Contacts with uncontained blood/bodily fluids						
Exposure to verbal aggression						
Exposure to physical aggression						
Exposure to unpleasant working conditions dust/dirt/fleas						
Exposure to harmful chemicals/radiation						
Attending the scene of an emergency						
Food preparation and handling						
Working on a computer for majority of work						
Use of road transport						

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