

The Newcastle upon Tyne Hospitals NHS Foundation Trust**Job Description****Job Details**

Job Title	Clinical Technologist (Ultrasound Physics)
Band	5
Directorate:	Northern Medical Physics & Clinical Engineering
Base:	Freeman Hospital

Essential Requirements:

- HNC/HND or equivalent experience.
- Registration with HCPC (radiographers) or eligible to work towards membership of the Professional Standards Authority Accredited Register of Clinical Technologists
- Full UK driving licence.
- Experience carrying out scientific measurements or tests.
- Experience of analysing data and writing reports.
- Basic knowledge and understanding of all relevant safety principles, standards and legislation applied to the clinical use of ultrasound equipment.
- Basic knowledge of anatomy and physiology relevant to area of work
- Basic knowledge of clinical hazards and infection control
- Good knowledge of safe moving and handling techniques in non-clinical environment.
- Numeracy and accuracy of a high order.
- Good knowledge of IT software packages (e.g., Word, Excel, PowerPoint, Access) and experience of applying them
- The ability to work under pressure.
- Full UK driving licence.

Desirable Requirements:

- Degree in Clinical Technology, or a degree or equivalent qualification in another relevant subject e.g., Applied Physics, Radiography or Biomedical Science.
- Some knowledge of the physics and engineering principles involved in the operation of x-ray equipment.
- Experience of working with Ultrasound or radiation measuring equipment.
- in-depth specialist knowledge acquired through training courses.
- CPD evidence
- Experience in recording data accurately to ensure documentation is maintained to a high standard.

Job Purpose

- Providing technical aspects of diagnostic radiology physics services region-wide.
- Assist in a range of specialist healthcare science activities.
- Participate in research and development projects.

Dimensions

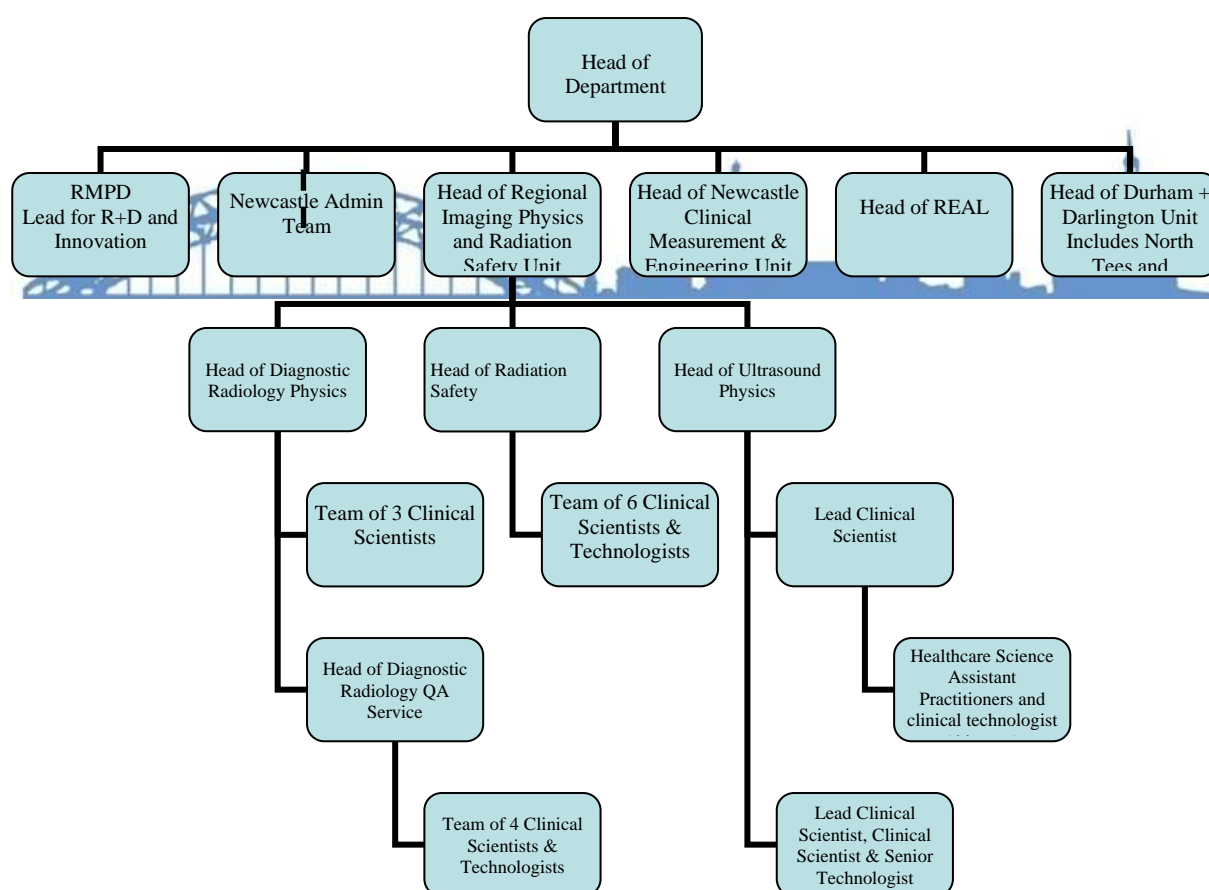
- The Northern Medical Physics and Clinical Engineering is a Clinical Directorate of the Newcastle upon Tyne Hospitals NHS Foundation Trust (NUTH).
- The Directorate provides both clinical services and research in a wide range of scientific and technical specialities.
- The Directorate has a compliment of 142 staff (October 2022).
- The Directorate delivers medical physics and clinical engineering services to NUTH and to a number of other healthcare organisations across Northern England. We also employ staff based in units at North Tees and Hartlepool NHS Foundation Trust, and County Durham and Darlington NHS Foundation Trust.
- We serve patients within tertiary, acute and primary care settings.

Organisational Arrangements

Reports to: Lead Clinical Scientist, Ultrasound Physics

Accountable to: Head of Ultrasound Physics

Organisation chart



Knowledge Training and Experience

- See essential Requirements

Skills**Communication and Relationships**

- Establish and maintain first class working relationships with colleagues, medical staff and other healthcare professionals.
- Provide and receive complex information.
- Provide accurate oral and written reports.

Analytical and Judgemental

- Interpretation of complex technical information
- Recognition of faults and taking appropriate action

Planning and Organisational

- Responsible for planning own workload, some of which is ongoing.

Physical Dexterity

- Highly developed physical skills to operate expensive and complex equipment.
- Ability to operate equipment safely and effectively for prolonged periods of time.
- Knowledge of safe lifting and handling techniques.
- Proficient keyboard skills

Key Result Area**Patient / Client Care**

- Provides technical services for clinical equipment.
- To ensure Trust standards and guidelines on infection control are followed.
- Respond timely, correctly and professionally to client requests for service.
- Carry out tests in accordance with appropriate protocol.

Policy and Service Development

- Post holder will be expected to follow policy and guidelines within their own area.
- Contributes to discussions on changes to policies and procedures within the section to ensure reflect best practice, thus maintaining and improving the quality of the services.

Financial and Physical Resources

- Responsible for the safe use of expensive equipment
- Report all faults on equipment to senior colleagues.

Human Resources

- Provide training in own discipline to new or less experienced staff.

Information Resources

- Records patient and technical data into database accurately.
- Regularly uses computer software to produce test reports.

Research and Development

- Participate in development of new equipment testing techniques.
- Occasionally undertakes equipment testing and trials of clinical devices.

Freedom to Act

- Post holder is responsible for management of own work schedule.
- Works independently but within appropriate occupational guidelines.

Effort and Environment

Physical

- There is a frequent requirement to sit in a restricted position.
- Occasionally exert moderate physical effort for short periods.
- Regular handling of light components/equipment
- Occasional use of handling equipment to move heavier component/equipment.

Mental

- Frequent periods of prolonged concentration while using technical software for equipment testing purposes.

Emotional

- Occasional exposure to direct distressing or emotional circumstances

Working Conditions

- Occasional exposure to unpleasant substances or patients with serious infectious conditions or devices contaminated with bodily fluids.
- VDU use.
- Regular requirement to drive to other sites to carry out equipment tests.

Signed:
(Post holder)

Date:

Signed:
(Directorate Manager or equivalent)

Date:

Person Specification

JOB TITLE: Clinical Technologist

BAND: 5

DIRECTORATE: Northern Medical Physics & Clinical Engineering

<u>REQUIREMENT</u>	<u>ESSENTIAL</u> Requirements necessary for safe and effective performance of the job	<u>DESIRABLE</u> Where available, elements that contribute to improved/immediate performance in the job	<u>ASSESSMENT</u>
Qualifications & Education	<ul style="list-style-type: none"> HNC/HND or equivalent experience. Registration with HCPC (radiographers) or eligible to work towards membership of the Professional Standards Authority Accredited Register of Clinical Technologists Full UK driving licence 	<ul style="list-style-type: none"> Degree in Clinical Technology, or a degree or equivalent qualification in another relevant subject e.g., Applied Physics, Radiography or Biomedical Science. 	
Knowledge & Experience	<ul style="list-style-type: none"> Experience carrying out scientific measurements or tests. Experience of analysing data and writing reports. Basic knowledge and understanding of all relevant safety principles, standards and legislation applied to the clinical use of ultrasound equipment. Basic knowledge of anatomy and physiology relevant to area of work Basic knowledge of clinical hazards and infection control Good knowledge of safe moving and handling techniques in non-clinical environment. 	<ul style="list-style-type: none"> Some knowledge of the physics and engineering principles involved in the operation of ultrasound equipment. Experience of working with ultrasound or radiation measuring equipment. in-depth specialist knowledge acquired through training courses. CPD evidence 	
Skills & Abilities	<ul style="list-style-type: none"> Numeracy and accuracy of a high order. Good knowledge of IT software packages (e.g., Word, Excel, PowerPoint, Access) and experience of applying them The ability to work under pressure. 	<ul style="list-style-type: none"> Experience in recording data accurately to ensure documentation is maintained to a high standard 	
Values / Behavioural / Attitudes	<ul style="list-style-type: none"> Flexibility of approach. Team player 	<ul style="list-style-type: none"> Promote positive image of department at all times. Work cohesively with other team members 	
Core Behaviours	<ul style="list-style-type: none"> Alignment to Trust Values and Core Behaviours Take personal responsibility to: <ul style="list-style-type: none"> engage with the Trust's Climate Emergency Strategy and Sustainable Healthcare in Newcastle (SHINE) initiatives. assist in embedding our sustainability values into everyday practice; and help ensure such practice is applied consistently by you and your colleagues 	Evidence of understanding of Trust Business	

New Ref: 0063-A-032023

Old Ref: MED/PTB/RMP/TRT/243f

CANDIDATE:

REFERENCE NO:

SIGNED BY:

DATE:

DESIGNATION:

