

## The Newcastle Hospitals NHS Foundation Trust

### Job Description

#### Job Details

<b>Job Title</b>	Vascular Sonographer
<b>Band</b>	7
<b>Directorate:</b>	Radiology
<b>Service / Function:</b>	Vascular Ultrasound
<b>Site:</b>	Freeman

#### Job Purpose

- Assist in the delivery of the technical aspects of Vascular Ultrasound Service, at Freeman Hospital, Sunderland Royal Hospital and University Hospital North Durham sites.
- Assists in providing professional technical leadership in an area of expertise locally.
- Assists in maintaining and developing high standards of service provision throughout their area of responsibility.
- Assists in developing, implementing and monitoring clinical and organisational strategies within areas of expertise
- Contributes to service and staff development

#### Organisational Arrangements

**Reports to:** Regional Ultrasound Manager

**Accountable to:** Regional Ultrasound Manager

#### Knowledge Training and Experience

##### *Educational*

- A recognised Degree in relevant subject or equivalent.
- Appropriate post-graduate degree at master's level, or equivalent level of specialist knowledge.
- The post holder must be on the HCPC Register or equivalent Voluntary Register.

##### *Scientific Knowledge and Experience*

- Good knowledge of IT software packages (e.g., Word, Excel, PowerPoint, Excel) and experience of applying them.
- Knowledge of relevant legislation, standards and safety principles relating to the working area.

- Specialist knowledge and skills in medical or scientific equipment relevant to working area.
- Ability to work under pressure to meet deadlines and maintain technical services.
- A professional approach to dealing with other staff and patients.
- Knowledge of Governance issues including ethical and regulatory considerations.

#### *Technical*

- In-depth specialist knowledge and understanding of the application of physical and engineering sciences to medicine.

#### *Clinical*

- Knowledge of anatomy, physiology and pathology relevant to the area of work.
  - The post holder will have specialist knowledge and experience in vascular ultrasound scanning.
  - Following further appropriate training may also undertake a wider range of scanning applications (abdominal, gynaecology, small parts)
  - Where deemed competent may perform interventional ultrasound techniques as per departmental protocol and agreed scheme of work.

#### *Training*

- The post holder is expected to follow an approved programme of continuing professional development (CPD)

### **Skills**

#### **Communication and Relationships**

- Communicates with senior staff of a variety of disciplines.
- Communicates complex information relating to specialist procedures to colleagues.
- The post holder is required to lead negotiations within their Service on a range of issues including:
  - Changing work practices
  - Areas of conflict between individuals or groups
- The post holder is required to present at region wide meetings.
- The post holder is required to develop positive working relationships at all levels in connection with their service.
- The post holder is responsible for ensuring effective communications within their service and across professional boundaries, overcoming barriers to understanding.
- To communicate procedures in simple terms to patients and their relatives.

#### *Clinical*

- Well-developed patient handling skills
- Explain procedures to patients and others, some of whom have significant barriers to accepting the information.
- Communicate sensitive information to appropriate staff.
- Provide accurate oral and written reports.

#### **Analytical and Judgemental**

- Interpretation and formulation of complex technical data.
- To have the scientific skills to interpret results and form a judgement on their

significance in situations

- To contribute to the development of cost-effective technical solutions to clinical problems

### **Planning and Organisational**

- Post holder supports the development of service wide strategic plans for their area of responsibility, taking into account the aims and objectives of the Service / Section / Directorate / Trust and stakeholder organisations.
- Plans a complex range of activities in accordance with Trust objectives, standards and priorities, including the formulation and adjustment of plans.
- Responsible for ensuring that the service complies with Health and Safety requirements and Trust risk management policies.
- Implements strategic plans developed by the various professional leads and Heads of Units

### **Physical Dexterity**

- Advanced keyboard skills.

#### *Technical*

- Ability to apply and adjust complex, sensitive equipment requiring the skill of hand-eye co-ordination and high degree of precision.
- Use precision tests and measurement equipment safely and effectively
- To perform accurate calibrations of medical equipment.
- To perform minute adjustments to electronic equipment.

#### *Clinical*

- Ability to operate medical equipment safely and effectively for prolonged periods of time
- Regularly carry out patient measurement

## **Key Result Areas**

### **Patient / Client Care**

- Provide highly specialist technical service.
- Provide highly specialist advice and information directly to medical, nursing and other NHS users and clients.

#### *Technical*

- To provide technical assistance and advice to medical staff or other health care professionals performing clinical investigations or interventions.
- To ensure patient safety with the use of commercially manufactured equipment and systems ensuring that these are adequately maintained, calibrated and tested.

#### *Clinical*

- Provide timely and accurate reports
- To ensure Trust standards and guidelines on infection control are followed

### **Policy and Service Development**

- To be aware of relevant legal and statutory issues, international standards, and guidelines for best practice.
- Implementing local, departmental and Trust policies to meet legal and statutory

requirements at all times, for example in relation to the data protection act.

- Contributes to discussions on changes to policies within own area to ensure they reflect best practice, thus maintaining and improving the quality of the services.
- Ensure new or amended protocols and procedures are correctly and uniformly implemented.

### **Financial and Physical Resources**

- To be responsible for the safe use of expensive highly complex equipment.
- To help contribute to the specification and justification of goods and services required by the Section as a whole, particularly in regard to statutory and other requirements for medical devices.

### **Human Resources**

- Responsible for the day-to-day management of staff within the Service
- Trains Clinical Technologists and other healthcare professionals as required

### **Information Resources**

- Play a role in the efficient management of data storage, backup and security.
- Create spreadsheets and databases as required for record keeping and operational statistics.
- The post holder has access to sensitive information and is responsible for its security and confidentiality in accordance with the data protection act.

### **Research and Development**

- Regularly participates assisting in commissioning equipment and software prior to clinical use.
- To audit services to contribute to clinical governance.

### **Freedom to Act**

- The post holder is expected to work independently, within professional guidelines, and use their own judgement to determine when it is necessary to refer to their line manager for guidance.
- The post holder's work is managed rather than supervised with results being assessed at agreed intervals.
- To be expected to act in a manner consistent with the best interests of the patient, and the highest standards of safety to staff, other persons and the environment
- Prioritisation of own work and others.

### **Effort and Environment**

#### **Physical Effort**

- There is a frequent requirement to sit in a restricted position as a substantial proportion of the working time is spent using a computer.
- Occasionally exert moderate physical effort for short periods.

#### **Mental Effort**

- There are frequent prolonged periods of concentration while using technical software

**Emotional Effort**

- Occasional exposure to direct distressing circumstances.
- Frequent exposure to indirect distressing or emotional circumstances.

**Working Conditions**

- Occasional exposure to unpleasant substances
- VDU use

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**Signed:** .....  
(Post holder)

**Date:** .....

**Signed:** .....  
(Directorate Manager or equivalent)

**Date:** .....



**The Newcastle upon Tyne Hospitals NHS Foundation Trust**

**Person Specification**

**JOB TITLE:** Vascular Sonographer

**BAND:** 7

**DIRECTORATE:** Radiology

<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>
<b>Qualifications &amp; Education</b>	<ul style="list-style-type: none"> <li>• A recognised Degree in relevant subject or equivalent.</li> <li>• Appropriate post-graduate certificate/degree at master's level, or equivalent level of specialist knowledge.</li> <li>• The post holder must be on the HCPC Register or equivalent Voluntary Register.</li> </ul>	<ul style="list-style-type: none"> <li>• SVT Accredited Vascular Scientist</li> </ul>	
<b>Knowledge &amp; Experience</b>	<ul style="list-style-type: none"> <li>• Good knowledge of IT software packages (e.g., Word, Excel, PowerPoint, Excel) and experience of applying them.</li> <li>• Knowledge of relevant legislation, standards and safety principles relating to the working area.</li> <li>• Specialist knowledge and skills in medical or scientific equipment relevant to working area.</li> <li>• Knowledge of Governance issues including ethical and regulatory considerations.</li> <li>• In-depth specialist knowledge and understanding of the application of physical and engineering sciences to medicine.</li> <li>• Knowledge of anatomy, physiology and pathology relevant to the area of work.</li> </ul>	<ul style="list-style-type: none"> <li>• Experience of quality assurance, research and audit.</li> <li>• Experience in teaching</li> <li>• Principles of clinical governance</li> <li>• Working knowledge of patient information and management systems.</li> </ul>	
<b>Skills &amp; Abilities</b>	<ul style="list-style-type: none"> <li>• Ability to work under pressure to meet deadlines and maintain technical services.</li> <li>• Ability to perform and independently report a wide range of vascular ultrasound examinations.</li> </ul>	<ul style="list-style-type: none"> <li>• Good organisational skills</li> <li>• Previous patient experience</li> <li>• Teaching skills</li> <li>• Research skills</li> </ul>	
<b>Values / Behavioural / Attitudes</b>	<ul style="list-style-type: none"> <li>• A professional approach to dealing with other staff and patients.</li> <li>• The post holder is expected to follow an approved programme of continuing professional development (CPD)</li> </ul>		
<b>Core Behaviours</b>	<ul style="list-style-type: none"> <li>• Alignment to Trust Values and Core Behaviours</li> <li>• Take personal responsibility to:               <ul style="list-style-type: none"> <li>○ engage with the Trust's Climate Emergency Strategy and Sustainable Healthcare in Newcastle (SHINE) initiatives.</li> <li>○ assist in embedding our sustainability values into everyday practice; and</li> <li>○ help ensure such practice is applied consistently by you and your</li> </ul> </li> </ul>		

	colleagues		
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**CANDIDATE:**

**REFERENCE NO:**

**SIGNED BY:**

**DATE:**

**DESIGNATION:**

