

Clinical Vascular Scientist

Candidate Pack



Job Summary

This summary has been generated using AI to provide a clear and accessible overview of the role. It is intended to support candidates who may find the full job description harder to read, such as those who are neurodiverse, have learning disabilities or lower literacy levels. Our goal is to make the application process more accessible and inclusive for everyone.

- The role involves carrying out and reporting specialist vascular ultrasound scans on patients of all ages.
- You will use your expert skills to understand scan results and help guide the next steps in a patient's care.
- You will support patients and their families by explaining tests and offering reassurance in a calm and professional way.
- You will work across both hospital sites and be part of a wider team that includes sonographers, doctors and nurses.
- You will help train others, take part in audits and meetings, and support the development of the vascular ultrasound service.
- You will also use advanced equipment safely and accurately, while managing a busy workload and maintaining high standards of patient care.

Job Description

Job title:	Clinical Vascular Scientist
Grade:	7
Site:	The Royal Shrewsbury Hospital
Accountable to:	Lead Superintendent Sonographer
DBS required:	Yes – Enhanced

Job Purpose

An exciting opportunity has arisen for a motivated and dedicated Clinical Vascular Scientist to join our team of Advanced Practice Vascular Sonographers working within the wider Radiology Non-Obstetric Ultrasound Team.

The post holder is responsible for independently performing, interpreting and reporting a comprehensive range of highly specialised vascular ultrasound investigations. Use their professional judgment to act upon the result of an investigation to ensure the best possible clinical care and be responsible for reporting the result using the appropriate method. This may include advising Clinicians on an appropriate course of action, including arranging urgent outpatient referral, inpatient admission or surgery. Required on a daily basis to provide reassurance to patients and relatives relating to the investigations being performed, and where appropriate discuss the outcomes in a sensitive and professional manner.

This post involves cross site working across the Royal Shrewsbury Hospital and the Princess Royal Hospital, Telford and may in the future include the Community Diagnostic

Main Duties and Responsibilities

Specialist

- Have a highly developed specialist knowledge of all areas of vascular ultrasound acquired through training to master's degree level or equivalent level of expertise.
- Specialist training in the use of expensive and complex vascular ultrasound equipment.
- Uses a high level of analytical and judgmental skills to assess complex information.

Clinical

- Following departmental protocols, independently perform, interpret and report a comprehensive range of highly specialised vascular ultrasound investigations in a wide range of patients.
- Manage a significant caseload of complex patients in a face paced working environment and modify the examination depending on the findings using advanced skill and knowledge obtained through experience.
- Use professional judgment to act upon the result of an investigation to ensure the best possible clinical care and be responsible for reporting the result using the appropriate method. This may include advising clinicians on appropriate course of action, including arranging outpatient referral, inpatient admission or surgery.
- Always ensure patient confidentiality and dignity, providing an appropriate environment to perform diagnostic tests and discuss results.
- On a daily basis the postholder will be required to provide reassurance to patients and relatives relating to the investigations being performed, and where appropriate discuss the outcomes in a sensitive and professional manner.

Professional

- To communicate highly complex clinical information in an effective a timely manner using both written and spoken language in a wide range of situations where barriers to communication may exist.
- Provide specialist expert advice on vascular pathology and ultrasound to clinicians, specialist nurses and other staff.
- To work in a collaborative manner with many colleagues to deliver a coordinated, multidisciplinary service and assist others in the delivery of their services.
- Plan, organise and prioritise workload appropriately.
- To attend Vascular MDTs.
- To undertake audit of clinical practice in line with departmental protocols and attend quarterly ultrasound governance/audit meetings.
- To participate in appropriate personal development programs and maintain a CPD portfolio.

Management

- Able to exercise own initiative when dealing with issues within own specialist area of competence.

- To accept clinical responsibility for a caseload of vascular ultrasound patients, be able to organise effectively and efficiently whilst having regard for clinical urgency and priorities and departmental resources.
- Contribute to the development and extension of the vascular ultrasound department.
- Participate in the supervision and teaching of trainee sonographers.
- Assist the Lead Superintendent Sonographer with service management (may include rotas, activity management, equipment management etc).

Research

- To encourage and facilitate clinical research in the department, leading to evidence-based changes in clinical practice.

Systems and Equipment

- The postholder is required to be an 'expert user' in vascular ultrasound equipment, being able to adjust settings to obtain best possible diagnostic images.
- Do daily, weekly and monthly QA checks and report any faults or breakdowns to external service providers.
- Be competent in using Radiology Systems e.g. CRIS/PACs to ensure accurate patient records.

Physical, mental and emotional demands of the post

Physical

- Highly developed physical skills with good hand eye coordination are necessary.
- Frequent, repetitive physical effort to obtain optimal images. Ideally periods of work should be broken up into sessions and micro breaks, where time allows, reducing the strain of repetitive movements of the upper limb and trunk that are necessary for each scan
- Ability to measure accurately.
- Appropriate knowledge of manual handling patients with varying disabilities and moving heavy equipment

Mental

- Frequent extended times of intense concentration during each scan. Frequent interruptions to work and concentration whilst scanning and reporting e.g. doctors with urgent requests, phone calls etc.
- To cope with frequent interruptions whilst in periods of concentration.

Emotional

- Coping with pressure from patients to reveal the results of the scan when this is not appropriate.
- Discussing terminal illness with those aware of their condition.

Handling seriously ill patients and patients with challenging behavior

Person Specification

	Essential	Desirable
Qualifications	<ul style="list-style-type: none"> • Relevant Science Degree (BSc or higher) • Accredited CSVS (Society of Vascular Technology for Great Britain and Ireland) Membership or HCPC registration as a Clinical Scientist • CASE accredited (or equivalent) PgCert, PgDip or MSC in Vascular Ultrasound 	
Experience	<ul style="list-style-type: none"> • NHS experience • Previous practical experience as Vascular Scientist • Evidence of a commitment to continuous professional development 	<ul style="list-style-type: none"> • Qualification and experience in general ultrasound imaging including abdomen and gynaecology.
Knowledge and skills	<ul style="list-style-type: none"> • Independently perform, interpret and report a varied range of complex, vascular ultrasound examinations including: Carotid, lower & upper limb arterial, lower & upper limb venous (DVT & CVI), AAA's and EVARs • Ability to manage own workload • Ability to teach clinical skills to other staff and students • Effective communication skills to gain informed consent and convey appropriate information to patients, carers and relatives 	<ul style="list-style-type: none"> • Example • Example • Example

	<ul style="list-style-type: none"> • Ability to communicate with a multidisciplinary team both in and outside of the department • To participate in MDT meetings • Highly developed specialist knowledge underpinned by theory and experience in Vascular Ultrasound • In depth knowledge of vascular anatomy and ultrasound techniques • In depth knowledge of vascular disease process and management 	
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General conditions

As they undertake their duties, all our people are required to uphold and demonstrate the Trust's core values of: Partnering, Ambitious, Caring and Trusted. Collaboration and partnership are also central to our approach in delivering our fundamental activities of patient care, teaching, and research.

Health & Safety

As an employee of the Trust you have a responsibility to:

- take reasonable care of your own Health and Safety and that of any other person who may be affected by your acts or omissions at work;
- co-operate with the Trust in ensuring that statutory regulations, codes of practice, local policies and departmental health and safety rules are adhered to;
- not intentionally or recklessly interfere with or misuse anything provided in the interests of health and safety.

Infection Prevention and Control

The prevention and management of acquired infection is a key priority for the Trust. Any breach of infection control policies is a serious matter which may result in disciplinary action. As an employee of the Trust you have a responsibility to:

- ensure that your work methods are compliant with the Trust's agreed policies and procedures and do not endanger other people or yourself;
- be aware of infection prevention and control policies, practices and guidelines appropriate for your duties and you must follow these at all times to maintain a safe environment for patients, visitors and staff;
- maintain an up to date knowledge of infection prevention and control, policies, practices and procedures through attendance at annual mandatory updates and ongoing continuing professional development;
- challenge poor infection prevention and control practices of others and to report any breaches, using appropriate Trust mechanisms (e.g. incident reporting policy).

Information Governance

The Trust is committed to compliance with Information Governance standards to ensure that all information is handled legally, securely, efficiently and effectively. You are required to comply with the Trust's Information Governance policies and standards. Failure to do so may result in action being taken in accordance with the Trust's Disciplinary Procedure.

- **Confidentiality and Security** - Your attention is drawn to the confidential and sensitive nature of information collected within the NHS. Whilst you are employed by the Trust you will come into contact with confidential information and data relating to the work of the Trust, its patients or employees. You are bound by your conditions of service to respect the confidentiality of any information you may come into contact with which identifies patients, employees or other Trust personnel, or business information of the Trust. You also have a duty to ensure that all confidential information is held securely at all times, both on and off site.
- **Disclosure of Information** - The unauthorised use or disclosure of information relating to the Trust's activities or affairs, the treatment of patients or the personal details of an employee, will normally be considered a serious disciplinary offence which could result in dismissal. Upon leaving the Trust's employment and at any time thereafter you must not take advantage of or disclose confidential information that you learnt in the course of your employment. Unauthorised disclosure of any of this information may be deemed as a criminal offence. If you are found to have permitted the unauthorised disclosure of any such information, you and the Trust may face legal action.
- **Information Quality and Records Management** - You must ensure that all information handled by you is accurate and kept up-to-date and you must comply with the Trust's recording, monitoring, validation and improvement schemes and processes.

Professional Standards and Performance Review

As an employee of the Trust you have a responsibility to:

- participate in statutory and mandatory training as appropriate for the post; and
- maintain consistently high personal and professional standards and act in accordance with the relevant professional code of conduct;
- take responsibility for the maintenance and improvement of personal and professional competence and to encourage that of colleagues and subordinates;
- participate in the Trust's appraisal processes including identifying performance standards for the post, personal objective setting and the creation of a personal development plan in line with the KSF outline for the post.

Safeguarding Children and Vulnerable Adults

We all have a personal and a professional responsibility within the Trust to identify and report abuse. This may be known, suspected, witnessed or have raised concerns. Early recognition is vital to ensuring the patient is safeguarded; other people (children and vulnerable adults) may be at risk. The Trust's procedures must

be implemented, working in partnership with the relevant authorities. The Sharing of Information no matter how small is of prime importance in safeguarding children, young people and vulnerable adults.

- As an employee of the Trust you have a responsibility to ensure that:
 - you are familiar with and adhere to the Trusts Safeguarding Children procedures and guidelines.
 - you attend safeguarding awareness training and undertake any additional training in relation to safeguarding relevant to your role.

NHS Sexual Safety Charter

The Trust is committed to ensuring that all employees work in an environment that is safe, inclusive, and free from sexual misconduct, harassment, and discrimination. As a signatory to the NHS Sexual Safety Charter, the Trust upholds a zero-tolerance approach to sexual harassment and supports anyone affected by inappropriate behaviour. In accordance with the Workers Protection (Amendment of Equality Act 2010) Act 2023, the Trust has a statutory duty to take reasonable steps to prevent sexual harassment of its employees. All staff, are required to treat others with dignity and respect at all times and to cooperate with Trust policies, procedures and training designed to maintain a culture of safety, professionalism, and mutual respect.

Social Responsibility

The Trust is committed to behaving responsibly in the way we manage transport, procurement, our facilities, employment, skills and our engagement with the local community so that we can make a positive contribution to society. As an employee of the Trust you have a responsibility to take measures to support our contribution and to reduce the environmental impact of our activities relating to energy and water usage, transport and waste.

Continuous Improvement

The Shrewsbury and Telford Hospital NHS Trust aims to empower colleagues at all levels have the confidence, capability, passion, and knowledge, to test changes and make improvements at SaTH and in the communities we serve.

To support this, we have developed the SaTH Improvement Method, a structured approach to change that provides practical tools and techniques to help you understand what success looks like with clear aims, enables you to measure progress and plan meaningful improvements.

You won't be doing this alone. Whether you're new to improvement or already leading change, the Improvement Hub is here to guide you with expert advice, hands-on support, and a wide range of training opportunities to help you grow and

thrive throughout your time at SaTH whilst making improvements in your area of work. Join us in shaping a culture of continuous improvement, where every colleague is supported to make a difference.

Equal opportunities and diversity

The Shrewsbury and Telford Hospital NHS Trust is an Equal Opportunities Employer, fully committed to fostering an inclusive workplace where all staff feel valued and able to thrive. We believe that a diverse workforce, reflective of our community, is essential for delivering the best patient care.

We will not discriminate against any job applicant or colleague based on any protected characteristic, including age, disability, gender reassignment, marriage and civil partnership, pregnancy and maternity, race (including colour, nationality, ethnic or national origin), religion or belief, sex, or sexual orientation. Selection for appointment, training, development, and promotion will be based purely on merit and the individual's ability to meet the role requirements.

As a post-holder, you have a personal responsibility to uphold the Trust's commitment to equality by treating all colleagues and patients with respect and dignity. You must actively support measures introduced to ensure equality of opportunity and will not discriminate, harass, or bully others, or condone such behaviour.

