

UNIVERSITY OF OTAGO
Ōtākou Whakaihū Waka

JOB DESCRIPTION

ROLE TITLE: Clinical Vascular Scientist (Sonographer)

DEPARTMENT: Surgical Sciences
Dunedin Medical School

SCHOOL / DIVISION: Health Sciences

REPORTS TO: Brigid G Hill
Clinical Manager
Department of Surgical Sciences

DIRECT REPORTS (FTE): 1.0 FTE

1. PRIMARY PURPOSE OF THE ROLE:

Performing detailed clinical vascular diagnostic tests and preparing clinical reports using mainly non-invasive plethysmography and ultrasound technology both in a clinical and research capacity, as part of a multidisciplinary team and the vascular division of the Southern District Health Board (SDHB).

2. ACCOUNTABILITIES:

- Provide exceptional highly detailed vascular ultrasound scanning and monitoring services that support clinical practice in accordance with policies, procedures and standards as set out in department protocols and the recognised professional standards such as the policies and statements of the Australasian Society for Ultrasound in Medicine (ASUM).
- Essential to have an in-depth knowledge of ultrasound physics and Doppler application in vascular disease.
- The acquisition of high-quality optimized imaging is essential for clinical interpretation by self and others.
- High quality detailed reporting is essential from the clinical ultrasound and physiology data so ensuring safe patient outcomes are reached by the vascular surgeon.
- Self-responsibility of clinical outputs and clear understanding of the accuracy of calculations and their clinical implications.
- High level judgement and reporting of clinical findings to the on-call vascular surgeon or referring clinician.
- Ability to apply autonomous judgement and systematic problem solving and extend examinations when required.
- High quality interaction with the patients, explanation of procedures, ultrasound examinations and ensure informed consent has been given.
- Preserve the need for patient's privacy and confidentiality at all times.
- Manage and secure confidential clinical information.
- Awareness of the sensitivity to patients' needs including physical, psychological and cultural awareness.
- Ability to support and direct surgeons/physicians with ultrasound guidance during interventional procedures within a high-level environment (operating theatre, intensive care units, emergency departments and interventional suites.)
- Ensure all clinical documentation is accurate, concise, complete, and reported in a timely manner.
- Demonstrate the ability to use time effectively and productively and manage a busy appointment schedule in the clinical setting.

- Perform high level expert research and reporting that supports both undergraduate and postgraduate students in research projects.
- Communicate a positive image of the department with any dealings or collaboration with other Departments, students, and members of the general public.

3. KEY RELATIONSHIPS:

Internal

Clinical Manager of Otago Vascular Diagnostics
 Research groups and other staff within Department of Surgical Sciences
 Postgraduate and surgical students
 Staff of other Departments of the University of Otago
 Vascular surgeons in the SDHB
 SDHB medical, nursing, and administrative staff

External

General Public (NB: High level of contact)
 Vascular surgeons in the external DHBs
 External agencies such as DHBs and Public Health Practitioners

Supervision of: N/A

4. QUALIFICATIONS & EXPERIENCE:

Essential

- Post graduate diploma in medical ultrasound (DMU) or an equivalent recognised qualification
- Registered and licenced with the Medical Radiation Technologists Board (MRTB)

Preferred

- Current advanced first aid certificate would be preferred, however access to relevant training can be provided
- Knowledge of emergency protocols and have the ability to initiate, implement emergency procedures until help arrives

5. TECHNICAL SKILLS & KNOWLEDGE:

Essential

- A minimum of two years clinical experience (excluding training period)
- High standards of both written and oral communication in providing a summary of findings to the referring physician
- Ability to work cooperatively with others
- Proficiency in the field of interventional procedures
- Computer literacy particularly with databases

Preferred

- Comprehension of research practice and methodology is an advantage.
- Accurate recording and analysis of gathered data.
- Clinical reporting software packages knowledge is an advantage.
- Good time management.
- Ensure that exemplary health and safety practice (ergonomics) is adhered to at all times in accordance with laboratory protocol.

6. SPECIAL REQUIREMENTS: Contribute services to provide suitable coverage during periods of leave and peak period activities.

7. DIRECT BUDGET ACCOUNTABILITY: N/A

8. PROFESSIONAL PERFORMANCE STANDARDS:

- Adheres to the standards, policies and procedures adopted by the profession and regulated by law.
- All decision made and actions taken on behalf of the patient adhere to the Code of Ethics
- Demonstrates integrity in all aspect of the position

9. EQUITY AND DIVERSITY:

Act in a manner consistent with the University's commitment to anti-racism and the co-creation of accessible, safe, respectful, and welcoming environments where all students and staff are supported to achieve their full potential.

10. MĀORI STRATEGIC FRAMEWORK:

Act in a manner consistent with the principles and implications, as well as the University's commitment to the Treaty as articulated in the Māori Strategic Framework.

11. PACIFIC STRATEGIC FRAMEWORK:

Act in a manner consistent with the strategies and goals contained in the University's Pacific Strategic Framework, role-modelling and promoting Pacific values, equity and diversity principles and cultural safety practices.

12. HEALTH & SAFETY:

Act and work in a manner compliant with current health and safety at work legislation and University procedures, frameworks and guidelines. Role model safe behaviour and practices, share the responsibility to prevent harm and contribute to a safe campus and work environment, including raising workplace health and safety concerns for self, students, visitors and other staff.

13. SUSTAINABILITY:

Act in a manner consistent with the University's sustainability commitments; role-modelling sustainable practices, with a particular emphasis on minimising the environmental impact of day-to-day activities.