

POSITION DESCRIPTION

This position description is a guide and will vary from time to time, and between services and/or units to meet changing service needs

June 2024

Health New Zealand (HNZ) Canterbury | Te Whatu Ora is committed to the principles of the Treaty of Waitangi and the overarching objectives of the New Zealand health and disability strategies.

Position Title:	Nuclear Medicine Technologist	
Reports to:	Charge Nuclear Medicine Technologist	
Key Relationships:	Internal: <ul style="list-style-type: none">• Nuclear Medicine Clinical Lead• Nuclear Medicine Radiologist• Nuclear Medicine Registered Nurse• Nuclear Medicine Physicist• Department Administration Staff• Operations Manager, Radiology	External: <ul style="list-style-type: none">• Support staff and members of HNZ Multi-disciplinary teams• Referrers - Hospital, GP, Private• Patients requiring Nuclear Medicine Procedures• Whanau / significant others, who support patients attending.
Organisational Vision:	Our vision is to promote, enhance and facilitate the health and well being of the people of the Canterbury District.	
Organisational Values & Philosophy:	Health New Zealand Canterbury is committed to being an excellent and caring funder / provider of health and hospital services. Integral to the achieving our vision, goals and objectives of HNZ are the values of the organisation: <ul style="list-style-type: none">• Care & respect for others• Integrity in all we do• Responsibility for outcomes	
Role Purpose:	<p>The 'role title' is responsible for Radionuclide Imaging, Radiopharmacy, Radionuclide Therapy Invivo/Invitro Tests, Radionuclide Administration and Radiation Management.</p> <p>The key deliverables are –</p> <ul style="list-style-type: none">• Demonstrate effective interpersonal relationship skills - ability to work as part of a multi-disciplinary team and communicate effectively with patients, relatives, and members of the health care team.• Demonstrate professional responsibility - complying with HNZ Policy and Procedure, relevant codes of practice, health & safety standards, and departmental quality system procedures.• Apply specialist skills in all areas of Nuclear Medicine practice in order to provide the best quality service within allocated resources, meeting agreed time frames, outcomes and working to facilitate the patient journey.	
Complexity:	<p>Most challenging duties typically undertaken, or most complex problems solved:</p> <ul style="list-style-type: none">• Troubleshooting equipment, radiopharmacy and quality control issues• Advanced analysis techniques• Protocol development• Decisions on patient specific imaging procedures	

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KEY ACCOUNTABILITIES:

The 'role title' is responsible for:	The 'role title' will be successful when
1. Health and Safety Maintaining a high quality, safe and secure work environment by following relevant HNZ and divisional policies, protocols, and standards. Radiation Safety: involves practicing techniques that will minimise radiation exposure to the patient, health care personnel and general public, through consistent use of protective devices, shields and monitors consistent with ALARA (as low as reasonably achievable) and establishing protocols for managing spills and unplanned releases of radiation.	<ul style="list-style-type: none"> Quality control checks are performed on radiopharmaceuticals and equipment as scheduled, faults etc. are reported. Safe radiation practices are maintained, and radiation hazards minimised, using the ALARA principle and following NRL codes of practice. Personal protective equipment is used correctly and when required, HNZ infection control and standard precaution protocols are followed. Emergency procedures and CPR training is updated, hazards/incidents/accidents are reported promptly as per HNZ guidelines.
2. Quality Ensuring a quality service is provided in the Nuclear Medicine Dept. by taking an active role in quality activities, identifying areas of improvement.	<ul style="list-style-type: none"> Contributes to and promotes quality improvement activities within the service. Contributes ideas for practice improvement, follows through the process.
3. Radionuclide Imaging Assessing and responding to the patient's needs before, during and after diagnostic imaging, meeting agreed timeframes, outcomes and working to facilitate the patient journey. The utilization of appropriate techniques and image processing as part of a standard protocol to ensure quality diagnostic images. Operation of gamma camera systems, SPECT/CT systems and the evaluation and maintenance of a quality control program for all instrumentation to ensure optimal performance and stability.	<ul style="list-style-type: none"> Patients booked for correct procedure in a clinically appropriate time frame, they receive the correct information and are suitably prepared and consented. Clinically appropriate views are acquired for each patient using suitably calibrated and maintained equipment. Advice is sought where appropriate. Images are processed and displayed using the correct protocols. Accurate data is sent to information systems for reporting in an appropriate time frame.
4. Laboratory Procedures Preparing Radiopharmaceuticals and Radionuclide Therapies for administration using sterile techniques and safe radiation practices. Administering radiopharmaceuticals to patients as required. Performing In vivo/In vitro procedures for the assessment of physiologic function. The safe handling, storage, identification, calibration, preparation, quality control, dose calculation, dispensing, documentation, administration and disposal of radioactive materials.	<ul style="list-style-type: none"> Labelling of radiopharmaceutical cold kits pass QC tests and images of acceptable quality are produced. Dispensing /injecting the correct patient dose following documented procedures with adjustments for patient age/weight/status. Measurements and calculations are accurate Maintain safe, sterile practices and minimise radiation hazards relating to unsealed radioactive sources.
5. Research and Professional Development Maintaining and further developing professional skills and knowledge, through research, continuing education and an approved CPD program.	<ul style="list-style-type: none"> Participate in research and development of new procedures, modifications to existing procedures and new analysis techniques. Actively participate in CPD activities both in-service and external conferences/seminars.
6. Management Evaluating available resources to enable their efficient use to provide the service. Assessing the patient's condition to enable prioritisation. Evaluating workflow patterns to enable optimum use of resources.	<ul style="list-style-type: none"> Demonstrate stock control measures Contribute to work flows to optimise equipment resources and facilities

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PERSON SPECIFICATION:

Leadership Capabilities <i>(as per the Leadership Capability Framework)</i>	
Dimension	Description
Display self knowledge	Actively seeks feedback and opportunities to improve
Establish the change imperative	Foster and promote change
Think and act strategically	Model organisational values and ethics
Empower others to act	Build rapport and empower others
Stimulate innovation and create immediate wins	Display innovative and creative thinking
Foster a positive culture	Embrace difference and diversity

Qualifications & Experience <i>(indicate years of experience required and level of learning)</i>	
Essential	Desirable
<ul style="list-style-type: none">MRT Board Registered with a Nuclear Medicine Technologist or Trainee Nuclear Medicine Technologist scope of practice.Eligible for registration by MRT Board and holding a Nuclear Medicine qualification prescribed or approved by MRT Board	<ul style="list-style-type: none">Clinical experience in the field of Nuclear Medicine.

The intent of this position description is to provide a representative summary of the major duties and responsibilities performed in this job classification. Employees may be requested to perform job related tasks other than those specified.