Programme Objectives

The Diploma in Nuclear Medicine programme is designed for doctors aspiring to be a Staff Registrar who has attained the following GENERAL COMPETENCIES:

- Understand the local working environment, referral system and resources available.
- Competency in handling social and ethical issues related to the patient.
- Communication and interpersonal skills.

Programme Director

Dr Wong Wai Yin
Senior Consultant
Department of Nuclear Medicine and PET
Singapore General Hospital

Application procedures

Candidates are required to fill up the following items:

- Application form (available at http://ams.edu.sg/education-training/staff-registrar-scheme-diploma
- Obtain endorsement from their Head of Department and their Human Resource Department.
- Attach the supporting documents (certified as true copies) as indicated in the application form and mail to:
  Academy of Medicine, Singapore
  Education & Training Department
  81 Kim Keat Road
  #11-00 & #12-00, NKF Centre
  Singapore 328836

Fee structure

*Registration fee: $500 (non-refundable one-time payment)
*Course fee: $6,600 per year
*Examination fee: $500 per year

*Prevailing rate of Goods and Services Tax (GST) is not inclusive in the fees and is collected on top of the above fees. All fees are non-refundable upon commencement of training.

Contact details

Contact person: Ms Era Syairah
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Admission Criteria
This programme is open to all medically-trained doctors who possess Temporary registration (Service), Conditional registration or Full registration with the Singapore Medical Council (SMC). However, applicants must also satisfy the following criteria for admission into this programme:

• Currently working in Nuclear Medicine and have completed at least ONE year of clinical work in nuclear medicine in the same local restructured hospital in Singapore;
• Recommended by their Head of Department

Programme Duration
This is a 2-years structured Diploma programme. During the 2 year training period, trainees will be attached to a parent department which must be a Nuclear Medicine/ Diagnostic Radiology department accredited by the JCST for Nuclear Medicine Senior Residency training. Trainees will be rotated through General Nuclear Medicine, PET-CT and Nuclear Cardiology postings, as well as Radionuclide Therapy clinics and wards.

Syllabus
1. Year 1 — Curriculum will focus on nuclear medicine physics, radiation protection principles, interpretation of general nuclear medicine scans eg. Renal studies, skeletal imaging, SPECT studies, nuclear cardiology, management of uncomplicated therapy cases eg. Radiiodine treatment of thyrotoxicosis
2. Year 2 — Curriculum will focus on PET/CT imaging, advanced radionuclide therapy

Training Structure
Training will be provided in three main ways:

• Apprenticeship – learning directly from medical specialists, scientists and others providing a nuclear medicine service.
• Local education – this will include participation in clinical meetings and also more formal education, such as lectures and tutorials in the hospitals of training.
• External education – attending courses, seminars, etc.

Training programs will include instruction in:

• Scientific Principles.
  • The scientific basis of the specialty requires all trainees to receive instruction on relevant basic science, instrumentation, radiation protection, radiopharmacy and radiochemistry.
• Clinical Nuclear Medicine.
  • The trainee will need to be involved with assessing the clinical need for investigations and the choice of the most appropriate investigation; be able to supervise and ensure that it is performed to a high standard and become experienced in interpreting results and issuing reports. He/she should be familiar with data manipulation and image processing. Experience must be gained in radionuclide therapy, including criteria for patient selection and supervision of follow-up after treatment.
• Legal and Regulatory requirements.
  • Regulatory requirements concerning nuclear medicine include the production and administration of radiopharmaceuticals, radiation protection relating to the patient, the general public and hospital staff and requirements for research and patient consent. Trainees will need appropriate instruction in all of these aspects of nuclear medicine.

Assessment Criteria
Regular 6-monthly log-book assessments and appraisal reports by the supervisor will be conducted to ensure the trainee reaches a satisfactory level of competence. The exit examination at the end of Year 2 will comprise of MCQ and a film-viewing session.