

HONG KONG COLLEGE OF RADIOLOGISTS

Higher Training (Nuclear Medicine)

Subspecialty Training in Nuclear Cardiology

[This document should be read in conjunction with the *General Guidelines on Higher Training (Nuclear Medicine)*]

1. Introduction

- 1.1 Nuclear cardiology provides important diagnostic and prognostic information that is an essential part of the knowledge bases required for optimal management of the cardiovascular patient.
- 1.2 This subspecialty training provides the trainee with special expertise to practice nuclear cardiology.

2. Objectives

The aim of the subspecialty training in nuclear cardiology is to ensure a trainee at the end of training period to have:

- 2.1 Detailed understanding of indications for the specific nuclear cardiology test, the safe use of radionuclides, basics of instrumentation and image processing, methods of quality control, image interpretation, integration of risk factors, clinical symptoms and stress testing.
- 2.2 Hand-on supervised experience with an appropriate number of the standard procedures such as myocardial perfusion imaging and radionuclide angiocardiology and as many of the less commonly performed procedures including positron emission tomography.
- 2.3 Ability to manage clinical consultation related to the subspecialty.
- 2.4 Competence in clinical rounds and meetings.

3. Training Requirements

3.1 TRAINING CENTRE REQUIREMENTS

- 3.1.1 Gamma camera with the capability in performing planar dynamic and static studies, SPECT acquisition and ECG gating.
- 3.1.2 Access to stress testing facilities.
- 3.1.3 Well established cardiology department in the hospital.

3.2 TRAINER REQUIREMENTS

Please refer to the General Guidelines on Higher Training.

3.3 DURATION OF TRAINING

Six months of training are desirable.

3.4 DUTY SESSIONS

3.4.1 No less than four sessions per week specific for the subspecialty.

3.4.2 Attachment to another centre on sessional basis is advisable if exposure to specific examination categories is inadequate or unavailable.

3.5 MINIMUM NUMBER OF EXAMINATIONS REQUIRED

The minimum workload of a trainee for 6 month of higher subspecialty training in nuclear cardiology is 400. A suggested minimum number for each examination category is as follows:

<i>Examination Category</i>	<i>Requirement</i>
Radionuclide angiocardiology	50
Exercise myocardial perfusion imaging	100
Pharmacological myocardial perfusion imaging	100
Myocardial viability imaging	
PET	

3.6 CLINICAL MEETINGS

Please refer to the General Guidelines on Higher Training.

3.7 PRESENTATIONS AND PUBLICATIONS

Please refer to the General Guidelines on Higher Training.