

HONG KONG COLLEGE OF RADIOLOGISTS

Higher Training (Nuclear Medicine)

Subspecialty Training in Clinical Positron Emission Tomography / Computed Tomography

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

1. Introduction

- 1.1 Positron Emission Tomography is a major functional imaging tool applicable in oncology, cardiology, neurology and infection. CT scan can provide fast attenuation correction and anatomical details.
- 1.2 This subspecialty training provides the trainee with special expertise to practice clinical PET or PET/CT.

2. Objectives

The aim of the subspecialty training in PET/CT is to ensure a trainee at the end of training period to have:

- 2.1 Detailed understanding of indications for the clinical PET or PET/CT examination, the production and safe use of PET tracers, basics of instrumentation and data processing, methods of quality control and image interpretation.
- 2.2 To understand the principle and basic skills of helical / spiral and multi-detector CT and CT anatomy in various parts of the body.
- 2.3 To have knowledge of related radiation risk and protection, and to minimize or optimize the radiation dose in PET/CT scanning.
- 2.4 To prescribe, perform and interpret PET/CT studies using state-of-art equipment and technique, including optimal utilization of IV contrast.
- 2.5 Hand-on supervised experience with an appropriate number of the procedures.
- 2.6 Ability to manage clinical consultation related to the subspecialty.
- 2.7 Competence in clinical rounds and meetings.

3. Training Requirements

3.1 TRAINING CENTRE REQUIREMENTS

3.1.1 Modern PET or PET/CT scanner.

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 IN 6 MONTHS

<i>Examination Category</i>	<i>Requirement</i>
PET or PET/CT: Oncology Cardiology Neurology Infection and Inflammation	400

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.