

## PREAMBLE

Nuclear Medicine is a specialised area in medical field that uses very small amounts of radioactive materials or radiopharmaceutical, to examine organ function and structure. The images are developed materials based on detection of energy emitted from radioactive substances given to the patients either intravenously, orally, by inhalation or by instillation. Generally, radiation to the patient is similar to that resulting from standard X-ray examination. In this regards, a person who operate the nuclear medicine system must be properly train in specific procedure of nuclear medicine. This programme is designed for participant to gain knowledge on radiation protection for better radiation safety practice in nuclear medicine. This course enable participant to improve their capability in nuclear medicine aspect including the equipment operational procedure safety measure. It covers application of basic nuclear medicine procedure based on national requirement, standards and practice.

MXR  
1032  
days

30 September – 01 October | KL/Bangi

# Awareness Course on Radiation Protection in Nuclear Medicine

## *Kursus Kesedaran Perlindungan Sinaran dalam Perubatan Nuklear*

### COURSE OBJECTIVES

- ❖ To introduce the philosophy and principle of radiation protection in nuclear medicine
- ❖ Creating awareness on radiation hazards, biological effects and risk of ionising radiation on nuclear medicine
- ❖ To enhance knowledge skill in a way that can be applied to the practice of nuclear medicine
- ❖ To widen the view regarding the safety of personnel when practicing nuclear medicine

### METHODOLOGY

- ❖ Participative lectures
- ❖ Group discussion

### CONTENTS

- ❖ Basic Principle of Nuclear Medicine: Radiation and Radioactivity
- ❖ Biological Effect of Ionising Radiation
- ❖ Radiation Safety Awareness in Nuclear Medicine
- ❖ Radiological Monitoring: Patient and Surrounding
- ❖ Clinical Procedure / Protocol Update
- ❖ Legislative Requirement Act 304
- ❖ Quality Assurance Programme (QAP)

### WHO SHOULD ATTEND

Technologist, Medical Doctor, Radiographer, Nurse and whoever involve in Nuclear Medicine



Fees / pax	Normal Price	After IPTN discount
Single Registration	RM850	RM805
Team Registration (2 or more)	RM810	RM765