

Hong Kong Institution of Physicists in Medicine
Certificate Course on Basic principles of Brachytherapy physics

Course Content

Historical review of Radium
Radium substitutes: (Cs-137, Co-60, Ir-192, Au-198, I-125, Pd-103)
Radiation measurement of brachytherapy sources
Specification of Source Strength
Use of Radionuclides dose calibrator for brachytherapy source
Brachytherapy dosimetry including TG-43 formalism
Calibration of high dose rate (“HDR”) and manual implant sources
Implant Dosimetry and techniques
The Paterson-Parker System
The Paris System
The Manchester System
Localization of Sources (Orthogonal Imaging Method and Stereo-shift Method)
Surface Molds
Interstitial Therapy
Intracavitary Therapy (Uterine Cervix and Uterine Corpus)
The ICRU report 38 (Absorbed Dose at Reference Points Bladder and Rectum)
High-dose Rate versus Low-dose Rate

Date, Time and Venue:

The course will be held on:

Date	Time
10 Aug 2013 (Lecture)	2:00pm-6:00pm
17 Aug 2013 (Lecture)	2:00pm-6:00pm
24 Aug 2013 (Lecture)	2:00pm-6:00pm

Duration of course:

12 hours in lecture

Venue:

Room 1102, 11/F Li Shu Pui Block,
Nursing School, Hong Kong Sanatorium & Hospital

Speaker

P M Wu, Ph.D., CertMedPhy,
Senior Medical Physicist, Medical Physics & Research Department
Hong Kong Sanatorium & Hospital

Target participants:

Physicists, doctors, radiographers, radiation therapist, biomedical engineers. Preference will be given to applicants who are currently working with radiological equipment in hospital environment.

Assessment:

A written examination will be held at the end of the course.

Accreditation:

This course has been approved by the Hong Kong Institution of Physicists in Medicine

CME accreditation by College of Radiologists (pending for approval)

CPD accreditation by Hong Kong Radiographer's Board (pending for approval)

CMD accreditation by Medical Dosimetrist Certification Board (Units granted: 12.

Course number: MDCB20130507)

Course Award:

A certificate of completion of the course "Basic principles of Brachytherapy physics" will be issued to the applicants who had passed the examination with at least 80% attendance of the lecture hours.

An attendance certificate will be issued if a student has at least 80% attendance of the lecture hours but fails the examination.

Teaching Medium

The course will be conducted in English, and the written examination will be in English.

Tuition Fee*:

HKD \$450 (HKIPM member)

HKD \$900 (member of HKART and HKRA)

HKD \$3000 (NON-HKIPM member)

* A 50% discount will be given to HKIPM members from the hospital that provide venue for training.

Enrollment:

Completed registration form shall be sent with a cheque for the tuition fee to Ms. Ruby Ho, Secretary of the Hong Kong Institution of Physicists in Medicine at the address give below. The cheque should be crossed and made payable to "Hong Kong Institution of Physicists in Medicine". (Full payment must be made and no refund for withdrawal will be entertained due to any circumstances).

Ms. Ruby Ho

Medical Physics & Research Department

8/F, Li Shu Fan Block

Hong Kong Sanatorium & Hospital

2 Village Road, Happy Valley

Hong Kong Island.

Closing Date for Application:

Saturday, 3-Aug-2013