



**Hong Kong Institution of Physicists in Medicine**  
**香港醫學物理學院**

**Certificate Course on Brachytherapy Physics**

**Course Content**

Preliminary on Atomic and Nuclear Physics, Radioactivity  
Sealed and Unsealed Sources  
Radiation Therapy and Brachytherapy  
Low Dose Rate and High Dose Rate Brachytherapy  
Brachytherapy Sources and Management  
Brachytherapy Dose Algorithm  
Classical Dosimetric Systems  
Brachytherapy Treatment Planning  
Clinical Applications of Brachytherapy  
Image-Guided Brachytherapy, 3D versus 2D  
Dose Schemes in Radiotherapy  
Commissioning and Quality Assurance of Brachytherapy System  
Contingency in Brachytherapy  
Safety and Good Practices  
Research and Development  
Course Wrap Up

**Date, Time and Venue:**

**The course will be held on:**

Date	Time	Venue
20 October 2018	2:00 pm - 4:00 pm	Conference Room 801, 8/F, Li Shu Fan Block, HKSH
27 October 2018	2:00 pm - 4:00 pm	Conference Room 801, 8/F, Li Shu Fan Block, HKSH
10 November 2018	2:00 pm - 4:00 pm	Lecture Room 7B, 7/F, Li Shu Pui Block, HKSH

**Duration of Course:**

6 hours lectures, Q&A and examination

**Venue:**

Lecture Room 7B, 7/F, Li Shu Pui Block, Hong Kong Sanatorium & Hospital, Happy Valley, Hong Kong

**Speaker**

Dennis Ngar Yuen Kan, Ph.D., CertMedPhy,  
Senior Physicist, Medical Physics Unit,  
Tuen Mun 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 (MCQ) examination will be held at the end of the course.

**Accreditation:**

6 CPD credits by Hong Kong Institution of Physicists in Medicine

**Course Award:**

A certificate of completion of the course "Brachytherapy Physics" will be issued to a participant who has passed the examination.  
An attendance certificate will be issued to a participant who has failed the examination.

**Teaching Medium**

The course will be conducted in English

**Tuition Fee\*:**

HKD 240

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

**Enrollment:**

This course is open to HKIPM members only.

Completed registration form shall be sent with a cheque for the tuition fee to Mr. Hui Geng, Member of Education Committee of the Hong Kong Institution of Physicist in Medicine. The cheque should be crossed and made payable to "Hong Kong Institution of Physicists in Medicine". Full payment should be made at registration and no refund for withdrawal will be entertained due to any circumstances.

Mr. Hui Geng  
Medical Physics & Research Department  
8/F, Li Shu Fan Block  
Hong Kong Sanatorium & Hospital  
2 Village Road  
Happy Valley

**Closing Date for Application:**  
Friday, 12 October 2018