



PHYSICS COURSE

August 4 - 8, 2014

Venue: Radiation Oncology Department
Shaukat Khanum Cancer Hospital, Lahore

SKMCH & RC is pleased to announce the 1st physics course for FCPS & FRCR exam. This course is for any radiation doctor to brush up the physics.

A registration form needs to be deposited for attending the course. Confirmation of acceptance will be made on the submission of registration form.

Course Organizers:

Mr. Muhammad Abdur Rafaye

Dr. Tabinda Sadaf

Last Date for Registration: 20th July 2014

Registration is on a first-come first-serve basis

For Registration please contact:

Human Resources Department

Medical Education Section

SKMCH & RC, Johar Town

Lahore Pakistan

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Programme Information: www.shaukatkhanum.org.pk



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Programme:

Day 1:

1. Introduction, X-rays production, Radiation Interactions
2. Radiotherapy machines
3. Measurement of Ionizing Radiation, Dosimetry Protocols
4. Dosimetric Quantities

Day 2:

1. Basic Concepts of treatment planning & ICRU Reports
2. 2D, 3D-CRT, IMRT, IGRT
3. Electron Beam Therapy
4. Particle Beam

Day 3:

1. Radioisotopes, Introduction to Brachytherapy
2. Brachytherapy Planning and System of Dosimetric Implants
3. Radiation Protection
4. Quality Assurance

Day 4:

1. Practical Demonstration – I (Linear Accelerators, CT-Sim, Sim, Dosimetry Equipment)
2. Practical Demonstration – II (Treatment Planning)
3. Selected Questions and Past Papers

Day 5:

1. Interactive Session
2. Course Evaluation (TEST)
3. Closing