Diagnostic Radiology

In recent years, there has been significant advancement in radiological sciences, especially due to continuous development of new imaging modalities and interventional radiology. The use of recent advances has considerably improved the patient care. Radiology department of AKUH, Karachi has kept pace with this rapid development and offers complete diagnostic and interventional services. The radiologist working in AKU excels in research, education, administration besides being excellent clinicians. The residency programme in Diagnostic Radiology at AKUH has been structured keeping in view the specific requirements for Pakistan, in addition meeting the international training standards.

Objectives

The objectives of the radiology residency programme are to provide quality education and training, so that the students internalize the habit of life-long learning. Residents should be able to function effectively at any place in the world, even with limited available resources. At the completion of residency training, the residents are expected to pass the exit examination conducted by The College of Physicians and Surgeons, Pakistan. The programme intends to produce academic professionals capable of providing leadership in the field of radiology, promoting change through scientific inquiry and the highest professional standards.

Duration of training

The programme is of five years duration.

Eligibility

- MBBS or equivalent degree approved by the PM&DC
- One year internship with six months in Medicine and allied and six months in Surgery and allied disciplines
- FCPS Part I in Diagnostic Radiology

Further information can be obtained from the Chairman of the Department or the Director of Residency Training.

Scope and content

Clinical training
Emphasis of the programme is on interactive learning. Residents will rotate through all sub-specialties of Radiology. They will gradually be given increasing responsibilities and independence in performing and reporting examinations. All procedures and reporting will be supervised by the faculty. In addition, residents will acquire formal education in basic radiological physics, film quality and radiation protection from a physicist. Residents will also receive instructions in radiographic positioning and techniques.

Didactic content
Although most of the teaching will be practical, on the film reporting and performing procedures, a number of didactic lectures on selected topics by the faculty are also provided. Active resident participation is required in seminars, presentations on selected topics, journal clubs, and in multidisciplinary meetings and film viewing sessions. Residents are also encouraged to write research articles and case reports. For teaching purposes, a broad-based computer aided Radiology Learning File is available in the Department. In addition, an active ACR coding based indigenous Radiology Teaching File (of films) is available, which is continuously updated.

A comprehensive process of evaluation and assessment along with feedback mechanism is in place.

Research and academic opportunities

Radiology training programme offers unique opportunities in the field of research. Residents are provided opportunities for conducting scientific research under supervision of faculty.
On-call duties

Emergency in house calls are part of the training programme. Call system during residency grooms the residents to become responsible in patient care. Adequate supervision of faculty and senior residents help the juniors to flourish with confidence.

Administrative set-up

The Head of the Department is Programme Chairman and a senior member of the faculty is the Programme Director, who is responsible for conducting the program in collaboration with the residency coordinator. Presently, the Programme Director is Dr Naila Nadeem, and the Programme Coordinator is Dr. Basit Salam.

Interim Chairman
Dr. Muhammad Nadeem Ahmad
Chief Operating Officer & Associate Professor
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Assistant Professors
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Dr. Fatima Mubarak  
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Dr. Raza Sayani  
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MBBS, FCPS

Sr. Instructor (Medical Physicist)  
Mr. Syed Mansoor Naqvi  
B.Sc. Honors, M.S.C. Physics

Senior Instructors/Instructors  
Dr. Kiran Hilal (Senior Instructor)  
MBBS, FCPS

Dr. Madiha Beg (Senior Instructor Research)  
M.B.B.S., MSc Epidemiology & Biostatistics

Dr. Sarah Yousuf (Instructor)  
MBBS, FCPS

Non Full Time Faculty  
Dr. Riffat J.P. Hussain  
MBBS, MS(Nuclear Med)

Dr. Kamran Kamal  
M.B.B.S. (AKU), Diplomate, American Board of Radiology

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