

Planning and Quality Assurance Affairs

Form (A)

Course Specifications

General Information

Course name	Medical Imaging (0604103)
Course number	MEDI4246
Faculty	
Department	
Course type	Major Needs
Course level	4
Credit hours (theoretical)	2
Credit hours (practical)	0
Course Prerequisites	

Course Objectives

- 1 - 1-Introduce the medical students to various imaging modalities used in diagnosis
- 2 - 2-Familiarize the medical students with various diagnostic procedures done in radiology department
- 3 - 3-Teaching the medical students the basic radiological signs of diseases of various body systems
- 4 - 4-Teach the medical students how to read x-ray and other radiological images
- 5 - 5-Teach the medical students how to order the appropriate radiological examinations

Intended Learning Outcomes

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| Knowledge and Understanding | <ul style="list-style-type: none"> * At the end of this course the medical student should know: * 1-The basic principles of various imaging modalities * 2-The various radiological examinations done in radiology department * 3-How to order the proper examination in various diseases of body systems * 4-How to read and interpretate the various types of diagnostic images * 5-How to reach the diagnosis of various disease by diagnostic images |
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Course Contents

- 1 - The content of this course include the followings:
- 2 - 1-The imaging modalities used in diagnostic imaging department
- 3 - 2-Hazards of x-rays and contrast media
- 4 - 3-Interventional radiology procedures
- 5 - 4-Imaging of Respiratory system
- 6 - 5-Imaging of cardiovascular system
- 7 - 6-Radiology of acute abdomen
- 8 - 7-Imaging of G.I.T, Liver and Pancreas
- 9 - 8-Imaging of urogenital system
- 10 - 9-Imaging of musculoskeletal system
- 11 - 10-Imaging of central nervous system
- 12 - 11-Imaging of paediatric patient

Teaching and Learning Methods

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| <ul style="list-style-type: none">1 - 1-Formal lectures2 - 2-Discussion of x-rays and other imagings3 - 3-Discussion clinical cases and their diagnosis by medical imaging4 - 4-Seminars on radiology5 - Same as above6 - 1-MCQ exam7 - 2-Projected materials including interpretation of images8 - Lecture notes in radiology |
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Knowledge and Skills Matrix

Main Course Contents	Study Week	Knowledge and Understanding	Intellectual Skills	Professional Skills	General Skill
1-Imaging modalities 2-Imaging of respiratory,CVS,GIT,GU,Musculoskeletal,CNS and paediatric patient	The course is taught as one hour each week for one whole year(Two semesters)	Teaching and learning the basic radiology for medical students	1-Experience in interpretations of radiological images 2-Skill of proper ordering of radiological examinations	Same as above	As above