

Course Specification Card for Radiological anatomy (elective course)

College	College of Medicine	Department	Medical Education		
Course Name (English)	Radiological anatomy	Course Name (Arabic)	التشريح الإشعاعي		
Course Number	15606, 15616	Course Code	1000308		
Credit Hrs.	1 credit hour	Contact Hrs.	Theoretical	Practical	T
Teaching Language	<input type="checkbox"/> Arabic English <input checked="" type="checkbox"/>		11	4	19
Teaching Method	<input checked="" type="checkbox"/> Face-to-Face		<input type="checkbox"/> Online		<input type="checkbox"/> Blended
Course Nature	<input type="checkbox"/> Compulsory		<input checked="" type="checkbox"/> Elective		
Course Type	<input type="checkbox"/> University Requirement		<input checked="" type="checkbox"/> College Requirement		<input type="checkbox"/> Program Requirement
Level	Year 3	Pre-Requisite(s)	No prerequisite		

Course Description

This course enable the students to identify the normal appearance of different human structures and tissues in different radiographic modalities.

They will be able to read Plain X-radiographs of different body regions (thorax, abdomen & pelvis, limbs, spine and H&E) and radiographs with dyes e.g. IVP, GIT barium radiographs, Broncho-graphs, arteriograms and angiograms. Also they can interpret CT and MRI scans of different body regions (thorax, abdomen & pelvis, limbs, spine and H&E) and identify radiographic abnormalities based on their knowledge of anatomy and normal radiological anatomy.

<u>Topics</u>	<u>Learning Outcomes</u>						
Introduction to Radiological anatomy course.	Define radiation and different radiological modalities used in medical practice. List main anatomical structures (bones, muscles, vessels, nerves, organs) in different body regions (UL, LL, Thorax, Abdomen, H&N).						
Radiological anatomy of the Chest	Describe normal appearance of anatomical structures of different body regions in different radiological modalities .						
Radiological anatomy of the abdomen	Recognize normal anatomical structures in different radiological modalities photographs. Interpret photos of different radiological modalities and Explain the appearance of anatomical structures in different radiological modalities .						
Radiological anatomy of Upper limb	Compare and differentiate between different radiological modalities.						
Radiological anatomy of Lower limb	Summarize the pros and cons of different radiological modalities and their use in clinical practice. Examine and demonstrate anatomical structures in cadavers (bones, muscles, tendons, arteries, veins, nerves, organs etc.). Examine and interpret photos of different radiological modalities.						
	Prepare and present assignments, in front of his peers according to the criteria of proper presentation and be a good presenter. Demonstrate professional conduct in all teaching and learning activities e.g. lectures and Labs. Demonstrate skills of searching for information, organizing information, criticizing the acquired knowledge.						
Assessment Tools	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;"><input type="checkbox"/> Periodic assessment</td> <td style="width: 25%; text-align: center;">10%</td> <td style="width: 25%;"><input type="checkbox"/> OSPE</td> <td style="width: 25%; text-align: center;">20%</td> <td style="width: 25%;"><input type="checkbox"/> Final Exam</td> <td style="width: 25%; text-align: center;">50%</td> </tr> </table>	<input type="checkbox"/> Periodic assessment	10%	<input type="checkbox"/> OSPE	20%	<input type="checkbox"/> Final Exam	50%
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	<input type="checkbox"/> Individual Assignments	%	<input type="checkbox"/> Practical Assignments	20%	<input type="checkbox"/> TG Assessment	0%
Main Reference	1. Lectures PPT prepared for the course. 2. Practical material (Lab manual) and PPT. 3. Applied Radiological Anatomy for Medical Students – Edited by: Paul Butler, Adam W. M .Mitchell and Harold Ellis. Cambridge: Cambridge University Press. ISBN: 978052181398. 2008					
Essential References Materials	Manuals: Practical manual (assignments).					
Supporting References	Anatomy in Diagnostic Imaging - Edited by: Stephanie Ryan FRCSI FFR) RCSI, Michelle Mc Nicholas MRCPI FRR (RCSI) FRCR Stephen J Eustace MB MSc) Rad Sci (MRCPI FRR (RCSI) FRCR FFSEM					