

4.0	Communication & numerical							
4.1	Communicate effectively in both Arabic and English languages with health care team, patients and their families.							
4.2	Operate effectively the different informational resources including the library resources and websites in addition to extracting information and data in medical imaging procedures.	I	I	I	I	I	I	
5.0	Psychomotor							
5.1	Perform accurately and safely the procedures and protocols in different modalities to produce high image quality.	I		P				
5.2	Manipulate the patient effectively applying patient care and protection for medical imaging procedures.			P			P	

NQF Learning Domains and Learning Outcomes		Level 5					
		312 RAD -3	313 RAD -2	222 RAD -3	331 RAD -3	341 RAD -2	324 RAD-3
1.0	Knowledge						
1.1	Describe the essential concepts of physics including radiation production, interaction of radiation with matter, their biological effects and radiation protection.	P	I	P			
1.2	Recognize the appearance of human anatomy, physiology and pathology on different radiological and medical images.			P		I	P
1.3	Describe the principles of radiographic imaging equipment and techniques.	P		P	P		P
1.4	State the methods of patient preparation and patient care for different imaging modalities.						P
2.0	Cognitive						
2.1	Differentiate between the normal and abnormal appearance of medical images.				P	I	P
2.2	Explain the essential sciences concepts necessary for applications of different medical imaging procedures.	P	I	P			P
2.3	Estimate the procedures and protocols Appropriate to different medical indications and contraindications.						P
2.4	Compare between the different medical imaging equipment, their functions, operation and quality control.	P		P	P		P

3.0	Interpersonal skill						
3.1	Demonstrate ethical and legal manners during performance.						
3.2	Show a teamwork spirits.	I	I	I	I	I	I
4.0	Communication & numerical						
4.1	Communicate effectively in both Arabic and English languages with health care team, patients and their families.						
4.2	Operate effectively the different informational resources including the library resources and websites in addition to extracting information and data in medical imaging procedures.	I	I	I	I	I	I
5.0	Psychomotor						
5.1	Perform accurately and safely the procedures and protocols in different modalities to produce high image quality.	P		P	P		P
5.2	Manipulate the patient effectively applying patient care and protection for medical imaging procedures.		I		P		P

NQF Learning Domains and Learning Outcomes		Level 6							
		304 RAD-2	314 RAD-2	325 RAD-3	326 RAD-2	328 RAD-3	332 RAD -3	351 RAD -2	329 RAD -2
1.0	Knowledge								
1.1	Describe the essential concepts of physics including radiation production, interaction of radiation with matter, their biological effects and radiation protection.		P					P	P
1.2	Recognize the appearance of human anatomy, physiology and pathology on different radiological and medical images.	P		P	P	P			P
1.3	Describe the principles of radiographic imaging equipment and techniques.		P	P	P	P	P	P	P
1.4	State the methods of patient preparation and patient care for different imaging modalities.			P	P	P			
2.0	Cognitive								
2.1	Differentiate between the normal and abnormal appearance of medical images.	P		P	P	P	P		

2.2	Explain the essential sciences concepts necessary for applications of different medical imaging procedures.					P			P
2.3	Estimate the procedures and protocols Appropriate to different medical indications and contraindications.			P	P	P			
2.4	Compare between the different medical imaging equipment, their functions, operation and quality control.		P			P	P		
3.0	Interpersonal skill								
3.1	Demonstrate ethical and legal manners during performance.						I		
3.2	Show a teamwork spirits.	I	I	I	I	I	I	I	I
4.0	Communication & numerical								
4.1	Communicate effectively in both Arabic and English languages with health care team, patients and their families.								
4.2	Operate effectively the different informational resources including the library resources and websites in addition to extracting information and data in medical imaging procedures.	I	I	I	I	I	I	I	I
5.0	Psychomotor								
5.1	Perform accurately and safely the procedures and protocols in different modalities to produce high image quality.			P	P	P	P		P
5.2	Manipulate the patient effectively applying patient care and protection for medical imaging procedures.			P	P	P	P		

NQF Learning Domains and Learning Outcomes		Level 7						
		427 RAD -3	433 RAD-2	434 RAD -2	452 RAD -3	442 RAD -2	443 RAD -2	444 RAD -2
1.0	Knowledge							
1.1	Describe the essential concepts of physics including radiation production, interaction of radiation with matter, their biological effects and radiation protection.	I	P	A	A			
1.2	Recognize the appearance of human anatomy, physiology and pathology on different radiological and medical images.	I	P	A			P	P
1.3	Describe the principles of radiographic imaging equipment and techniques.	P	P	A	A	P	P	
1.4	State the methods of patient preparation and patient care for different imaging modalities.	P	P	A			P	
2.0	Cognitive							
2.1	Differentiate between the normal and abnormal appearance of medical images.	P	P	A			P	P
2.2	Explain the essential sciences concepts necessary for applications of different medical imaging procedures.	P	P	A				
2.3	Estimate the procedures and protocols Appropriate to different medical indications and contraindications.	P	P	A		P	P	
2.4	Compare between the different medical imaging equipment, their functions, operation and quality control.	P			A		P	
3.0	Interpersonal skill							
3.1	Demonstrate ethical and legal manners during performance.							
3.2	Show a teamwork spirits.	I	I	I	I	I	I	I
4.0	Communication & numerical							
4.1	Communicate effectively in both Arabic and English languages with health care team, patients and their families.							
4.2	Operate effectively the different informational resources including the library resources and websites in addition to	I	I	I	I	I	I	I

	extracting information and data in medical imaging procedures.							
5.0	Psychomotor							
5.1	Perform accurately and safely the procedures and protocols in different modalities to produce high image quality.	P	P	P				
5.2	Manipulate the patient effectively applying patient care and protection for medical imaging procedures.	P	P	P				

NQF Learning Domains and Learning Outcomes		Level 8						
		113 ISL -2	202 ARB - 2	435 RAD- 2	436 RAD- 2	445 RAD- 3	446 RAD- 2	461 RAD- 2
1.0	Knowledge							
1.1	Describe the essential concepts of physics including radiation production, interaction of radiation with matter, their biological effects and radiation protection.							
1.2	Recognize the appearance of human anatomy, physiology and pathology on different radiological and medical images.							
1.3	Describe the principles of radiographic imaging equipment and techniques.			A	A	A		
1.4	State the methods of patient preparation and patient care for different imaging modalities.					A	P	
2.0	Cognitive							
2.1	Differentiate between the normal and abnormal appearance of medical images.			A	A			
2.2	Explain the essential sciences concepts necessary for applications of different medical imaging procedures.					A		
2.3	Estimate the procedures and protocols Appropriate to different medical indications and contraindications.			A		A		
2.4	Compare between the different medical imaging equipment, their functions, operation and quality control.			A	A			
3.0	Interpersonal skill							
3.1	Demonstrate ethical and legal manners during performance.	I						
3.2	Show a teamwork spirits.			I	I	I	I	I

4.0	Communication & numerical							
4.1	Communicate effectively in both Arabic and English languages with health care team, patients and their families.		I					
4.2	Operate effectively the different informational resources including the library resources and websites in addition to extracting information and data in medical imaging procedures.			I	I	I	I	A
5.0	Psychomotor							
5.1	Perform accurately and safely the procedures and protocols in different modalities to produce high image quality.			A	A	A		
5.2	Manipulate the patient effectively applying patient care and protection for medical imaging procedures.			A	A	A		

NQF Learning Domains and Learning Outcomes		Level 9				
		114 ISL-2	538 RAD -2	547 RAD -3	548 RAD -2	562 RAD -2
1.0	Knowledge					
1.1	Describe the essential concepts of physics including radiation production, interaction of radiation with matter, their biological effects and radiation protection.			I		
1.2	Recognize the appearance of human anatomy, physiology and pathology on different radiological and medical images.				P	
1.3	Describe the principles of radiographic imaging equipment and techniques.		A			
1.4	State the methods of patient preparation and patient care for different imaging modalities.					
2.0	Cognitive					
2.1	Differentiate between the normal and abnormal appearance of medical images.		A		P	
2.2	Explain the essential sciences concepts necessary for applications of different medical imaging procedures.					
2.3	Estimate the procedures and protocols Appropriate to different medical indications and contraindications.					

2.4	Compare between the different medical imaging equipment, their functions, operation and quality control.		A			
3.0	Interpersonal skill					
3.1	Demonstrate ethical and legal manners during performance.	I	I			
3.2	Show a teamwork spirits.		I	I	I	A
4.0	Communication & numerical					
4.1	Communicate effectively in both Arabic and English languages with health care team, patients and their families.					A
4.2	Operate effectively the different informational resources including the library resources and websites in addition to extracting information and data in medical imaging procedures.		I	I	I	A
5.0	Psychomotor					
5.1	Perform accurately and safely the procedures and protocols in different modalities to produce high image quality.		A			
5.2	Manipulate the patient effectively applying patient care and protection for medical imaging procedures.		A			