



Assiut University
Faculty of Medicine



Faculty of Medicine
Quality Assurance Unit

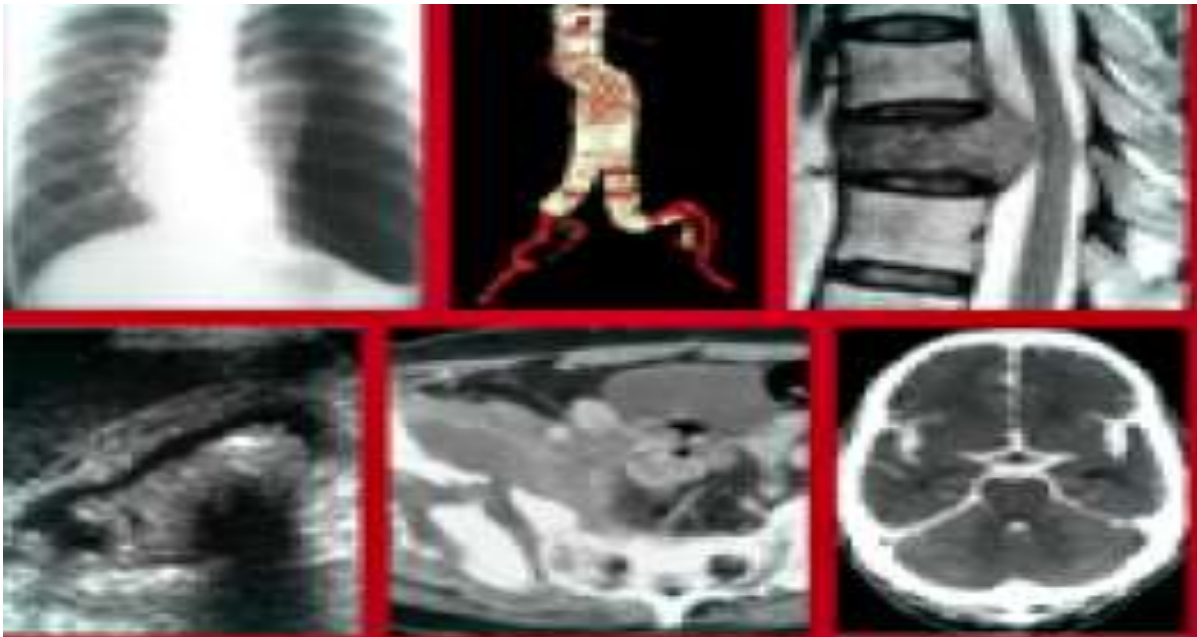
Radiology log book for MD degree of radiology

"كراسة الأنشطة"

اللازمة لحصول المتدرب على درجة الدكتوراة فى الأشعة التشخيصية

طبقا للائحة النقاط المعتمدة

2022 – 2023





Assiut University
Faculty of Medicine



Faculty of Medicine
Quality Assurance Unit

بيانات شخصية عن المتدرب



تاريخ التسجيل لدرجة ألدكتوراة



**Assiut University
Faculty of Medicine**



**Faculty of Medicine
Quality Assurance Unit**

First Part

- 1- Course 1 Medical statistics**
- 2- Course 2 Research methodology**
- 3- Course 3 Medicolegal Aspects and Ethics in Medical Practice and Scientific Research**
- 4- Course 4 Nuclear medicine**
- 5- Course 5 Recent Advance in different medical imaging techniques and its applications**



**Assiut University
Faculty of Medicine**



**Faculty of Medicine
Quality Assurance Unit**

Medical statistics & Research methodology



Medical statistics

Requirements

- ◆ Credit points: 1 credit point
- ◆ Minimal rate of attendance 80%

Name of the course	Credit points	Responsible department	Attendance	Practical	Percentage of Achieved points
Medical statistics	1 credit point	Pubic Health & Community Medicine			100%
	0.1		Introduction 1 hour	SPSS Introduction 2H	10%
	0.1		Tables and graphics 1 Hour	Data entry and cleaning of data 2H	10%
	0.1		Sampling 1 Hour	Transforming of variables 2H	10%
	0.1		Methodology of data collection 1 Hour	Descriptive statistics 2 H	10%
	0.1		Type of variables 1 Hour	Graphic presentation 2 H	10%
	0.1		Proportion test Chi-square test 1 Hour	Chi square and interpretation of results 2 H	10%
	0.1		Student T test Paired T test 1 Hour	Student, Paired and ANOVA tests 2H	10%
	0.1		ANOVA test 1 Hour	Correlation Regression 2 Hour	10%
	0.1		Non parametric tests 1 Hour	Multiple and logistic Regression 2 H	10%
	0.1		Discrimination analysis factor analysis 1 Hour	Non parametric tests 2 H	10%
			Revision 1 H	Revision 2H	
Student signature			Principle coordinator signature		Head of the department signature



Research Methodology

Requirements

- Credit points: 1 credit point
- Minimal rate of attendance 80%

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Research Methodology	1 credit point	Pubic Health & Community Medicine		100%
	0.15		4 hours Introduction & proposal writing	15%
	0.15		4 hours Epidemiological study designs	15%
	0.15		4 hours Screening & theoretical background	15%
	0.24		6 hours Screening practical	24%
	0.15		4 hours Sample size calculation	15%
	0.08		2 hours Research bias	8%
	0.08		2 hours Ethics in research	8%
	-		2 hours Revision	-
Student signature			Principle coordinator signature	Head of the department signature



Assiut University
Faculty of Medicine



Faculty of Medicine
Quality Assurance Unit

Medicolegal Aspects and Ethics in Medical Practice and Scientific Research

Diagnostic Radiology (1st part)

Requirements

- Credit points: 1 credit point
- Minimal rate of attendance 80%



Assiut University
Faculty of Medicine



Faculty of Medicine
Quality Assurance Unit

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Medicolegal Aspects and Ethics in Medical Practice and Scientific Research	1 credit point	Forensic Medicine and Clinical Toxicology	10 hours	100%
	0.2		2 hours	20%
	0.2		Medical reports in trauma.	20%
	0.4		Ethics in research.	40%
	0.2		Wounds Firearm injuries	20%
Student signature			2 hours Medical ethics in practice	20%
			Principle coordinator signature	Head of the department signature



Assiut University
Faculty of Medicine



Faculty of Medicine
Quality Assurance Unit

Course 4 Nuclear Medicine

Requirements

- Credit points: 3 credit points.
- -Attendance of at least 80 % of lectures

Lectures schedule and ILOs

-Nuclear medicine instrumentation.

- Hybrid imaging (PET/CT, SPECT/CT) .
- PET MRI.

-Diagnostic nuclear medicine.

- Cardiac.
- Tumor imaging.

-Therapeutic nuclear medicine:

- Liver catheter.



Assiut University
Faculty of Medicine



Faculty of Medicine
Quality Assurance Unit

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Nuclear medicine	3 CP	Department of oncology and nuclear medicine	Attendance of 30 hours Or active participation 15 hour	100%
Nuclear medicine	1 CP		Attendance of 10 hours -Nuclear medicine instrumentation. <ul style="list-style-type: none"> Hybrid imaging (PET/CT, SPECT/CT) . PET MRI. 	33.4%
	1 CP		Attendance of 10 hours -Diagnostic nuclear medicine: <ul style="list-style-type: none"> Cardiac. Tumor imaging. 	33.3%
	1 CP		Attendance of 10 hours -Therapeutic nuclear medicine: <ul style="list-style-type: none"> Liver catheter. 	33.3%
Student signature			Principle coordinator Signature	Head of the department signature



Course 5: Recent Advance in different medical imaging techniques and its applications

Requirements

- **Credit points: 4 credit points.**
- **-Attendance of at least 80 % of lectures**

Lectures schedule and ILOs

-Functional MRI.

- Diffusion MRI.
- Perfusion MRI.
- MR Spectroscopy.
- MR Tractography.

-Dynamic contrast enhanced MRI.

-MSCT angiography (aortic, coronary and peripheral angiography).

-Whole body MSCT Perfusion.

-Elastography (US & MRI).

-Contrast enhanced US.



Assiut University
Faculty of Medicine



Faculty of Medicine
Quality Assurance Unit

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points	
Recent Advance in different medical imaging techniques and its applications	4 CP	Department of Diagnostic radiology	Attendance of 40 hours Or active participation 20 hour	100%	
	0.5 CP		Attendance of 5 hours Diffusion MRI.	12.5%	
	0.4 CP		Attendance of 4 hours Perfusion MRI.	10%	
	0.5 CP		Attendance of 5 hours MR Spectroscopy.	12.5%	
	0.4 CP		Attendance of 4 hours MR Tractography.	10%	
	0.4 CP		Attendance of 4 hours Dynamic contrast enhanced MRI.	10%	
	0.5 CP		Attendance of 5 hours MSCT angiography.	12.5%	
	0.4 CP		Attendance of 4 hours Whole body MSCT Perfusion.	10%	
	0.5 CP		Attendance of 5 hours Elastography (US & MRI).	12.5%	
	0.4 CP		Attendance of 4 hours Contrast enhanced US.	10%	
	Student signature			Principle coordinator signature	Head of the department signature



Second part (course 6) Radio-diagnosis

Requirements

- **Credit points:** 24 credit point for didactic (lectures, seminars, tutorial, conference etc) and 123 point for training (23 credit point for year 1 and 100 credit point during year 2 and 3, 4).
 - Minimal rate of attendance 80% of training and didactic
 - Attendance of at least 80% of seminar.
 - Practice with clinical cases for at least two years in the department including interpretation of their different radiologic patterns

This course consist of:

1. **Unit (Module) 1 Genitourinary tract.**
2. **Unit (Module) 2 MSK system**
3. **Unit (Module) 3 Chest and cardio-vascular system**
4. **Unit (Module) 4 Gastrointestinal tract**
5. **Unit (Module) 5 Neuroradiology, head and neck.**
6. **Unit (module) 6 Pediatric radiology**
7. **Unit (Module) 7 US**
8. **Unit (Module) 8 Emergency radiology**
9. **Unit (Module) 9 Interventional radiology**
10. **Unit (module) 10 Breast radiology**



Assiut University
Faculty of Medicine



Faculty of Medicine
Quality Assurance Unit

Units' Titles' list	% from total Marks	Level (Year)	Core Credit points		
			Didactic	Training	Total
Unit (Module) 1 Genitourinary tract.	12%	1,2,3,4	2.88	14.76	17.64
Unit (Module) 2 MSK system	15%	1,2,3,4	3.6	18.45	22.05
Unit (Module) 3 Chest and cardio-vascular system	15%	1,2,3,4	3.6	18.45	22.05
Unit (Module) 4 Gastrointestinal tract	14%	1,2,3,4	3.36	17.22	20.58
Unit (Module) 5 Neuroradiology, head and neck.	16%	1,2,3,4	3.84	19.68	23.52
Unit (module) 6 Pediatric radiology	6%	1,2,3,4	1.44	7.38	8.82
Unit (Module) 7 US.	8%	1,2,3,4	1.92	9.84	11.76
Unit (Module) 8 Emergency radiology	8%	1,2,3,4	1.92	9.84	11.76
Unit (Module) 9 Interventional radiology	3%	3,4	0.72	3.69	4.41
Unit (module) 10 Breast radiology	3%	1,2,3,4	0.72	3.69	4.41
	100%		24	123	147



Year 1
(23 credit points for training in diagnostic radiology department)

Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points
Clinical training in Radiodiagnosis	23	Radiodiagnosis	Year 1	18.7% of the training in all units (Second part)
Radiodiagnosis	4	Radiodiagnosis	<ul style="list-style-type: none"> ➤ Practice with clinical cases for one day (6 hours) per week for 20 weeks in Doppler US unit of the department including ➤ Procedures log as mentioned below 	17.4%
	6		<ul style="list-style-type: none"> ➤ Practice with clinical cases for one day (6 hours) per week for 30 weeks in CT unit including ➤ Procedures log as mentioned below 	26.1%
	6		<ul style="list-style-type: none"> ➤ Practice with clinical cases for one day (6 hours) per week for 30 weeks in MRI unit including ➤ Procedures log as mentioned below 	26.1%
	4		<ul style="list-style-type: none"> ➤ Attendance and or practice of one day per week in the Outpatient US Clinic for 20 weeks. 	17.4%
	3		<ul style="list-style-type: none"> ➤ Night shift from 2pm to 8am at least twice / month for at 3 month 	13%
Student signature			Principle coordinator Signature	Head of the department signature



Assiut University
Faculty of Medicine



Faculty of Medicine
Quality Assurance Unit

Night Shift

Date	Signature of supervisor



Year 2, 3 & 4

- 24 credit point for didactic (lectures, seminars, tutorial, conference etc)
 - 12 credit point during year 2 and 12 credit point during year 3
 - ➔ Total points for seminar = 1.5 CP (0.8 during year 2 and 0.7 during year 3)
 - ➔ Total point for conference or work shop= 0.9 CP (during year 2 and or year 3)
 - ➔ Total points for lectures in year 2 = 10.48 CP
 - ➔ Total points for lectures in year 3 = 10.42 CP
 - ➔ Total points for MCQ exams = 0.7 CP (during year 2 and or year 3)
 - 100 credit points for training in diagnostic radiology department
 - ➔ 45 CP during years 2
 - ➔ 45 CP during year 3
 - ➔ 10 CP during year 4.
- Minimal rate of attendance 80% of training and didactic



Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points
Clinical training in Radiodiagnosis	45	Radiodiagnosis	Year 2	36.6% of the training in all units (Second part)
Radiodiagnosis	10		<ul style="list-style-type: none"> ➤ Practice with clinical cases for one day (6 hours) per week for 50 weeks in CT unit of the department including ➤ Procedures log as mentioned below 	22.2%
	10		<ul style="list-style-type: none"> ➤ Practice with clinical cases for one day (6 hours) per week for 50 weeks in MRI unit including ➤ Procedures log as mentioned below 	22.2%
	3		<ul style="list-style-type: none"> ➤ Practice with clinical cases for one day (6 hours) per week for 15 weeks in Doppler US unit including ➤ Procedures log as mentioned below 	6.7%
	5		<ul style="list-style-type: none"> ➤ Practice with clinical cases for one day (6 hours) per week for 25 weeks in Outpatient US clinic including ➤ Procedures log as mentioned below 	11.1%
	5		<ul style="list-style-type: none"> ➤ Practice with clinical cases for one day (6 hours) per week for 25 weeks in X-ray reporting unit including ➤ Procedures log as mentioned below 	11.1%
	3		<ul style="list-style-type: none"> ➤ Practice with clinical cases for one day (6 hours) per week for 15 weeks in Pediatric radiology department including ➤ Procedures log as mentioned below 	6.7%
	6		<ul style="list-style-type: none"> ➤ Night shift from 2pm to 8 am at least twice /month for 6 months 	13.3%
	3		<ul style="list-style-type: none"> ➤ formative assessment 	6.7%
Student signature			Principle coordinator Signature	Head of the department signature



year 3

Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points
Clinical training in Radiodiagnosis	45	Radiodiagnosis	Year 3	36.6% of the training in all units (Second part)
Radiodiagnosis	10		<ul style="list-style-type: none"> ➤ Practice with clinical cases for one day (6 hours) per week for 50 weeks in CT unit of the department including ➤ Procedures log as mentioned below 	22.2%
	10		<ul style="list-style-type: none"> ➤ Practice with clinical cases for one day (6 hours) per week for 50 weeks in MRI unit including ➤ Procedures log as mentioned below 	22.2%
	3		<ul style="list-style-type: none"> ➤ Practice with clinical cases for one day (6 hours) per week for 15 weeks in Doppler US unit including ➤ Procedures log as mentioned below 	6.7%
	5		<ul style="list-style-type: none"> ➤ Practice with clinical cases for one day (6 hours) per week for 25 weeks in Outpatient US clinic including ➤ Procedures log as mentioned below 	11.1%
	5		<ul style="list-style-type: none"> ➤ Practice with clinical cases for one day (6 hours) per week for 25 weeks in X-ray reporting unit including ➤ Procedures log as mentioned below 	11.1%
	3		<ul style="list-style-type: none"> ➤ Practice with clinical cases for one day (6 hours) per week for 15 weeks in Pediatric radiology department including ➤ Procedures log as mentioned below 	6.7%
	6		<ul style="list-style-type: none"> ➤ Night shift from 2pm to 8 am at least twice /month for 6 months 	13.3%
	3		<ul style="list-style-type: none"> ➤ formative assessment 	6.7%
Student signature			Principle coordinator Signature	Head of the department signature



Assiut University
Faculty of Medicine



Faculty of Medicine
Quality Assurance Unit

Night Shift

Date	Signature of supervisor



Year 4

Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points
Clinical training in Radiodiagnosis	10	Radiodiagnosis	Year 4	8.1% of the training in all units (Second part)
Radiodiagnosis	3		<ul style="list-style-type: none"> ➤ Practice with clinical cases for at least 12 cases in Intervention unit including: **US/CT guided biopsy **Percutaneous drainage e.g Pig-tail insertion. ➤ Procedures log as mentioned below 	30%
	2		<ul style="list-style-type: none"> ➤ Practice with clinical cases for one day (6 hours) per week for 10 weeks in MRI unit of the department including ➤ Procedures log as mentioned below 	20%
	2		<ul style="list-style-type: none"> ➤ Practice with clinical cases for one day (6 hours) per week for 10 weeks in the CT unit including ➤ Procedures log as mentioned below 	20%
	3		<ul style="list-style-type: none"> ➤ Night shift from 2 pm to 8 am at least twice / month for 3 month 	30%
Student signature			Principle coordinator Signature	Head of the department signature



Assiut University
Faculty of Medicine



Faculty of Medicine
Quality Assurance Unit

Night Shift

Date	Signature of supervisor

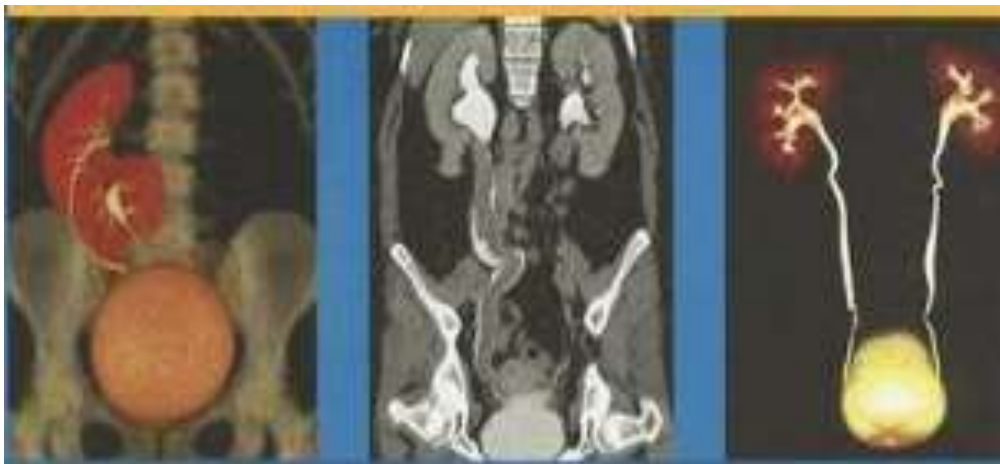


Assiut University
Faculty of Medicine



Faculty of Medicine
Quality Assurance Unit

Module: genitourinary tract





Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points	
Genitourinary system	2.88 CP	Department of Diagnostic radiology	Attendance of 29 hours	100%	
Year 2	0.24 CP	Department of Diagnostic radiology	Attendance of 2.5 hours	8.4%	
	0.3 CP		Genitourinary tract anatomy on CT/ CT urography and MRI/ MR urography.	Attendance of 4 hours	10.4%
			0.4 CP	Patho-physiology of GU diseases after contrast administration.	Attendance of 4 hours
Year 3	0.4 CP		Attendance of 4 hours	13.9%	
	0.4CP		GU tract neoplasm in different imaging modalities.	Attendance of 4 hours	13.9%
			0.24 CP	Interpretation, identification and management of different GU diseases with imaging.	Attendance of 2.5 hours
	0.3 CP		Renal cystic diseases	Attendance of 3 hours	10.4%
			0.3 CP	Female pelvic disorders	Seminar
Year 2 and / or year 3	0.3 CP		Attendance of 80% of seminar	Presentation of at least one time in seminar	6.95%
			0.2 CP		
	0.1 CP		MCQ EXAM		
Student signature				Principle coordinator signature	Head of the department signature



Training on Genitourinary system will be achieved during rotation between the following units {CT, MRI, Ultrasound, Angiography} during year (1-4) and during night shift.

Procedures log book
List of requirements

Procedure
Protocols of CT & multi-slice CT examination
Protocols of MRI examination.
Duplex US examination
Penile Duplex examination & cavernosography.
Renal angiography
-Percutaneous needle biopsy and abscess drainage.



Assiut University
Faculty of Medicine



Faculty of Medicine
Quality Assurance Unit

Module: *musculoskeletal*

Module:
musculoskeletal
system





Assiut University
Faculty of Medicine



Faculty of Medicine
Quality Assurance Unit

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points	
Musculoskeletal system	3.6 CP	Department of Diagnostic radiology	Attendance of 36 hours	100%	
Year 2	0.4 CP	Department of Diagnostic radiology	Attendance of 4 hours Normal CT and MRI anatomy of the axial and appendicular skeleton.	11.1%	
	0.3 CP		Attendance of 3 hours Common dysplasia and congenital conditions.	8.3%	
	0.3 CP		Attendance of 3 hours Benign and malignant bone tumors.	8.35%	
	0.2 CP		Attendance of 2 hours Assessment of a solitary bony lesion.	5.6%	
	0.4 CP		Attendance of 4 hours Articular disease.	11.2%	
Year 3	0.3 CP		Attendance of 3 hours Infectious lesions.	8.3%	
	0.1 CP		Attendance of 2 hours Osteonecrosis.	2.7%	
	0.3 CP		Attendance of 3 hours Hematopoietic and storage disease.	8.3%	
	0.4 CP		Attendance of 4 hours Endocrine disease.	11.2%	
	0.3 CP		Attendance of 3 hours Soft tissue lesions.	8.3%	
Year 2 and / or year 3	0.3 CP		Seminar Attendance of 80% of seminar Presentation of at least one time in seminar	8.35%	
	0.2 CP		Conference or workshop	5.6%	
	0.1 CP		MCQ EXAM	2.7%	
Student signature				Principle coordinator Signature	Head of the department signature



Assiut University
Faculty of Medicine



Faculty of Medicine
Quality Assurance Unit

Academic activates

Lecture, journal club, seminar, conference, workshop

Activity	Your role **	Date	Signature of supervisor

** Your role:-
A- Attendance
B- Organization
C- Presentation



Training on MSK will be achieved during rotation between the following units {CT, MRI, Ultrasound, } during year (1-4) and during night shift.

Procedures log book
List of requirements

Procedure
-Protocols of CT& multi-slice CT in MSK and soft tissue examinations.
Protocols of MRI in MSK and soft tissue examinations.
Bone density measurements.
Percutaneous biopsy.

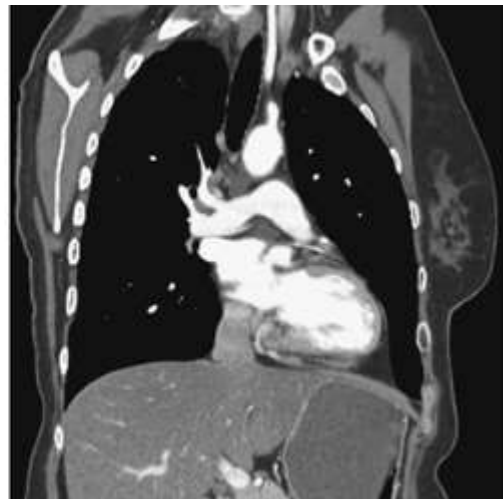


Assiut University
Faculty of Medicine



Faculty of Medicine
Quality Assurance Unit

Module: chest and cardiovascular system





Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Chest and cardiovascular system	3.6 CP	Department of Diagnostic radiology	Attendance of 36 hours Or active participation 18 hour	100%
Year 2	0.5 CP		Attendance of 5 hours Different signs in chest radiology.	13.9%
	0.2 CP		Attendance of 2 hours Pulmonary vasculature	5.6%
	0.5 CP		Attendance of 5 hours Pulmonary tumors and mediastinum.	13.8%
	0.4 CP		Attendance of 5 hours Interstitial lung disease (ILD).	11.2%
Year 3	0.5 CP		Attendance of 5 hours Pulmonary infection	13.9%
	0.5 CP		Attendance of 5 hours Cardiovascular system.	13.8%
	0.4 CP		Attendance of 4 hours Chest wall, pleural and diaphragmatic lesions.	11.2%
Year 2 and/or Year 3	0.3 CP		Seminar Attendance of 80% of seminar Presentation of at least one time in seminar	8.3%
	0.2 CP		Conference or workshop	5.5%
	0.1 CP		MCQ EXAM	2.8%
Student signature			Principle coordinator Signature	Head of the department signature



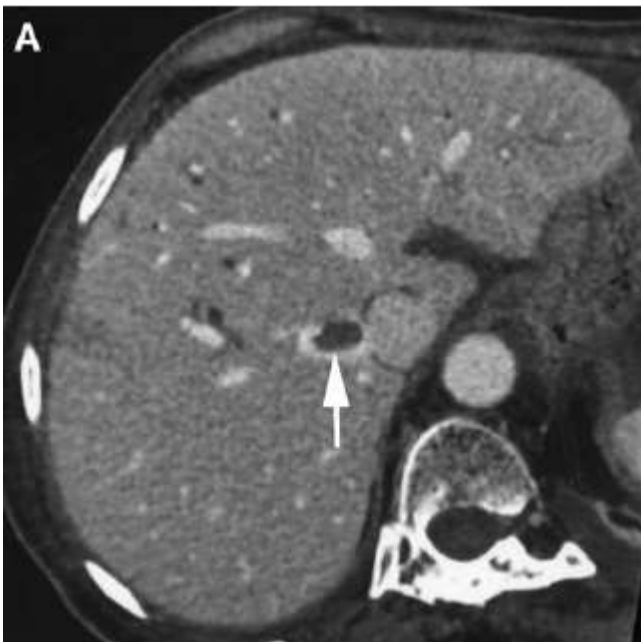
Module: Chest and cardiovascular system.

Training on Chest and cardiovascular system will be achieved during rotation between the following units { X ray, CT, MRI, Angiography } during year (1-4) and during night shift

Procedures log book
List of requirements

Procedure
Protocols of CT & multi-slice CT& CT angiography examinations.
Angiography
Phlebography
CT guided needle lung biopsy

Module: gastrointestinal tract





Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points	
Gastrointestinal tract	3.36 CP	Department of Diagnostic radiology	Attendance of 33.5 hours	100%	
Year 2	0.4 CP	Department of Diagnostic radiology	Attendance of 4 hours Normal GIT anatomic features and variants.	11.9%	
	0.4 CP		Attendance of 4 hours Lesions of the pharynx and esophagus.	11.9%	
	0.36 CP		Attendance of 3.5 hours Lesions of the stomach, small bowel, , colon and appendix.	10.8%	
	0.3 CP		Attendance of 3 hours Vascular lesions.	8.9%	
Year 3	0.4 CP		Attendance of 4 hours Hepatic lesions.	11.9%	
	0.4 CP		Attendance of 4 hours Pancreatic lesion.	11.9%	
	0.3 CP		Attendance of 3 hours Systemic diseases and GIT manifestation.	8.9%	
	0.3 CP		Attendance of 3 hours Peritoneum and retro-peritoneum.	8.9%	
Year 2 and/or Year 3	0.3 CP		Seminar Attendance of 80% of seminar Presentation of at least one time in seminar	8.9%	
	0.1 CP		Conference or workshop	3%	
	0.1 CP		MCQ EXAM	3%	
Student signature				Principle coordinator Signature	Head of the department signature



Module: gastrointestinal tract
Procedures log book

List of requirements

Training on gastrointestinal tract will be achieved during rotation between the following units { CT, MRI, Angiography } during year (1-4) and during night shift

Procedure
Protocols of CT, multi-slice CT examinations.
Protocols of MRI examination of the GIT
Fistulogram: CT &MRI
Transtubal cholangiogram
Percutaneous transhepatic cholangiography (PTC)
External biliary drainage
Mesenteric angiography

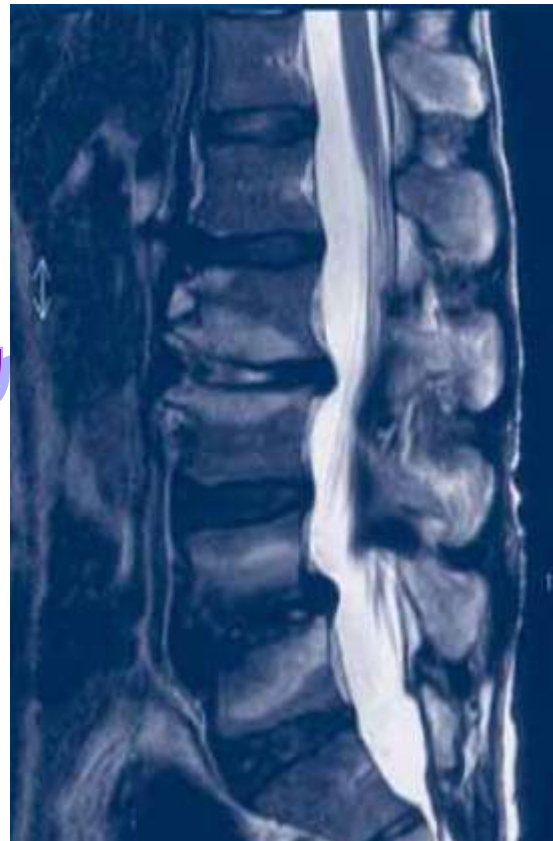


Assiut University
Faculty of Medicine



Faculty of Medicine
Quality Assurance Unit

**Module:
neuroradiology,
head and neck**





Assiut University
Faculty of Medicine



Faculty of Medicine
Quality Assurance Unit

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Neuroradiology, Head and neck	3.84 CP	Department of Diagnostic radiology	Attendance of 38.4 hours	100%
Year 2	0.2 CP		Attendance of 2 hours Intra-cranial & vascular anatomy.	5.2%
	0.64 CP		Attendance of 6.4 hours congenital malformation of the brain, Neurocutaneous syndromes.	16.8%
	0.6 CP		Attendance of 6 hours Brain tumors.	15.6%
	0.2 CP		Attendance of 2 hours Intra-cranial hemorrhage and stroke.	5.2%
Year 3	0.6 CP		Attendance of 6 hours Congenital anomalies, neoplastic and non-neoplastic lesions of the spine.	15.6%
	0.3 CP		Attendance of 3 hours Brain infection.	7.8%
	0.5 CP		Attendance of 5 hours Lesions of the PNS, orbit and petrous.	13%
	0.2 CP		Attendance of 3 hours Neck lesions	5.2%
Year 2 and / or Year 3	0.3 CP		Seminar Attendance of 80% of seminar	7.8%
	0.2 CP		Conference or workshop	5.2%
	0.1 CP		MCQ EXAM	2.6%
Student signature			Principle coordinator Signature	Head of the department signature



Module: Neuroradiology and head and neck.

Training on Neuroradiology and head and neck.
will be achieved during rotation between the following units {
US, Duplex US, CT, MRI, Angiography } during year (1-4) and
during night shift

Procedures log book
List of requirements

Procedure
Protocols of CT & multi-slice & CT-angiography examination
Protocols of MRI examination
Duplex US for carotid vessels and US/ CT guided needle biopsy
-US and CT guided needle biopsy -Cerebral angiography

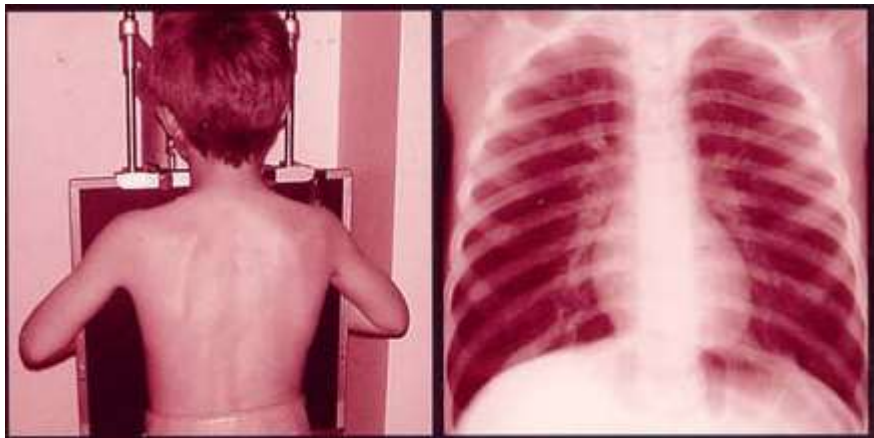


Assiut University
Faculty of Medicine



Faculty of Medicine
Quality Assurance Unit

Module: Pediatric radiology





Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Pediatric radiology	1.44 CP	Department of Diagnostic radiology in pediatric hospital	Attendance of 14.5 hours	100%
Year 2	0.2 CP	Department of Diagnostic radiology in pediatric hospital	Attendance of 2 hours Pediatric Genitourinary tract.	13.9%
	0.3 CP		Attendance of 3 hours Pediatric Chest.	20.8%
	0.1 CP		Attendance of 1 hour Pediatric Musculoskeletal system.	7%
Year 3	0.3 CP		Attendance of 3 hours Pediatric GI tract.	20.8%
	0.3 CP		Attendance of 3 hours Pediatric Neuro-imaging.	20.8%
	0.14 CP		Attendance of 1.5 hours Classification of vascular malformations.	9.8%
	0.1 CP		Attendance of 1 hour Findings in pediatric ENT lesions.	6.9%
Student signature			Principle coordinator Signature	Head of the department signature



Assiut University
Faculty of Medicine



Faculty of Medicine
Quality Assurance Unit

Module: Ultrasound





Assiut University
Faculty of Medicine



Faculty of Medicine
Quality Assurance Unit

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points	
Ultrasound	1.92 CP	Department of Diagnostic radiology in pediatric hospital	Attendance of 19.5 hours	100%	
Year 2	0.2 CP	Department of Diagnostic radiology in pediatric hospital	Attendance of 2 hours Trans-abdominal and pelvic ultrasound.	10.5%	
	0.3 CP		Attendance of 3 hours US Neck.	15.55%	
	0.3 CP		Attendance of 3 hours Peripheral vascular Duplex US.	15.55%	
Year 3	0.3 CP		Attendance of 3 hours Duplex US of abdominal vessels.	15.6%	
	0.3 CP		Attendance of 3 hours Ultrasound guided aspiration of fluid collection and biopsy.	15.6%	
	0.32 CP		Attendance of 3.5 hours Musculoskeletal US	16.7%	
Year 2 And /or Year 3	0.2 CP		MCQ EXAM	10.5%	
Student signature			Principle coordinator Signature	Head of the department signature	



Module: ULTRASOUND.

Training on Ultrasound and Doppler US will be achieved during rotations during year (1-4) and during night shift

Procedures log book
List of requirements

Procedure
Abdominal US.
Pelvic US.
Obstetric US.
-Small parts US: thyroid, breast and scrotum. -Duplex US.
Ultrasound guided aspiration and biopsy



Assiut University
Faculty of Medicine



Faculty of Medicine
Quality Assurance Unit

Module:Emergency radiology





Assiut University
Faculty of Medicine



Faculty of Medicine
Quality Assurance Unit

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points	
Emergency radiology	1.92 CP	Department of Diagnostic radiology	Attendance of 19 hours	100%	
Year 2	0.3 CP	Department of Diagnostic radiology	Attendance of 3 hours Central Nervous System emergency.	15.6%	
	0.25 CP		Attendance of 2.5 hours Face and Neck trauma.	13.06%	
	0.25 CP		Attendance of 2.5 hours GU trauma	13.06%	
	0.25 CP		Attendance of 2.5 hour Chest trauma.	13.06%	
Year 3	0.27 CP		Attendance of 2.5 hours Cardiovascular Emergencies.	14.02%	
	0.3 CP		Attendance of 3 hours Abdominal Trauma.	15.6%	
	0.3 CP		Attendance of 3 hour Pediatric Emergencies.	15.6%	
Student signature				Principle coordinator Signature	Head of the department signature



Assiut University
Faculty of Medicine



Faculty of Medicine
Quality Assurance Unit

Module: Emergency radiology

Training on Emergency radiology .

will be achieved during rotation between the following units {
US, Fluoroscopy, Duplex US, CT, Angiography } during year
(1-4) and during night shift

Procedures log book
List of requirements

Procedure
Fluoroscopy for GIT& GU tract
US& interventional procedures guided by US
Duplex US
Protocols of multi-slice CT angiography



**Assiut University
Faculty of Medicine**



**Faculty of Medicine
Quality Assurance Unit**

Module: Interventional radiology



Assiut University
Faculty of Medicine



Faculty of Medicine
Quality Assurance Unit

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Interventional radiology	0.72 CP	Department of Diagnostic radiology	Attendance of 7.25 hours	100%
Year 2	0.22 CP		Attendance of 2.25 hours Different Diagnostic & therapeutic procedures.	30.5%
	0.2 CP		Attendance of 2 hours Common indications for interventional radiology.	27.8%
Year 3	0.3 CP		Attendance of 3 hours Basic interventional skills under radiological guidance.	41.7%
Student signature			Principle coordinator Signature	Head of the department signature



**Assiut University
Faculty of Medicine**



**Faculty of Medicine
Quality Assurance Unit**

Module: Breast radiology



Assiut University
Faculty of Medicine



Faculty of Medicine
Quality Assurance Unit

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points	
Breast radiology	0.72 CP	Department of Diagnostic radiology	Attendance of 7.25 hours	100%	
Year 2	0.12 CP	Department of Diagnostic radiology	Attendance of 1.25 hour Screening mammography.	16.7%	
	0.15 CP		Attendance of 1.5 hour Normal structures on mammogram, US and MRI.	20.8%	
	0.1 CP		Attendance of 1 hour Breast ultrasound	13.9%	
Year 3	0.1 CP		Attendance of 1 hour Basics of a diagnostic work up.	13.9%	
	0.15 CP		Attendance of 1.5 hour The interpretation of mammogram and ultrasound.	20.8%	
	0.1 CP		Attendance of 1 hour Breast MRI	13.9%	
Student signature				Principle coordinator Signature	Head of the department signature



Postgraduate student's program Rotation in training assessment

* *Name:*

* *Period of training From:*

To:

* *Site:*

*Rotation

General skills	could not judge (0)	strongly disagree(1)	(2) (3)		(4) (5)		(6)	strongly agree (7)
Demonstrate the competency of continuous evaluation of different types of care provision to patients in the different area of his field.								
Appraise scientific evidence.								
Continuously improve patient care based on constant self-evaluation and <u>life-long learning</u> .								
Participate in clinical audit and research projects.								



General skills	could not judge (0)	strongly disagree(1)	↔		↔		(6)	strongly agree (7)
			(2)	(3)	(4)	(5)		
Practice skills of evidence-based Medicine (EBM).								
Educate and evaluate students, residents and other health professionals.								
Design logbooks.								
Design clinical guidelines and standard protocols of management.								
Appraise evidence from scientific studies related to the patients' health problems.								
Apply knowledge of study designs and statistical methods to the appraisal of clinical studies.								
Use information technology to manage information, access on- line medical information; for the important topics.								
Master interpersonal and communication skills that result in the effective <u>exchange of information and collaboration</u> with patients, their families, and health professionals, including:- <ul style="list-style-type: none"> • <u>Present</u> a case. • <u>Write</u> a consultation note. • <u>Inform patients</u> of a diagnosis and therapeutic plan Completing and maintaining comprehensive. • Timely and legible <u>medical records</u>. • Teamwork skills. 								






General skills	could not judge (0)	strongly disagree(1)	↔		↔		(6)	strongly agree (7)
			(2)	(3)	(4)	(5)		
Create and sustain a therapeutic and ethically sound relationship with patients.								
Elicit and provide information using effective nonverbal, explanatory, questioning, and writing skills.								
Work effectively with others as a member or leader of a health care team or other professional group.								
Demonstrate respect, compassion, and integrity; a responsiveness to the needs of patients and society.								
Demonstrate a commitment to ethical principles including provision or withholding of clinical care, confidentiality of patient information, informed consent, and business practices.								
Demonstrate sensitivity and responsiveness to patients' culture, age, gender, and disabilities.								
Work effectively in health care delivery settings and systems related to specialty including good administrative and time management.								
Practice cost-effective healthcare and resource allocation that does not compromise quality of care.								



Assiut University
Faculty of Medicine



Faculty of Medicine
Quality Assurance Unit

General skills	could not judge (0)	strongly disagree(1)	 (2) (3)		 (4) (5)		 (6)	strongly agree (7)
Advocate for quality patient care and assist patients in dealing with system complexities.								
Design, monitor and evaluate specification of under and post graduate courses and programs.								
Act as a chair man for scientific meetings including time management								



Assiut University
Faculty of Medicine



Faculty of Medicine
Quality Assurance Unit

Elective courses

The student choose two courses

3 credit point

- **Advanced medical statistics.**
- **Evidence based medicine.**
- **Advanced infection control.**
- **Quality assurance of medical education.**
- **Quality assurance of clinical practice.**
- **Hospital management**



Assiut University
Faculty of Medicine



Faculty of Medicine
Quality Assurance Unit

Declaration

Course Structure Mirror	Responsible (Course) Coordinator Name:	Signature	Date
First Part			
Course 1			
Course 2			
Course 3			
Course 4			
Course 5			
Second Part			
Course 6 Radio-diagnosis			
Unit 1			
Unit 2			
Unit 3			
Unit 4			
Unit 5			
Unit 6			
Unit 7			
Unit 8			
Unit 9			
Unit 10			
Elective courses certificates dates			
- MD Thesis Acceptance Date:			
- Fulfillment of required credit points prior to final examination			
Radio diagnosis MD Principle Coordinator: Prof. Dr.			
Date approved by Radio diagnosis Department Council			

Declaration:
رئيس القسم: أ. د /