

TOROS ÜNİVERSİTESİ

Vocational School
Medical Imaging Techniques

Course Information

ANGIOGRAPHY AND INTERVENTIONAL RADIOLOGY					
Code	Semester	Theoretical	Practice	National Credit	ECTS Credit
		Hour / Week			
TGT215	Fall	2	0	2	2

Prerequisites and co-requisites	
Language of instruction	Turkish
Type	Elective
Level of Course	Associate
Lecturer	Lec. Dr. Murat ÜREDİ
Mode of Delivery	Face to Face
Suggested Subject	
Professional practise (internship)	None
Objectives of the Course	The aim of this course is to acquire knowledge and skills about angiography imaging and interventional radiological procedures in classroom and hospital conditions.
Contents of the Course	Peripheral angiography, peripheral vascular diseases, renal angiography and renal vascular diseases, sediment and mesenteric angiography and pathologies, pulmonary angiography and pulmonary vascular diseases, cerebral angiography and cerebral vasculature, as well as fluoroscopy and angiography physics, general information on angiography, digital subtraction angiography, arteriography, Diseases, radiological vascular interventional methods, radiological nonvascular interventional methods.

Learning Outcomes of Course

#	Learning Outcomes
1	To know the angiography devices and learn the working principles
2	To recognize materials used in angiography and interventional radiological procedures
3	To learn contrast medium reactions and complications of procedures
4	Examination with DSA device
5	Patient preparation and follow-up after the procedure in the angiography procedure.
6	Preparation of results after angiography and interventional radiological procedures and informing patients

Course Syllabus

#	Subjects	Teaching Methods and Technics
1	Angiography devices	Lecture, discussion
2	DSA device and working principles	Lecture, discussion
3	Materials used in angiography and its processing.	Lecture, discussion
4	Coronary angiography	Lecture, discussion
5	Angiography in stent applications	Lecture, discussion
6	Cerebral angiography	Lecture, discussion
7	Angiographic interventional radiological methods	Lecture, discussion
8	Mid-term exam	

9	Endovascular treatment of cerebral vascular pathologies	Lecture, discussion
10	Contrast materials and contrast agent reactions used in angiography.	Lecture, discussion
11	Pulmonary angiography	Lecture, discussion
12	Angiography in Upper Limb Practices	Lecture, discussion
13	Abdominal Angiography	Lecture, discussion
14	Angiography in Lower Limb Practices	Lecture, discussion
15	Other Angiography Applications	Lecture, discussion
16	Final Exam	

Course Syllabus

#	Material / Resources	Information About Resources	Reference / Recommended Resources
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Method of Assessment

#	Weight	Work Type	Work Title
1	40%	Mid-Term Exam	Mid-Term Exam
2	60%	Final Exam	Final Exam

Relationship between Learning Outcomes of Course and Program Outcomes

#	Learning Outcomes	Program Outcomes	Method of Assessment
1	To know the angiography devices and learn the working principles	4	1,2
2	To recognize materials used in angiography and interventional radiological procedures	4	1,2
3	To learn contrast medium reactions and complications of procedures	2	1,2
4	Examination with DSA device	2,4	1,2
5	Patient preparation and follow-up after the procedure in the angiography procedure.	3,6	1,2
6	Preparation of results after angiography and interventional radiological procedures and informing patients	6	1,2

PS. The numbers, which are shown in the column Method of Assessment, presents the methods shown in the previous table, titled as Method of Assessment.

Work Load Details

#	Type of Work	Quantity	Time (Hour)	Work Load
1	Course Duration	14	2	28
2	Course Duration Except Class (Preliminary Study, Enhancement)	0	0	0
3	Presentation and Seminar Preparation	0	0	0
4	Web Research, Library and Archival Work	0	0	0
5	Document/Information Listing	0	0	0
6	Workshop	0	0	0
7	Preparation for Midterm Exam	1	4	4
8	Midterm Exam	1	1	1
9	Quiz	0	0	0
10	Homework	5	3	15
11	Midterm Project	0	0	0
12	Midterm Exercise	0	0	0
13	Final Project	0	0	0

14	Final Exercise	0	0	0
15	Preparation for Final Exam	1	11	11
16	Final Exam	1	1	1
				60