

Vocational School of Health Services / Medical Imaging Techniques
2024 - 2025 Academic Year
MEDICAL IMAGING IV
Syllabus

Course Description					
Name	Code	Semester	T+A Hour	Credit	ECTS
MEDICAL IMAGING IV	TGT2263540	Spring Semester	2+8	6	15
Prerequisites Courses					
Recommended Elective Courses					
Language of Instruction	Turkish				
Course Level	Short Cycle (Associate's Degree)				
Course Type	Required				
Course Coordinator	Prof.Dr. Cengiz EROL				
Name of Lecturer(s)	Prof.Dr. Gülhan ERTAN AKAN				
Assistant(s)					
Aim	To learn about fluoroscopic studies using contrast agents and learn about angiographic applications				
Course Content	This course contains; Fluoroscopic imaging, using contrast agents in fluoroscopic studies,Fluoroscopic imaging of digerstive system,Fluoroscopic imaging of biliar system,Fluoroscopic imaging of urogenital system,Mammography devices,Mammographic studies,Angiography devices,Coroner angiography,Serebral angiography,Angiography in stent applications,Angiography in abdominal applications,Angiography in thorax applications,Angiography in upper extremity applications,Angiography in lower extremity applications.				
Course Learning Outcomes		Teaching Methods	Assessment Methods		
1. Learns about using contrast agent in fluoroscopic studies		16, 9	A		
2. Learns about mammograpy devices		6, 9	A		
3. Performs angiography methods and their region based studies		16, 9	A		
Teaching Methods	16: Question - Answer Technique, 6: Experiential Learning, 9: Lecture Method				
Assessment Methods	A: Traditional Written Exam				
Lecture Schedule					
Sequenc e	Topics	Preliminary Preparation			
1	Fluoroscopic imaging, using contrast agents in fluoroscopic studies	presentations			
2	Fluoroscopic imaging of digerstive system	presentations			
3	Fluoroscopic imaging of biliar system	presentations			
4	Fluoroscopic imaging of urogenital system	presentations			
5	Mammography devices	presentations			
6	Mammographic studies	presentations			
7	Angiography devices	presentations			
8	Coroner angiography	presentations			
9	Serebral angiography	presentations			
10	Angiography in stent applications	presentations			
11	Angiography in abdominal applications	presentations			
12	Angiography in thorax applications	presentations			
13	Angiography in upper extremity applications	presentations			
14	Angiography in lower extremity applications	presentations			
Evaluation Methods		Weight(%)			
Midterm Exam		40			
General Exam		60			
Resources					
Manyetik Rezonans, Görüntüleme Teknikler ve Temel Prensipleri Chapter 1-3					