

Code and Name of the Internship	TIP436- Radiology
Year of Internship	4
Duration of the Internship	2 weeks
ECTS of the internship	2
Language of the Internship	Turkish
Type of Internship	Imperative
Learning and Teaching Techniques of the Internship	<ol style="list-style-type: none"> 1. Theoretical Lecture 2. Practice/ Exercise 3. Assignments/ Research 4. Q&A 5. Argument 6. Observation 7. Team/Group Work
Measurement Techniques of the Internship	<ol style="list-style-type: none"> 1. Institutional knowledge measurement method-impact rate 80% (50% written-30% oral exam) 2. Application skill measurement method-impact rate 20% (10% internship report card-10% sample application)
Internship Supervisor(s)	Prof. Dr.M. Metin BAYRAM Prof.Dr. H.Ayhan ÖZKUR Prof. A.Selim KERVANCIOĞLU, MD Assist. Asst. Prof. M.Ali İKIDAĞ
Purpose of the Internship	Gaining knowledge, skills and attitudes about radiological methods used in diagnosis and treatment and their usage areas,
Learning Outcome of the Internship	<ol style="list-style-type: none"> 1. Explain radiological imaging modalities and know the basic indications of imaging modalities 2. Recognize radiological anatomy. 3. Explain the biological effects of radiation 4. Distinguish normal radiological manifestations and pathologies
Content of the Internship	<ol style="list-style-type: none"> 1. Radiology internship introduction, goals and objectives 2. Principles of physics in radiology 3. Radiological modalities 4. Musculoskeletal radiology 5. Methods of radiological examination of the digestive system 6. Radiology in endocrine system diseases 7. Neuroradiology and Interventional radiology 8. Respiratory system, radiology, PA, Chest X-ray 9. X-ray properties
Resources	<ol style="list-style-type: none"> 1. Textbook of Radiology and imaging, David Sutton, Churchill livingstone, 2. Clinical Radiology, Ercan Tuncel, Dünya Bookstore, 3. High Resolution Lung CT basics. Çetin Atasoy, World Medical Bookstore, 4. https://radiopaedia.org/ , Lecture notes by faculty members

Internship Courses (Weeks)	Internship Topics
1st Week	Radiological modalities, Respiratory fog. radiology, digestive sis. radiology, Radiological modalities used in neurology
2nd Week	Endocrine system radiology, breast radiology, Demyelinating diseases, Radiological algorithm

Number of Questions in the Internship		
Exam Type	Theoretical	Application
Final (Oral)	0	20
Make-up (Oral)	0	20

Evaluation System		
Semester Studies	Number	Total Contribution (%)
Written Exam	1	50
Oral Exam	1	30
Internship Performance	1	10
Sample Application	1	10
	Sum	100
Contribution of Semester Studies to Success Grade	0	100
Contribution of Final Studies to Success Grade	0	0
	Sum	100

Explanation: While calculating the contribution rates of the evaluation system, SANKO University Associate Degree and Undergraduate Education and Examination The Regulation and the Faculty of Medicine Education and Measurement and Evaluation Directive are valid.

Student Workload Table			
Events	Number	Duration (class hours)	Sum
Course Duration (Including Exam Week)	2	9	18
Laboratory	0	0	0
Application	2	6	12
Course-Specific Internship (If Available)	1	30	30
Fieldwork	0	0	0
Out-of-Class Study Time (Freelancing/ Group Study/ Pre-Study/ Reinforcement)	0	0	0
Presentation/Seminar Preparation	1	1	1
Project	0	0	0
Assignments	0	0	0
Board Exam	0	0	0
Final Exams	0	0	0
Total Workload	5	46	61

Associating the learning outcomes of the courses with the program competencies					
Program Qualifications	1	2	3	4	5
1. Chest X-ray, outpatient direct abdominal X-ray and direct urinary system X-ray can read appropriately.	X				
2. The musculoskeletal system can read direct radiographs in accordance with its technique.		X			
3. Recognize direct radiographic findings of elementary lesions of the lung.			X		
4. Recognize direct radiographic findings of bone elementary lesions.			X		
5. To be able to comment on the causes of acute abdomen directly on the abdominal X-ray. Perforation recognize their findings					
6. Recognize kidney and ureteral stones on direct urinary system X-ray					X
7. Detect ileus findings on direct abdominal radiographs				X	
8. Can comment on bone fractures in trauma patients directly on radiographs				X	
9. Pneumothorax, pneumomediastinum and pleural radiographs in trauma patients It can detect fluid findings.	X				
10. 10) Lung masses, pneumonia, tuberculosis, emphysema and fibrosis on chest X-ray To be able to recognize the findings			X		
11. Ability to evaluate cardiac pathologies and cardio-thoracic index in teledyograms	X				
12. Scientific and technological developments for professional and social changes It shows lifelong learning behavior by making use of it.	X				
13. Physician within the framework of professional values, ethical principles and legal regulations, regardless of language, religion, race, gender, social and cultural discrimination in the individual and society he serves. fulfills its responsibilities as.	X				
14. Protection and development of health in individual and social dimensions, diseases Performs teamwork with colleagues and other healthcare professionals in the management processes.			X		
15. Protection and development of the health of the individual and society and the society of health care It strives to be realized for the benefit of the individuals who make it up.			X		
Description: Level of qualification: 1. Miscarriage 2. Low/medium 3. Middle 4. High 5. That's great					