International School of Medicine / Medicine (English)

2023 - 2024 Academic Year

RADIATION ONCOLOGY (Elective)

Syllabus

Course Description					
Name	**Code**	**Semester**	**T+A Hour**	**Credit**	**ECTS**
RADIATION ONCOLOGY (Elective)	ISM6014818	Yearly	0+40	0	2

Prerequisites Courses	
Recommended Elective Courses	
Language of Instruction	English
Course Level	First Cycle (Bachelor's Degree)
Course Type	Elective
Course Coordinator	Prof.Dr. Dilek ÜNAL
Name of Lecturer(s)	Prof.Dr. Dilek ÜNAL
Assistant(s)	power point presentation, macroscopic pathology specimens, video presentation, brain stroming, sample cases, question/answer
Aim	to provide making the description of the molecular steps and pathogenesis of carcinogenesis, explanation of the pathogenesis of common diseases of the bone marrow, spleen and lymph nodes, description of their clinical features; description and discussion of the characteristic morphological appearance of neoplastic diseases, their classification, biological behavior and staging; explaining the etiopathogenesis of hematological tumors and non-tumoral common diseases, list the diagnostic procedures and description the main differential diagnostic features; explanation of the etiopathogenesis of common allergic diseases in childhood, list the diagnostic procedures and description the main differential diagnostic features; definition of the basic principles for the control of infectious diseases; the classification of viruses and the explanation of the pathogenesis of viral diseases, the grouping of viruses of clinical importance and their association with their clinical characteristics; explanation and discussion the basic principles of rational drug use; the classification of drugs used in anemia and cancer patients, the discussion of their clinical use and side effects, the classification of antimicrobial drugs, their clinical use and side effects; definition epidemiology in terms of public health and quality of life; identification of radiation, description of its clinical uses; explanation of the basic features of tumor biochemistry and group them according to diseases.
Course Content	This course contains; Side Effects and Management in Radiotherapy Applications,Head and Neck Cancers,Radiotherapy in Thorax Tumors,Multidisciplinary Treatment of Rectal Cancer,Hyperthermia in Radiotherapy,Gastric Cancer and Current Approaches in Its Treatment,Radiotherapy in Upper Gastrointestinal Cancers.

Course Learning Outcomes	**Teaching Methods**	**Assessment Methods**

Teaching Methods	
Assessment Methods	

Lecture Schedule

Sequence	**Topics**	**Preliminary Preparation**
1	Side Effects and Management in Radiotherapy Applications	
2	Head and Neck Cancers	
3	Radiotherapy in Thorax Tumors	
4	Multidisciplinary Treatment of Rectal Cancer	
5	Hyperthermia in Radiotherapy	
6	Gastric Cancer and Current Approaches in Its Treatment	
7	Radiotherapy in Upper Gastrointestinal Cancers	

Evaluation Methods	**Weight(%)**
Midterm Exam	40
General Exam	60

Resources
web sites, video, power point presentations