

**International School of Medicine / Medicine (English)**

**2023 - 2024 Academic Year**

**MEDICAL PATHOLOGY**

**Syllabus**

Course Description					
Name	Code	Semester	T+A Hour	Credit	ECTS
MEDICAL PATHOLOGY	ISM3015448	Yearly	99+48	0	7
<b>Prerequisites Courses</b>					
<b>Recommended Elective Courses</b>	none				
<b>Language of Instruction</b>	English				
<b>Course Level</b>	First Cycle (Bachelor's Degree)				
<b>Course Type</b>	Committee Course				
<b>Course Coordinator</b>	Prof.Dr. Bahar MÜEZZİNOĞLU				
<b>Name of Lecturer(s)</b>	Prof.Dr. Bahar MÜEZZİNOĞLU, Prof.Dr. Sergülen DERViŞOĞLU, Assist.Prof. Ferhat ÖZDEN, Assist.Prof. Taha Cumhan ŞAVLI				
<b>Assistant(s)</b>	Prof.Dr. Sergülen Dervişoğlu, Prof.Dr. Bahar Müezzinoğlu, Dr.Öğr.Üye.Ferhat Özden,Dr.Öğr.Üye. T.Cumhan Şavlı				
<b>Aim</b>	In pathology lectures , students will be able to comprehend the basic features of tumors, cancer development mechanisms and affecting factors, cancer spread and clinical and laboratory findings of cancer, explain the mechanisms of cancer development, its factors and general epidemiological features, explain the symptoms, pathophysiology, causes, clinical and pathological findings of the benign and malignant diseases related to the hematopoietic system and their relations with other systems, explain the pathophysiology and pathological findings of the benign and malignant diseases related to the hematopoietic system.				
<b>Course Content</b>	This course contains; definition of neoplasia, general features, terminology,Epidemiology and etiology of neoplasia,The cilnical and pathological features of benign and malignant tumors,Molecular basis of cancer,Pathological diagnosis and prognosis of tumors,How to approach bone marrow diseases in terms of pathology,How to approach lymph node diseases pathological view,Pathology of splenic and thymic diseases,Pathology of viral diseases,Neoplasia LAB,Hematopathology LAB,Pathology of Pituitary Diseases,Pathology of Thyroid Diseases,Pathology of Parathyroid Diseases and MEN Syndromes ,Pathology of Adrenal Gland Diseases ,Pathology of Endocrine Pancreatic Diseases ,Hypertensive vascular diseases and atherosclerosis,Pathology of ischemic heart diseases ,Pericardial and valvular heart diseases ,Cardiomyopathies and myocarditis,Diseases of veins /lymphatics and vascular tumors,vasculitis,Pathology of upper respiratory tract and larynx diseases,Pathology of pulmonary vascular diseases ,Pathology of nonspectif infections of lung,Pathology of pulmonary tuberculosis,Pathology of chronic obstructive pulmonary disease,Pathology of diffuse interstitial lung disease ,Pathology of pleural diseases ,Pathology of lung tumors,Pathology of oral cavity and salivary gland diseases,Pathology of esophageal diseases,Pathology of Gastric diseases,Pathology of non neoplastic intestinal diseases,Pathology of neoplastic intestinal diseases,General features of the liver pathology,Pathology of infectious diseases of liver,Toxic and autoimmune hepatitis,Pathology of metabolic and hereditary liver deseases ,Pathology of cholestatic liver diseases,Pathology of Liver mass lesions,Pathology of gall bladder diseases ,Pathology of exocrine pancreas diseases,pathology of vulvar and vaginal diseases ,pathology of uterine cervical diseases ,pathology of endometrial diseases,pathology of tuboovarian diseases ,pathology of trophoblastic diseases,pathology of breast diseases,pathology of glomerular diseases,pathology of interstitial renal diseases,Pathology of renovascular diseases ,pathology of renal cysts and tumors,Pathology lower urinary system,Pathology of prostate diseases ,Pathology of penile and testicular diseases,Introduction to CNS pathology ,Pathology of Infectious Diseases of CNS,Pathology of Vascular Diseases of CNS,Neurodegenerative,toxic and metabolic diseases of CNS,Pathology of CNS Tumors and hereditary tumor syndromes,Pathology of Peripheral Nerve and Muscle disorders ,Pathology of skin diseases and tumors,Developmental bone diseases and fracture healing,Degenerative diseases, aseptic necrosis and osteomyelitis,Metabolic bone diseases,Pathology of Bone Tumors,Pathology of Joint diseases,Pathology of Soft tissue tumors .				
<b>Course Learning Outcomes</b>			<b>Teaching Methods</b>	<b>Assessment Methods</b>	
			10, 16, 9	A	
<b>Teaching Methods</b>	10: Discussion Method, 16: Question - Answer Technique, 9: Lecture Method				
<b>Assessment Methods</b>	A: Traditional Written Exam				
<b>Lecture Schedule</b>					
Sequence	Topics	Preliminary Preparation			
1	definition of neoplasia, general features, terminology	none			
2	Epidemiology and etiology of neoplasia	none			
3	The cilnical and pathological features of benign and malignant tumors	none			
4	Molecular basis of cancer	none			
5	Pathological diagnosis and prognosis of tumors	none			
6	How to approach bone marrow diseases in terms of pathology	none			
7	How to approach lymph node diseases pathological view	none			
8	Pathology of splenic and thymic diseases	none			
9	Pathology of viral diseases	none			
10	Neoplasia LAB	none			
11	Hematopathology LAB	none			
12	Pathology of Pituitary Diseases	none			
13	Pathology of Thyroid Diseases	none			
14	Pathology of Parathyroid Diseases and MEN Syndromes	none			
15	Pathology of Adrenal Gland Diseases	none			
16	Pathology of Endocrine Pancreatic Diseases	none			
17	Hypertensive vascular diseases and atherosclerosis	none			
18	Pathology of ischemic heart diseases	none			
19	Pericardial and valvular heart diseases	none			
20	Cardiomyopathies and myocarditis	none			
21	Diseases of veins /lymphatics and vascular tumors	none			
22	vasculitis	none			
23	Pathology of upper respiratory tract and larynx diseases	none			
24	Pathology of pulmonary vascular diseases	none			
25	Pathology of nonspectif infections of lung	none			
26	Pathology of pulmonary tuberculosis	none			

**International School of Medicine / Medicine (English)**

**2023 - 2024 Academic Year**

**MEDICAL PATHOLOGY**

**Syllabus**

<b>Lecture Schedule</b>		
<b>Sequence</b>	<b>Topics</b>	<b>Preliminary Preparation</b>
27	Pathology of chronic obstructive pulmonary disease	none
28	Pathology of diffuse interstitial lung disease	none
29	Pathology of pleural diseases	none
30	Pathology of lung tumors	none
31	Pathology of oral cavity and salivary gland diseases	none
32	Pathology of esophageal diseases	none
33	Pathology of Gastric diseases	none
34	Pathology of non neoplastic intestinal diseases	none
35	Pathology of neoplastic intestinal diseases	none
36	General features of the liver pathology	none
37	Pathology of infectious diseases of liver	none
38	Toxic and autoimmune hepatitis	none
39	Pathology of metabolic and hereditary liver diseases	none
40	Pathology of cholestatic liver diseases	none
41	Pathology of Liver mass lesions	none
42	Pathology of gall bladder diseases	none
43	Pathology of exocrine pancreas diseases	none
44	pathology of vulvar and vaginal diseases	none
45	pathology of uterine cervical diseases	none
46	pathology of endometrial diseases	none
47	pathology of tuboovarian diseases	none
48	pathology of trophoblastic diseases	none
49	pathology of breast diseases	none
50	pathology of glomerular diseases	none
51	pathology of interstitial renal diseases	none
52	Pathology of renovascular diseases	none
53	pathology of renal cysts and tumors	none
54	Pathology lower urinary system	none
55	Pathology of prostate diseases	none
56	Pathology of penile and testicular diseases	none
57	Introduction to CNS pathology	none
58	Pathology of Infectious Diseases of CNS	none
59	Pathology of Vascular Diseases of CNS	none
60	Neurodegenerative, toxic and metabolic diseases of CNS	none
61	Pathology of CNS Tumors and hereditary tumor syndromes	none
62	Pathology of Peripheral Nerve and Muscle disorders	none
63	Pathology of skin diseases and tumors	none
64	Developmental bone diseases and fracture healing	none
65	Degenerative diseases, aseptic necrosis and osteomyelitis	none
66	Metabolic bone diseases	none
67	Pathology of Bone Tumors	none
68	Pathology of Joint diseases	none
69	Pathology of Soft tissue tumors	none
<b>Evaluation Methods</b>		<b>Weight(%)</b>
Midterm Exam		40
General Exam		60

<b>Resources</b>
Vinay Kumar, Abul K. Abbas, Nelson Fausto, Richard Mitchell: Robbins Basic Pathology. 10 th ed. Saunders/Elsevier Edward C. Klatt: Robbins and Cotran Atlas of Pathology. 2nd ed. Saunders. Various web sites ( Pathology outlines vb) , lecture notes power point presentation sample cases pathology specimens websites source books question/answer interactive participation brainstorming