

International School of Medicine / Medicine (English)

2023 - 2024 Academic Year

GENERAL SURGERY

Syllabus

Course Description						
Name	Code	Semester	T+A Hour	Credit	ECTS	
GENERAL SURGERY	ISM4114861	Fall Semester	48+103	0	9	
Prerequisites Courses						
Recommended Elective Courses						
Language of Instruction	English					
Course Level	First Cycle (Bachelor's Degree)					
Course Type	Practice					
Course Coordinator	Prof.Dr. Murat DAYANGAÇ, Assoc.Prof. Naciye Çiğdem ARSLAN					
Name of Lecturer(s)	Prof.Dr. Mustafa ÖNCEL, Assoc.Prof. Pelin BASIM, Prof.Dr. Fazlı Cem GEZEN, Assoc.Prof. Mehmet ŞEKER, Prof.Dr. Murat DAYANGAÇ, Assoc.Prof. Naciye Çiğdem ARSLAN, Assoc.Prof. Refik BADEMÇİ, Prof.Dr. Irmak DURUR SUBAŞI, Assist.Prof. Miraç İlker PALA, Prof.Dr. Naci KARACAOĞLAN, Lect.Dr. Nilüfer BAHADIRLI					
Assistant(s)	Prof.Dr. Mustafa ÖNCEL, Doç.Dr. Pelin BASIM, Prof.Dr. Fazlı Cem GEZEN, Doç.Dr. Mehmet ŞEKER, Prof.Dr. Murat DAYANGAÇ, Doç.Dr. Naciye Çiğdem ARSLAN, Doç.Dr. Refik BADEMÇİ, Prof.Dr. Irmak DURUR SUBAŞI, Dr.Öğr.Üye. Miraç İlker PALA, Doç.Dr. Fatma Ümit MALYA, Prof.Dr. Naci KARACAOĞLAN, Öğr.Gör.Dr. Nilüfer BAHADIRLI					
Aim	To give general information about general surgery, to be understood about pathophysiology of surgical diseases, diagnosis and treatment of injured patients.					
Course Content	This course contains; Constipation Non-Cancer Colon Diseases, Rectal Bleeding :Colorectal Polyps, Polyp-Cancer Process, Colorectal Cancers(Gastrointestinal system tumors),Dyspepsia: Peptic Diseases,Breast Discharge: Breast Diseases,Abdominal Wall/Groin Mass,Breast Lumps (2 hours),Neck Mass: Thyroid Tumors (2 hours),Biliary Colic:Cholecystitis, Cholelithiasis-(2 hours),Hepatomegaly: Space-occupying lesions of the liver-(2 hours),Abdominal mass 2/Jaundice (2 hours),Abdominal Pain 1-(2 hours),Acute apandicitis,Shock , Obesity,Abdominal Wall/Groin Mass,Abdominal Distention: Intestinal Obstructions, Ileus),Burns,Lower GI Bleeding,Wound healing,Malnutrition ,Dehydration-2 hours,Dysphagia:Diseases of Esophagus and Diaphragm ,Upper GI Bleeding ,Abdominal Mass 1/Disphagia,Abdominal Trauma ,Anorectal Pain Anorectal Diseases ,Venous Thrombo-embolism,SÜTUR MATERYALLERİ-(2 hours),WOUND HEALINGWOUND CARE-(2 hours),BURN-(2 hours),BENIGN-MALIGN SKIN TUMORS-(2 hours),FLEP-GREFT-(2 hours),HAND SURGERY-(2 hours),cleft palate-lip-(2 hours),MAXILLOFACIAL TRAUMAS.					
Course Learning Outcomes			Teaching Methods	Assessment Methods		
End of the courses students, will be informed about general information of general surgery will learn basis of pathology of surgery diseases will learn diagnostic of surgery diseases will learn treatment of surgery diseases will know basis of preoperative and postoperative treatment will learn approaching of trauma patient			10, 16, 9	A, D, H		
Knowledge - Physiology information regarding wound healing; anatomy, physiology and histology information about the liver, bile ducts, colorectal system, stomach and duodenum, appendix, thyroid, parathyroid and adrenal gland; Remembers anatomy information about the diaphragm, hiatus, small intestines, colon, anorectal region, abdominal wall and breast. In cases of neck mass, abdominal mass, acute abdomen, ileus, jaundice and anemia, he creates a differential diagnosis list using anamnesis, physical examination and tests, using effective communication methods. Explains and interprets the common clinical, laboratory and pathological findings of diseases and abdominal wall defects related to the breast, thyroid, parathyroid, adrenal glands, anorectal region, gastrointestinal system and hepatopancreaticobiliary system. Explains general epidemiological characteristics and preventive medicine practices regarding breast cancer, colorectal cancer and hepatocellular cancer. History of colorectal cancers, liver cancers and periampullary cancers, gastrointestinal system cancers and motility disorders, perianal abscess, thyroid cancer, achalasia, acute and chronic pancreatitis, acute appendicitis, acute cholecystitis, hyperthyroidism, hypoparathyroidism, pheochromocytoma, diverticular disease, gynecomastia and lymphedema, He considers the physical examination findings as a preliminary diagnosis and directs him to a specialist. Acute abdomen, ileus, lower and upper gastrointestinal tract bleeding, fluid and electrolyte balance disorders, shock, colorectal cancers, gastrointestinal tract cancers and motility disorders, perianal abscess, anal prolapse, thyroid cancer, achalasia, acute and chronic pancreatitis, acute appendicitis, acute It explains further examination and referral criteria for cholecystitis, hyperthyroidism, hypoparathyroidism, pheochromocytoma, diverticular disease, anal fistula, gynecomastia, nipple discharge, lymphedema, abdominal wall and inguinal hernias.	10, 16, 9		A, D, H			
Skill - Diagnoses anal fissure, hemorrhoids, anal abscess, anal prolapse, peptic ulcer, iron deficiency anemia, surgical site infections, breast infections, hypothyroidism, hyperthyroidism, hypoparathyroidism, provides counseling and monitoring by explaining the risk factors. It monitors hyperthyroidism, hypothyroidism and hypoparathyroidism, whose treatment is arranged, at the first step level. It explains the risk factors of obesity, goiter, gastroesophageal reflux and peptic ulcer diseases and measures to reduce their frequency, and provides consultancy services. He accepts that he should be an example to the society regarding obesity and the importance of fighting against obesity. He diagnoses hypothyroidism, hyperthyroidism, hypoparathyroidism, gastroesophageal reflux disease, peptic ulcer, iron deficiency anemia, hemorrhoids, anal fissure, goiter and dehydration by selecting appropriate diagnostic tests and plans the treatment within the scope of rational drug use principles. It diagnoses and provides emergency treatment for life-threatening acute abdomen, ileus, lower and upper gastrointestinal tract bleeding, fluid and electrolyte balance disorders, shock and abdominal trauma, and refers you to a specialist when necessary. Explains the clinical features of abdominal wall and inguinal hernias and plans their emergency treatment. Diagnoses and treats dehydration, iron deficiency anemia, hemorrhoids, anal fissure, goiter, gastroesophageal reflux and peptic ulcer. It examines the breast, thyroid (cervical region), anorectal region, abdominal region and hernia areas. At the end of this internship, students perform the following basic medical practices; Performs digital rectal examination, head and neck examination, abdominal examination, puts and removes superficial sutures, knows wound and burn care, and teaches breast self-examination. Evaluates general condition and vital signs, interprets screening and diagnostic examination results, and evaluates trauma severity scoring.	10, 16, 9		A, D, H			
Attitude - Uses diagnostic methods in steps from simple to complex. He is aware of the need to follow the current literature while practicing medicine and has an idea about how the scientific article he reads is evaluated. Understands the importance of multidisciplinary approach in oncological surgery and transplantation, diagnosis and treatment processes of diseases and post-treatment follow-up. While providing family medicine services, he/she recognizes and reports viral hepatitis and echinococcosis, which are notifiable diseases, at the primary care level.			10, 16, 9		A, D, H	
Teaching Methods	10: Discussion Method, 16: Question - Answer Technique, 9: Lecture Method					
Assessment Methods	A: Traditional Written Exam, D: Oral Exam, H: Performance Task					
Lecture Schedule						
Sequence	Topics	Preliminary Preparation				
1	Constipation Non-Cancer Colon Diseases	none				
2	Rectal Bleeding :Colorectal Polyps, Polyp-Cancer Process, Colorectal Cancers (Gastrointestinal system tumors)	none				
3	Dyspepsia: Peptic Diseases	none				

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Sequenc e	Topics	Preliminary Preparation
4	Breast Discharge: Breast Diseases	none
5	Abdominal Wall/Groin Mass	none
6	Breast Lumps (2 hours)	none
7	Neck Mass: Thyroid Tumors (2 hours)	none
8	Biliary Colic:Cholecystitis, Cholelithiasis-(2 hours)	none
9	Hepatomegaly: Space-occupying lesions of the liver-(2 hours)	none
10	Abdominal mass 2/Jaundice (2 hours)	none
11	Abdominal Pain 1-(2 hours)	none
12	Acute apandicitis	none
13	Shock	none
14	Obesity	none
15	Abdominal Wall/Groin Mass	none
16	Abdominal Distention: Intestinal Obstructions, Ileus)	none
17	Burns	none
18	Lower GI Bleeding	none
20	Wound healing	none
21	Malnutrition	none
22	Dehydration-2 hours	none
23	Dysphagia:Diseases of Esophagus and Diaphragm	none
24	Upper GI Bleeding	none
25	Abdominal Mass 1/Disphagia	none
26	Abdominal Trauma	none
27	Anorectal Pain Anorectal Diseases	none
28	Venous Thrombo-embolism	none
29	SÜTUR MATERYALLERİ-(2 hours)	none
30	WOUND HEALINGWOUND CARE-(2 hours)	none
31	BURN-(2 hours)	none
32	BENIGN-MALIGN SKIN TUMORS-(2 hours)	none
33	FLEP-GREFT-(2 hours)	none
34	HAND SURGERY-(2 hours)	none
35	cleft palate-lip-(2 hours)	none
36	MAXILLOFACIAL TRAUMAS	none
Evaluation Methods		Weight(%)
Midterm Exam		40
General Exam		60

Resources
schwartz general principles of surgery 10 th editionNelson Textbook of Pediatrics Pedyatri 1-2, Prof. Dr. Olcay NEYZİ, Prof. Dr. Türkan ERTUĞRUL