



**T.C.**

**ISTANBUL MEDİPOL UNIVERSITY  
INTERNATIONAL SCHOOL OF MEDICINE**



**GENERAL SURGERY CLERKSHIP GUIDE**

**2024 - 2025**

## **CLERKSHIP DESCRIPTION**

<b>Education Grade</b>	Year IV
<b>Clerkship Duration</b>	5 Weeks
<b>Training Place</b>	Medipol Mega University Hospital
<b>Instructors</b>	<ul style="list-style-type: none"><li>• Prof. Dr. Mustafa ONCEL</li><li>• Prof. Dr. Fazlı Cem GEZEN</li><li>• Prof. Dr. Murat DAYANGAÇ</li><li>• Assoc. Prof. Dr. Cigdem ARSLAN</li><li>• Assoc. Prof. Dr. Pelin BASIM</li><li>• Assoc. Prof. Dr. Refik Bademci</li><li>• Asist. Prof. Dr. Mirac Ilker Pala</li></ul>
<b>The Head Instructor</b>	<ul style="list-style-type: none"><li>• Assoc. Prof. Dr. Cigdem Arslan</li></ul>

### **THE AIM OF GENERAL SURGERY CLERKSHIP**

After completion of clerkship period, medical student recognizes and treats common diseases associated with the abdomen, breast, and thyroid in adult patients; suspects rarer diseases and refers them to relevant specialist. In case of life-threatening emergency situations, she/he makes the diagnosis, performs emergency treatment, and refers the patient to the specialist as necessary. She/he performs examination of the breast, cervical region, anorectal region, abdomen, and hernia regions. She/he applies wound and burn care.

#### **Learning Methods:**

- Theoretical Course (Online – Face to Face)
- Practical Training on mannequin
- Clinical training/Outpatient clinic/Operating Room Practice
- Critically appraisal of the literature
- Case Discussion

## THE LEARNING OBJECTIVES OF GENERAL SURGERY CLERKSHIP

	Course Name	Learning Goals	Hours	Level of Learning
1-	<b>Evidence-based surgery - Prof. Dr. Mustafa Öncel</b>		1	
		Reviews a medical article		PreD
		Criticizes clinical applications in consideration of scientific evidence		PreD
2-	<b>Rectal bleeding: Colorectal tumors - Prof. Dr. Mustafa Öncel</b>		1	
		Sorts symptoms and findings in rectal bleeding.		PreD-P
		Explains the relationship between iron deficiency anemia and colon cancer.		PreD-P
		Describes the diagnosis and differential diagnosis steps in rectal bleeding.		PreD-P
		Sorts the risk factors for colorectal cancers.		PreD-P
		Explains the principles of screening in colorectal cancer.		PreD-P
		Describes clinical findings according to the location of the tumor and diagnostic approaches in colorectal cancer		PreD
3-	<b>Abdominal traumas: Crush injury and tetanus - Prof. Dr. Cem Gezen</b>		1	
		Describes the clinical characteristics of blunt and penetrating abdominal trauma.		E
		Describes the diagnostic methods in blunt and penetrating abdominal trauma.		E
		Explains the principles of emergency approach in blunt and penetrating abdominal trauma.		E
		Explains the approach of non-operative treatment in blunt and penetrating abdominal trauma.		E
		Sorts out the indications of an emergency laparotomy.		E
		Describes tetanus prophylaxis in a traumatized patient.		E
		Identifies crush injury and sorts out its complications.		E
4-	<b>Abdominal pain 2: Pancreatitis - Prof. Dr. Cem Gezen</b>		1	
		Describes etiology, symptoms and findings of acute pancreatitis		E
		Classifies acute pancreatitis		E
		Describes the diagnostic tools in acute biliary pancreatitis		E
		Describes emergency treatment in acute biliary pancreatitis		E
		Describes symptoms and findings of chronic pancreatitis		PreD-P
		Describes differential diagnosis in chronic pancreatitis		PreD-P
		Understands the etiology of chronic pancreatitis and prevention measures		PreD-P
5-	<b>Breast Mass: Breast Diseases and Tumors - Prof. Dr. Cem Gezen</b>		2	
		Describes the symptoms and characteristics of breast diseases (pain, discharge, mass)		PreD-P
		Sorts benign and proliferative lesions of the breast		PreD-P
		Describes screening methods for breast cancer.		PreD-P
		Describes the symptoms and findings of breast cancer.		PreD-P
		<b>Explains the principles of breast examination.</b>		PreD-P
		Sorts diagnostic methods in breast cancer.		PreD-P
		Classifies breast cancers.		PreD-P
6-	<b>Abdomen/Groin Mass: Abdominal wall defects and inguinal hernias - Prof. Dr. Cem Gezen</b>		1	
		Recalls the anatomy of the anterior abdominal wall and the inguinal region.		D-E
		Describes the terminology for hernias.		D-E
		Explains the risk factors and symptomatology of abdominal wall hernias.		D-E
		Describes physical examination findings of abdominal wall hernias.		D-E
		Describes differential diagnosis and diagnostic tools in abdominal wall hernias.		D-E
		Describes emergencies and management of abdominal wall hernias.		D-E
7-	<b>Biliary Colic: Cholecystitis, Cholelithiasis - Prof. Dr. Murat Dayangac</b>		2	
		Understand the anatomy of liver and the biliary system		PreD
		Discuss the role of diagnostic interventions and imaging in the evaluation of hepatobiliary diseases		PreD
		Describe how to differentiate medical and surgical causes of jaundice		PreD
		Describe the signs and symptoms related to hepatobiliary diseases		PreD
		Discuss the etiology, presentation, and diagnostic strategy of patients presenting with gallstone disease and understand the referral strategy in such patients		PreD
		Discuss the etiology, presentation, and diagnostic strategy of patients presenting with cholangitis and		PreD

	understand the referral strategy in such patients		
<b>8-</b>	<b>Hepatomegaly: Liver masses and portal hypertension - Prof. Dr. Murat Dayangac</b>	2	
	Recalls the anatomy of hepatopancreatobiliary system		PreD-P
	Discuss the most frequently encountered benign hepatic tumors and their management		PreD-P
	Discuss the most frequently encountered malignant hepatic tumors and their management		PreD-P
	Discuss the role of chronic liver disease causing cirrhosis and increasing the risk for hepatobiliary cancer		PreD-P
	Discuss the symptomatology of space occupying liver lesions		PreD-P
	Discuss the role of imaging and other diagnostic interventions in the evaluation of liver lesions		PreD-P
	Discuss the symptoms and signs related to portal hypertension.		PreD
	Discuss the mechanism and differential diagnosis of ascites.		D
<b>9-</b>	<b>Abdominal Mass 2: Jaundice - Prof. Dr. Murat Dayangac</b>	2	
	Describe how to differentiate medical and surgical causes of jaundice		PreD-P
	Discuss the role of radiologic-radio nucleotide imaging, and diagnostic interventions in the evaluation of obstructive jaundice		PreD-P
	List the periampullary processes causing obstructive jaundice		PreD-P
	Explain the role of endoscopy and interventional radiology in the management of obstructive jaundice		PreD-P
	Understands when to obtain surgical consultation		PreD-P
<b>10-</b>	<b>Abdominal Pain 1: Acute abdomen Syndrome and Peritonitis - Assoc. Prof. Dr. Çiğdem Arslan</b>	2	
	Explains the pathophysiology of peritonitis and the causes of peritonitis.		E
	Explains the pathophysiology of abdominal pain.		E
	<b>Explains the principles of abdominal examination.</b>		E
	Sorts the differential diagnosis in the patient with abdominal pain.		E
	Sorts diagnostic tools in acute abdomen.		E
	Describes risk management in abdominal pain		E
	Sorts the steps of non-operative/preoperative emergency treatment in acute abdomen.		E
<b>11-</b>	<b>Abdominal mass 1/ Dysphagia 1: Esophagus and gastric cancer - Assoc. Prof. Dr. Çiğdem Arslan</b>	1	
	Classifies benign and malignant tumors of the esophagus and stomach		PreD-P
	Sorts epidemiology and etiological factors in malignant tumors of the esophagus and stomach		PreD-P
	Describes clinical findings of esophageal and stomach cancer		PreD-P
	Describes diagnostic and staging tools for esophageal and stomach cancer		PreD-P
<b>12-</b>	<b>Abdominal distention: Ileus, invagination and abdominal compartment syndrome -Assoc. Prof. Dr. Çiğdem Arslan</b>	1	
	Describes symptoms and findings of intestinal obstruction		E
	Defines the etiology and differential diagnosis of intestinal obstruction		E
	Describes the diagnostic methods in intestinal obstruction		E
	Describes emergency management in intestinal obstruction		E
	Describes pathogenesis, symptoms, clinical manifestations and emergency treatment approach in abdominal compartment syndrome		E
	Describes pathogenesis, symptoms, clinical manifestations and emergency treatment approach in invagination and volvulus		E
<b>13-</b>	<b>Wound healing and care - Assoc. Prof. Dr. Çiğdem Arslan</b>	1	
	Recalls the steps and pathophysiology of wound healing		Pre-D
	Describes the diagnosis and treatment of skin and soft tissue infections and abscesses.		DT-P
	Describes the steps of opening an abscess.		DT-P
	Sorts wound classification.		DT-P
	Describes and classifies surgical site infections.		DT-P
	Describes the risk factors and prevention of surgical site infections		DT-P
	Describes the emergency management of emphysematous gangrene in the emergency room.		E
<b>14-</b>	<b>Weight Loss: Malnutrition -Assoc. Prof. Dr. Çiğdem Arslan</b>	1	

	Defines nutrition and list the types of nutrition		
	Determines the patient under nutritional risk		DT-P-FU
	Describes screening of malnutrition and assessment tools		DT-P-FU
	Sorts the indications and complications of enteral nutrition		DT-P-FU
	Sort the indications and complications of total parenteral nutrition		DT-P-FU
	Manages nutrition and calorie intake in surgical patient		DT-P-FU
	<b>15- Dehydration: Fluid and electrolyte balance disorders, acid-base balance disorders - Assoc. Prof. Dr. Pelin Basim</b>	2	
	Describes the diagnosis of dehydration		DT-E-P
	Describes first-line management of dehydration.		DT-E-P
	Describes how to prevent dehydration		DT-E-P
	Identifies common electrolyte disorders in surgical patients, describes first-line treatment in emergency situations		D-E-P
	Explains the approach to acid-base balance disorders in emergency situations.		E
	Perform blood gas analysis		E
	<b>16- Dysphagia 2: Esophagus and Diaphragm Diseases - Assoc. Prof. Dr. Pelin Basim</b>	1	
	Recalls the surgical anatomy of the esophagus, diaphragm and hiatal area		PreD
	Sorts the symptoms of diseases of the esophagus, diaphragm and hiatal area		PreD
	Sorts differential diagnosis in esophagus diverticula and hiatal hernia		PreD
	<b>17- Acute Appendicitis - Assoc. Prof. Dr. Pelin Basim</b>	1	
	Describes the pathophysiology and epidemiology of acute appendicitis.		E
	Explains the symptoms and examination findings in acute appendicitis		E
	Discuss assessment and diagnostic findings of acute appendicitis		E
	Distinguish the clinical manifestations of acute appendicitis		E
	Simply describe the medical and surgical treatment of the concerned patient.		E
	Evaluate the complications of acute appendicitis		E
	<b>18- Abdominal pain 3: Diverticular diseases - Assoc. Prof. Dr. Pelin Basim</b>	1	
	Defining diverticular disease and its etiology, epidemiology and prevalence		PreD
	Understanding clinical presentation of diverticular disease and its complications		PreD
	Describing imaging findings of diverticular disease and diverticulitis		PreD
	Determining management options of diverticular disease and its complications		D-E
	<b>19 - Dyspepsia: Peptic Diseases (Ulcer, Gastritis and Gastroesophageal reflux disease Assoc. Prof. Dr. Pelin Basim</b>	1	
	Describes the definition and diagnostic methods in PU and GERD		DT-P-FU
	Explains the principles of emergency approach in PU and GERD		D-E
	Explains the approach of non-operative treatment in PU and GERD		DT-E
	Sorts out the indications of an emergency laparotomy.		E
	<b>20- Obesity - Assoc. Prof. Dr. Miraç İlker Pala</b>	1	
	Explains the relationship between metabolic syndrome and obesity		D-P-FU
	<b>21- - Neck Mass: Thyroid and Parathyroid Diseases - Assoc. Prof. Dr. Miraç İlker Pala</b>	2	
	<b>Explains the principles of neck examination.</b>		D-P-FU
	Explains the pathophysiology of goiter.		D-P-FU
	Sorts goiter symptoms and findings.		D-P-FU
	Describes the diagnosis and differential diagnosis in goiter.		D-P-FU
	Explains the risk factors for goiter and its relationship to iodine deficiency.		D-P-FU
	Sorts the symptoms and findings of parathyroid diseases.		PreD
	Explains the diagnostic approach in parathyroid diseases.		PreD
	Identifies the risk factors for cancer in thyroid nodules.		PreD

	Describes the incidence and risk factors of thyroid tumors.		PreD
	Explains the symptoms and clinical manifestations of thyroid tumors.		PreD
	Sorts the symptoms and clinical manifestations of hypothyroidism.		DT-FU
	Explains the treatment of hypothyroidism and the principles of follow-up.		DT-FU
<b>22 – Lower gastrointestinal bleeding- Assoc. Prof. Dr. Miraç İlker Pala</b>		1	
	To be able to explain the etiology and symptoms in LGIB.		PreD
	To able to describe diagnosis and differential diagnosis methods in LGIB.		PreD
	To able to explain the management and resuscitation of LGIB.		D-E
<b>23 -Shock: Sepsis and Coma - Assoc. Prof. Dr. Refik Bademci</b>			
	Describes the signs and findings in shock Indicates the pathophysiology and mechanisms of shock		E
	Determines the type of shock and make differential diagnosis		E
	Utilize clinical and laboratory indicators to guide urgent management Performs emergency management of patient in shock		E
<b>24 - Upper gastrointestinal bleeding - Assoc. Prof. Dr. Refik Bademci</b>		1	
	Describes the management in upper GI bleeding Explains the relationship between upper GI bleeding and iron deficiency anemia		D-E
	Describes resuscitation and monitoring methods in the bleeding patient		D-E
	Explains the methods used in diagnosis. Describes the differential diagnosis in upper GI bleeding		D-E
<b>25 - Anorectal pain: Benign anorectal diseases - Assoc. Prof. Dr. Refik Bademci</b>		1	
	<b>Describes the principles of perianal examination</b>		D
	Sorts the symptoms and findings of perianal abscess		D
	Explains diagnostic methods and differential diagnosis of perianal abscesses		D
	Describes the pathophysiology of anal fissure		DT
	Sorts symptoms and findings of anal fissure. Describes the treatment of anal fissure. Describes the symptoms and classification of hemorrhoidal disease.		DT
	Explains diagnostic methods and differential diagnosis of hemorrhoids Describes the medical treatment of hemorrhoids Describes the pathophysiology, risk factors and prevention of hemorrhoids		DT
<b>26 -Venous Thrombo-embolism - Assoc. Prof. Dr. Refik Bademci</b>		1	
	Sorts the risk factors for pulmonary embolism and deep vein thrombosis.		E-P-FU
	Describes pulmonary embolism and deep vein thrombosis prophylaxis. Explains the clinical findings and physical examination in deep vein thrombosis.		E-P-FU
	Describes the emergency management in pulmonary embolism Explains the principles of follow-up in pulmonary embolism.		E-P-FU

## THE LEARNING OBJECTIVES WITH QUALIFICATIONS AND KEY ROLES

LEARNING OBJECTIVES	RELATED PROGRAM QUALIFICATIONS	BASIC ROLE	TEPDAD GENERAL MEDICAL SKILLS
		R1- Medical Doctor R2-Team Employee R3- Communicator R4-Leader R5-Health Advocate R6-Scientist R7-Professional	MS1- Analytical and Critical Thinking MS2-Clinical Inquiry-Reasoning MS3-Problem Solving MS4-Accessing and Using Information MS5-Lifelong Learning MS6-Communication and Team Work
Recalls physiology of wound healing; anatomy, physiology and histology of liver, bile ducts, colorectal system, stomach and duodenum, appendix, thyroid, parathyroid and adrenal gland; Remembers anatomy of diaphragm, hiatus, small intestines, colon, anorectal region, abdominal wall, and breast.	PQ1	R1	MS4, MS5
Creates a differential diagnosis list for Neck Mass, mass in the abdomen, acute abdomen, ileus, jaundice and anemia regarding anamnesis, physical examinations, and diagnostic tools.	PQ2, PQ6, PQ14	RI, R3, R7,	MS1, MS2, MS3, MS6
Explains the common clinical, laboratory and pathological findings of breast, thyroid, parathyroid, adrenal, anorectal, gastrointestinal and hepatopancreatobiliary system related diseases and abdominal wall defects.	PQ1, PQ2, PQ14	RI, R7	MS1, MS2, MS3,
Explains the general epidemiological characteristics and preventive medicine practices related to breast cancer, colorectal cancer, and hepatocellular cancer.	PQ3, PQ10, PQ14	RI, R5	MS4, MS5
Suspects the pre-diagnose of colorectal cancers, liver cancers and periampullary cancers, gastrointestinal tract cancers and motility disorders, perianal abscess, thyroid cancer, acacia, acute and chronic pancreatitis, acute appendicitis, acute cholecystitis, hyperthyroidism, hypoparathyroidism, pheochromocytoma, diverticular disease, gynecomastia, lymphedema, and anemia. Refers the patient to relevant specialist in the light of physical examination findings.	PQ1, PQ2, PQ4, PQ5, PQ6, PQ7, PQ14	R1, R2, R7	MS1, MS2, MS3, MS6

LEARNING OBJECTIVES	RELATED PROGRAM QUALIFICATIONS	BASIC ROLE	TEPDAD GENERAL MEDICAL SKILLS
		R1- Medical Doctor R2- Team Employee R3- Communicator R4-Leader R5-Health Advocate R6-Scientist R7-Professional	MS1- Analytical and Critical Thinking MS2-Clinical Inquiry-Reasoning MS3-Problem Solving MS4-Accessing and Using Information MS5-Lifelong Learning MS6-Communication and Team Work
Explains the criteria for further examination and performs relevant referral for Acute abdomen, ileus, bleeding of the lower and upper gastrointestinal tract, fluid and electrolyte balance disorders, shock, colorectal cancers, gastrointestinal tract cancers and motility disorders, perianal abscess, anal prolapse, thyroid cancer, acacia, acute and chronic pancreatitis, acute appendicitis, acute cholecystitis, hyperthyroidism, hypoparathyroidism, pheochromocytoma, diverticular disease, anal fistula, gynecomastia, nipple discharge, lymphedema, abdominal wall and inguinal hernias.	PQ1, PQ2, PQ5, PQ6,PQ7, PQ14	R1, R3	MS6
Explains the risk factors; performs counseling and follow-up of anal fissure, hemorrhoids, anal abscess, anal prolapse, peptic ulcer, iron deficiency diagnoses anemia, surgical field infections, breast infections, hypothyroidism, hyperthyroidism, hypoparathyroidism,	PQ1, PQ2, PQ3, PQ5, PQ6, PQ7, PQ8, PQ14	R1, R3, R7	MS1, MS2, MS3, MS6
Performs the primary care level follow-up of regulated hyperthyroidism, hypothyroidism, and hypoparathyroidism	PQ2, PQ4, PQ14	R1, R2	MS4, MS6
Explains the risk factors and measures to reduce the prevalence of obesity, goiter, gastroesophageal reflux, and peptic ulcer diseases and provides counseling for them.	PQ3, PQ4, PQ8, PQ14	R1, R5	MS4, MS6
Embraces the importance of fighting against obesity and be a role model to the society in preventing obesity.	PQ3, PQ8, PQ12, PQ14	R4, R5	MS4, MS6
Diagnosis hypothyroidism, hyperthyroidism, hypoparathyroidism, gastroesophageal reflux disease, peptic ulcer, iron deficiency anemia, hemorrhoids, anal fissure, goiter, and dehydration by selecting the appropriate diagnostic tests and plans the treatment within the scope of rational drug use principles.	PQ1, PQ2, PQ6, PQ7, PQ11, PQ14, PQ18	R1, R5, R7	MS1, MS2, MS3, MS6



LEARNING OBJECTIVES	RELATED PROGRAM QUALIFICATIONS	BASIC ROLE	TEPDAD GENERAL MEDICAL SKILLS
		R1- Medical Doctor R2- Team Employee R3- Communicator R4-Leader R5-Health Advocate R6-Scientist R7-Professional	MS1- Analytical and Critical Thinking MS2-Clinical Inquiry-Reasoning MS3-Problem Solving MS4-Accessing and Using Information MS5-Lifelong Learning MS6-Communication and Team Work
Diagnoses life-threatening acute abdomen, ileus, lower and upper gastrointestinal bleeding, fluid and electrolyte disorders, shock and abdominal traumas and refers to the specialist in accordance with its emergency treatment. Explains the clinical properties of abdominal wall and groin hernias and plans emergency treatment.	PQ1, PQ2, PQ6, PQ7, PQ11, PQ14	R1	MS1, MS2, MS3, MS6
Diagnoses and treats dehydration, iron deficiency anemia, hemorrhoids, anal fissure, goiter, gastroesophageal reflux, and peptic ulcers.	PQ1, PQ2, PQ3, PQ6, PQ7, PQ11, PQ14	R1, R5	MS1, MS2, MS3, MS6
Performs physical examination of breast, thyroid (cervical region), anorectal region and abdomen and hernia regions	PQ1, PQ2, PQ6, PQ7	R1, R3, R7	MS2, MS6
At the end of this clerkship, students perform the following basic medical practices; Performs digital rectal examinations, head-neck examinations, abdominal examinations, puts and removes superficial sutures, knows wound and burn care, teaches self-breast examination. Evaluates general condition and vital findings, interprets the results of screening and diagnostic examination, trauma severity scoring.	PQ1, PQ6, PQ11,	R1, R3, R7	MS2, MS6
Uses diagnostic methods in a stepwise model from simple to complex.	PQ1, PQ2, PQ7, PQ18	R1, R5, R7	MS1, MS2, MS3
Follows the current literature and critically appraisal of scientific articles.	PQ4, PQ13, PQ16	R1, R3, R7	MS4, MS5
Understands the importance of multidisciplinary approach in diagnosis, treatment, and follow-up care after treatment of diseases in oncological surgery and transplantation.	PQ14, PQ20	R2, R4, R7	MS6

When carrying out family medicine service, recognizes and reports hepatitis and echinococcosis at the primary level.	PQ8, PQ14, PQ18,	R1, R2, R7	MS6
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## THE TABLE OF CORE TRAINING PROGRAM FOR GENERAL SURGERY CLERKSHIP

Symptoms/Conditions	Core diseases/Clinical Problems	Learning Levels	Year IV Course Name	Measurement-Evaluation
<b>Dry mouth</b>	Dehydration	DT-E-P	Dehydration: Fluid and Electrolyte Balance Disorders, Acid-Base Balance Disorders	Oral-Written
<b>Anemia</b>	Iron deficiency anemia	DT-E-P-FU	1. Rectal Bleeding: Colorectal tumors 2. Mass in the abdomen 1/Dysphagia: Tumors of the gastrointestinal tract 3. Weight loss: Malnutrition	Oral-Written
	Malnutrition	DT-P	Weight loss: Malnutrition	Oral-Written
	Lower gastrointestinal bleeding	D-E	1. Rectal Bleeding: Colorectal tumors 2. Lower GI Hemorrhages 3. Anorectal Pain: Benign Anorectal Diseases	Oral-Written
	Upper gastrointestinal bleeding	D-E	1. Upper GI Hemorrhages 2. Mass in the abdomen 1/Dysphagia: Tumors of the gastrointestinal tract	Oral-Written
<b>Anorectal pain</b>	Anal fissure	DT	Anorectal Pain: Benign Anorectal Diseases	Oral-Written
	Tumors of the gastrointestinal tract	PreT-P	1. Rectal Bleeding: Colorectal tumors	Oral-Written
	Hemorrhoids	DT-P	Anorectal Pain: Benign Anorectal Diseases	Oral-Written
	Perianal apse	D	Anorectal Pain: Benign Anorectal Diseases	Oral-Written
<b>Anuria- oliguria</b>	Crush injury	D-E-P	Abdominal Traumas: Crush Injury and Tetanus	Oral-Written
	Dehydration	DT-E-P	Dehydration: Fluid and Electrolyte Balance Disorders, Acid-Base Balance Disorders	Oral-Written
	Fluid and electrolyte disorders	D-E-P	Dehydration: Fluid and Electrolyte Balance Disorders, Acid-Base Balance Disorders	Oral-Written

	Shock	E	Shock: Sepsis and Coma	Oral-Written
	Burns	DT-E	Burn	Oral-Written
<b>Fever</b>	Dehydration	DT-E-P	Dehydration: Fluid and Electrolyte Balance Disorders, Acid-Base Balance Disorders	Oral-Written
	Emphysematous gangrene	E	Wound Healing and Care	Oral-Written
	Sepsis	E	Shock: Sepsis and Coma	Oral-Written
<b>Headache</b>	Dehydration	DT-E-P	Dehydration: Fluid and Electrolyte Balance Disorders, Acid-Base Balance Disorders	Oral-Written
<b>Back and lower back pain</b>	Trauma and injuries	E	Abdominal Traumas: Crush Injury and Tetanus	Oral-Written
<b>Alteration of consciousness</b>	Acid-base balance disorders	E	Dehydration: Fluid and Electrolyte Balance Disorders, Acid-Base Balance Disorders	Oral-Written
<b>Alteration of consciousness</b>	Cardio-pulmonary arrest	E	Shock: Sepsis and Coma	Oral-Written
	Coma	E	Shock: Sepsis and Coma	Oral-Written
	Fluid and electrolyte disorders	D-E-P	Dehydration: Fluid and Electrolyte Balance Disorders, Acid-Base Balance Disorders	Oral-Written
	Shock	E	Shock: Sepsis and Coma	Oral-Written
<b>Cognitive impairments/amnesia</b>	Hypothyroidism	DT-FU	Neck Mass: Thyroid and Parathyroid Diseases	Oral-Written
<b>Sore throat</b>	Gastro-esophageal reflux	DT-P-FU	Mass in the Neck: Thyroid and Parathyroid Diseases	Oral-Written
<b>Neck pain</b>	Thyroiditis	PreD	Neck Mass: Thyroid and Parathyroid Diseases	Oral-Written
<b>Neck Mass</b>	Goiter	D-P-FU	Neck Mass: Thyroid and Parathyroid Diseases	Oral-Written
	Thyroid tumors	PreD	Neck Mass: Thyroid and Parathyroid Diseases	Oral-Written
<b>Nausea, vomiting</b>	Acute Abdominal Syndrome	D-E	Abdominal Pain I: Acute abdomen Syndrome and Peritonitis	Oral-Written

	Acute pancreatitis	E	1. Abdominal Pain 1: Acute abdomen Syndrome and Peritonitis 2. Abdominal Pain 2: Pancreatitis	Oral-Written
	Appendicitis	E	1. Abdominal Pain 1: Acute abdomen Syndrome and Peritonitis 2. Acute Appendicitis	Oral-Written
	Gastro-esophageal reflux	DT-P-FU	1. Dysphagia: Esophagus and Diaphragm and Diseases 2. Peptic Diseases (Ulcer, Gastritis) and Gastroesophageal reflux disease (GERD)	Oral-Written
	Ileus	E	Abdominal Distention: Ileus, Invagination and Abdominal Compartment Syndrome	Oral-Written
	Invagination	E	Abdominal Distention: Ileus, Invagination and Abdominal Compartment Syndrome	Oral-Written
	Cholecystitis, cholelithiasis	PreD	1. Abdominal Pain 1: Acute abdomen Syndrome and Peritonitis 2. Biliary Colic: Cholecystitis, Cholelithiasis	Oral-Written
	Pylorus stenosis	PreD	Peptic Diseases (Ulcer, Gastritis) and Gastroesophageal reflux disease (GÖRH)	Oral-Written
	Upper gastrointestinal bleeding	D-E	1. Upper GI Hemorrhages 2. Mass in the abdomen 1/Dysphagia: Tumors of the gastrointestinal tract	Oral-Written
<b>Growth-development retardation</b>	Hypothyroidism	DT-FU	Neck Mass: Thyroid and Parathyroid Diseases	Oral-Written
	Malabsorption	PreD	Abdominal Pain 2: Pancreatitis	Oral-Written
	Malnutrition	DT-P-FU	Weight loss: Malnutrition	Oral-Written
<b>Sexual function disorders</b>	Hypothyroidism	DT-FU	Neck Mass: Thyroid and Parathyroid Diseases	Oral-Written
Palpitation			See anemia	Oral-Written
	Hyperthyroidism	D-E-FU	Neck Mass: Thyroid and Parathyroid Diseases	Oral-Written
	Thyroiditis	PreD	Neck Mass: Thyroid and Parathyroid Diseases	Oral-Written
<b>Skin rashes / Lesions (Maculopapular, bullous, etc.)</b>	Emphysematous gangrene	E	Wound Healing and Care	Oral-Written
<b>Skin and appendix changes (Dryness,</b>	Malnutrition	DT-P-	Weight loss: Malnutrition	Oral-Written

<b>discoloration, etc.)</b>		FU		
	Varicose vein/venous insufficiency in the extremity	PreT-P	Venous Thrombo-embolism	Oral-Written
	Chronic hepatitis	PreT-P	Hepatomegaly: Liver Masses and Portal Hypertension	Oral-Written
<b>Dyspepsia</b>	Cholecystitis, cholelithiasis	PreD	Biliary Colic: Cholecystitis, Cholelithiasis	Oral-Written
	Malabsorption	PreD	1. Weight loss: Malnutrition 2. Abdominal Pain 2: Pancreatitis	Oral-Written
	Peptic diseases (ulcer, gastritis)	DT-P	1. Dyspepsia: Peptic Diseases (Ulcer, Gastritis) and Gastroesophageal reflux disease 2. Mass in the abdomen 1/Dysphagia: Tumors of the gastrointestinal tract	Oral-Written
<b>Dyspnea</b>	Diaphragmatic hernias	PreD	Dysphagia: Esophagus and Diaphragms and Diseases	Oral-Written
	Pulmonary embolism	E-P-FU	Venous Thrombo-embolism	Oral-Written
<b>Diarrhea</b>	Tumors of the gastrointestinal tract	PreT-P	1. Mass in the abdomen 1/Dysphagia: Tumors of the gastrointestinal tract 2. Rectal Bleeding: Colorectal tumors	Oral-Written
	Hyperthyroidism	D-E-FU	Neck Mass: Thyroid and Parathyroid Diseases	Oral-Written
	Disorders of the gastrointestinal tract	PreD	1. Dysphagia: Esophagus and Diaphragm and Diseases 2. Constipation: GI Motility Disorders and Diverticular Diseases	Oral-Written
	Chronic pancreatitis	PreT-P	Abdominal Pain 2: Pancreatitis	Oral-Written
	Malabsorption	PreD	Abdominal Pain 2: Pancreatitis	Oral-Written
<b>Mood change</b>	Hypothyroidism	DT-FU	Neck Mass: Thyroid and Parathyroid Diseases	Oral-Written
<b>Chest pain</b>	Gastro-esophageal	DT-P-FU	Dyspepsia: Peptic Diseases (Ulcer, Gastritis) and Gastroesophageal reflux disease	Oral-Written

	Peptic diseases (ulcer, gastritis)	DT-P	Dyspepsia: Peptic Diseases (Ulcer, Gastritis) and Gastroesophageal reflux disease	Oral-Written
	Pulmonary embolism	E-P-FU	Venous Thrombo-embolism	Oral-Written
<b>Fatigue</b>	Lower gastrointestinal bleeding	D-E	Lower GI Hemorrhages	Oral-Written
	Dehydration	DT-E-P	Dehydration: Fluid and Electrolyte Balance Disorders, Acid-Base Balance Disorders	Oral-Written
	Anemia-titled diseases			Oral-Written
	Cancer/tumor head diseases			Oral-Written
	Fluid and electrolyte disorders	D-E-P	Dehydration: Fluid and Electrolyte Balance Disorders, Acid-Base Balance Disorders	Oral-Written
	Hypothyroidism	DT-FU	Neck Mass: Thyroid and Parathyroid Diseases	Oral-Written
<b>Hematochesia/ anorectal bleeding</b>	Lower gastrointestinal bleeding	D-E	Lower GI Hemorrhages	Oral-Written
	Anal fissure	DT	Anorectal Pain: Benign Anorectal Diseases	Oral-Written
	Diverticular diseases	PreD	Constipation: GI Motility Disorders and Diverticular Diseases	Oral-Written
	Tumors of the gastrointestinal tract	PreT-P	1. Rectal Bleeding: Colorectal tumors 2. Mass in the abdomen 1/Dysphagia: Tumors of the gastrointestinal tract	Oral-Written
	Hemorrhoids	DT-P	Anorectal Pain: Benign Anorectal Diseases	Oral-Written
	Invagination	E	Abdominal Distention: Ileus, Invagination and Abdominal Compartment Syndrome	Oral-Written
<b>Hemoptysis</b>	Pulmonary embolism	E-P-FU	Venous Thrombo-embolism	Oral-Written
<b>Hepatomegaly</b>	Tumors of the gastrointestinal tract	PreT-P	1. Rectal Bleeding: Colorectal tumors 2. Mass in the abdomen 1/Dysphagia: Tumors of the gastrointestinal tract	Oral-Written

			3. Hepatomegaly: Liver Masses and Portal Hypertension	
	Hepatosteatorosis	PreD	Hepatomegaly: Liver Masses and Portal Hypertension	Oral-Written
	Heart failure	D-E-P-FU	Hepatomegaly: Liver Masses and Portal Hypertension	Oral-Written
	Cyst Hydatid disease	PreT-P	Hepatomegaly: Liver Masses and Portal Hypertension	Oral-Written
	Chronic hepatitis	PreT-P	Hepatomegaly: Liver Masses and Portal Hypertension	Oral-Written
	Lymphoproliferative diseases	PreD	Hepatomegaly: Liver Masses and Portal Hypertension	Oral-Written
	Obesity	D-P'FU	Obesity	Oral-Written
<b>Hyperactivity</b>	Hyperthyroidism	D-E-FU	Neck Mass: Thyroid and Parathyroid Diseases	Oral-Written
<b>Hypertension</b>	Hyperthyroidism	D-E-FU	Neck Mass: Thyroid and Parathyroid Diseases	Oral-Written
	Metabolic syndrome	D-P-FU	Obesity	Oral-Written
	Obesity	D-P'FU	Obesity	Oral-Written
	Secondary hypertension	PreD	Obesity	Oral-Written
<b>Hypotension</b>	Dehydration	DT-E-P	1. Dehydration: Fluid and Electrolyte Balance Disorders, Acid-Base Balance Disorders Shock 2: Sepsis and Coma	Oral-Written
	Shock	E	Shock: Sepsis and Coma	Oral-Written
<b>Hypothermia/ hyperthermia</b>	Hyperthyroidism	D-E-FU	Neck Mass: Thyroid and Parathyroid Diseases	Oral-Written
	Hypothyroidism	DT-FU	Neck Mass: Thyroid and Parathyroid Diseases	Oral-Written
	Sepsis	E	Shock: Sepsis and Coma	Oral-Written
	Burns	DT-E	Burn	Oral-Written
<b>Snoring</b>	Obesity	D-P'FU	Obesity	Oral-Written
<b>Infertility (male,</b>	Hypothyroidism	DT-FU	Neck Mass: Thyroid and Parathyroid Diseases	Oral-Written



<b>female)</b>				
<b>Immobilization</b>	Obesity	D-P'FU	Obesity	Oral-Written
	Trauma and injuries	E	Shock 1: Sepsis and Coma 2. Abdominal Traumas: Crush Injury and Tetanus	Oral-Written
<b>Appetite Disorders</b>	Cancer, tumor-headed diseases			Oral-Written
	Cirrhosis of the liver	PreT-P	Hepatomegaly: Liver Masses and Portal Hypertension	Oral-Written
	Malnutrition	DT-P-FU	Weight loss: Malnutrition	Oral-Written
<b>Gynecomastia</b>	Breast diseases and tumors	PreT-P	Breast Mass: Breast Diseases and Tumors	Oral-Written
<b>Constipation</b>	Diverticular diseases	PreD	Constipation: GI Motility Disorders and Diverticular Diseases	Oral-Written
	Disorders of the gastrointestinal tract	PreD	Constipation: GI Motility Disorders and Diverticular Diseases	Oral-Written
	Tumors of the gastrointestinal tract	PreT-P	Rectal Bleeding: Colorectal tumors	Oral-Written
	Hypothyroidism	DT-FU	Neck Mass: Thyroid and Parathyroid Diseases	Oral-Written
<b>Bleeding tendency</b>	Cirrhosis of the liver	PreT-P	Hepatomegaly: Liver Masses and Portal Hypertension	Oral-Written
	Acute abdomen Syndrome	D-E	Abdominal Pain 1: Acute abdomen Syndrome and Peritonitis	Oral-Written
	Acute pancreatitis	E	Abdominal Pain 2: Pancreatitis	Oral-Written
	Appendicitis	E	Acute Appendicitis	Oral-Written
	Diverticular diseases	PreD	Constipation: GI Motility Disorders and Diverticular Diseases	Oral-Written
<b>Abdominal pain</b>	Motility disorders of the gastrointestinal	PreD	1. Dysphagia: Esophagus and Diaphragm and Diseases 2. Constipation: GI Motility Disorders and Diverticular Diseases	Oral-Written

	tract			
	Tumors of the gastrointestinal tract	PreT-P	1. Rectal Bleeding: Colorectal tumors 2. Mass in the abdomen 1/Dysphagia: Tumors of the gastrointestinal tract 3. Hepatomegaly: Liver Masses and Portal Hypertension 4. Mass in the abdomen 2/Jaundice	Oral-Written
	Abdominal traumas	E	1. Abdominal Traumas: Crush Injury and Tetanus Shock 2: Sepsis and Coma	Oral-Written
	Cholecystitis, cholelithiasis	PreD	Biliary Colic: Cholecystitis, Cholelithiasis	Oral-Written
	Ileus	E	Abdominal Distention: Ileus, Invagination and Abdominal Compartment Syndrome	Oral-Written
	Invagination	E	Abdominal Distention: Ileus, Invagination and Abdominal Compartment Syndrome	Oral-Written
	Chronic pancreatitis	PreT-P	Abdominal Pain 2: Pancreatitis	Oral-Written
	Malabsorption	PreD	Abdominal Pain 2: Pancreatitis	Oral-Written
	Peptic diseases (ulcer, gastritis)	DT-P	Dyspepsia: Peptic Diseases (Ulcer, Gastritis) and Gastroesophageal reflux disease	Oral-Written
	Peritonitis	E	Abdominal Pain 1: Acute abdomen Syndrome and Peritonitis	Oral-Written
<b>Abdominal mass</b>	Tumors of the gastrointestinal tract	PreT-P	1. Rectal Bleeding: Colorectal tumors 2. Mass in the abdomen 1/Dysphagia: Tumors of the gastrointestinal tract 3. Hepatomegaly: Liver Masses and Portal Hypertension 4. Mass in the abdomen 2/Jaundice	Oral-Written
	Invagination	E	Abdominal Distention: Ileus, Invagination and Abdominal Compartment Syndrome	Oral-Written
	Pubic abdominal wall hernias	D-E	Abdominal/Groin Mass: Abdominal Wall Tears and Inguinal Hernias	Oral-Written
<b>Bloating in the Abdomen</b>	Acute abdomen syndrome	D-E	Abdominal Pain 1: Acute abdomen Syndrome and Peritonitis	Oral-Written

	Disorders of the gastrointestinal tract	PreD	1. Dysphagia: Esophagus and Diaphragm and Diseases 2. Constipation: GI Motility Disorders and Diverticular Diseases	Oral-Written
	Tumors of the gastrointestinal tract	PreT-P	1. Rectal Bleeding: Colorectal tumors 2. Mass in the abdomen 1/Dysphagia: Tumors of the gastrointestinal tract 3. Hepatomegaly: Liver Masses and Portal Hypertension 4. Mass in the abdomen 2/Jaundice	Oral-Written
	Ileus	E	Abdominal Distention: Ileus, Invagination and Abdominal Compartment Syndrome	Oral-Written
	Invagination	E	Abdominal Distention: Ileus, Invagination and Abdominal Compartment Syndrome	Oral-Written
<b>Muscle weakness</b>	Hyperthyroidism	D-E-FU	Neck Mass: Thyroid and Parathyroid Diseases	Oral-Written
<b>Muscle-Skeletal system pains (extremity and soft tissue)</b>	Crush injury	D-E-P	Abdominal Traumas: Crush Injury and Tetanus	Oral-Written
	Compartment syndrome	E	Abdominal Distention: Ileus, Invagination and Abdominal Compartment Syndrome	Oral-Written
	Thrombophlebitis	D-P	Venous Thrombo-embolism	Oral-Written
<b>Groin mass / Scrotum</b>	Pubic abdominal wall hernias	D-E	Abdominal/Groin Mass: Abdominal Wall Tears and Inguinal Hernias	Oral-Written
<b>Itching</b>	Cirrhosis of the liver	PreT-P	Hepatomegaly: Liver Masses and Portal Hypertension	Oral-Written
	Skin and soft tissue infections, abscess	DT-P	Wound Healing and Care	Oral-Written
<b>Weightgain/excess weight</b>	Hypothyroidism	DT-FU	Neck Mass: Thyroid and Parathyroid Diseases	Oral-Written
	Metabolic syndrome	D-P-FU	Obesity	Oral-Written
	Obesity	D-P'FU	Obesity	Oral-Written
<b>Weightloss</b>	Hyperthyroidism	D-E-FU	Neck Mass: Thyroid and Parathyroid Diseases	Oral-Written
	Cancer/tumor head diseases			Oral-Written

	Malabsorption	PreD	1. Weight loss: Malnutrition 2. Abdominal Pain 2: Pancreatitis	Oral-Written
	Malnutrition	DT-P-FU	Weight loss: Malnutrition	Oral-Written
<b>Colic pains (Renal, Biliary, intestinal)</b>	Disorders of the gastrointestinal tract	PreD	1. Dysphagia: Esophagus and Diaphragm and Diseases 2. Constipation: GI Motility Disorders and Diverticular Diseases	Oral-Written
	Ileus	E	Abdominal Distention: Ileus, Invagination and Abdominal Compartment Syndrome	Oral-Written
	Invagination	E	Abdominal Distention: Ileus, Invagination and Abdominal Compartment Syndrome	Oral-Written
	Cholecystitis, cholelithiasis	PreD	Biliary Colic: Cholecystitis, Cholelithiasis	Oral-Written
<b>Caustic Ingestion</b>	Burns	DT-E	Burn	Oral-Written
<b>Cramp</b>	Acid-base balance disorders	E	Dehydration: Fluid and Electrolyte Balance Disorders, Acid-Base Balance Disorders	Oral-Written
	Hypothyroidism	DT-FU	Neck Mass: Thyroid and Parathyroid Diseases	Oral-Written
	Fluid and electrolyte disorders	D-E-P	Dehydration: Fluid and Electrolyte Balance Disorders, Acid-Base Balance Disorders	Oral-Written
<b>Lymphadenopathy</b>	Cancer-tumor-titled diseases			Oral-Written
<b>Melena/ Hematemesis</b>	Lower gastrointestinal bleeding	D-E	1. Anorectal Pain: Benign Anorectal Diseases 2. Rectal bleeding: Colorectal tumors	Oral-Written
	Diverticular diseases	PreD	Constipation: GI Motility Disorders and Diverticular Diseases Dysphagia: Esophagus and Diaphragms and Diseases	Oral-Written
	Tumors of the gastrointestinal tract	PreT-P	1. Rectal Bleeding: Colorectal tumors 2. Mass in the abdomen 1/Dysphagia: Tumors of the gastrointestinal tract 3. Hepatomegaly: Liver Masses and Portal Hypertension	Oral-Written

	Invagination	E	Abdominal Distention: Ileus, Invagination and Abdominal Compartment Syndrome	Oral-Written
	Peptic disease (ulcer, gastritis)	DT-P	Dyspepsia: Peptic Diseases (Ulcer, Gastritis) and Gastroesophageal reflux disease	Oral-Written
	Upper gastrointestinal bleeding	D-E	Upper GI Bleeding	Oral-Written
<b>Breast pain</b>	Breast diseases and tumors	PreT-P	Breast Mass: Breast Diseases and Tumors	Oral-Written
<b>Breast discharge</b>	Pituitary disorders	PreD	Breast Mass: Breast Diseases and Tumors	Oral-Written
	Drug side effects	D-E-P-FU	Breast Mass: Breast Diseases and Tumors	Oral-Written
	Breast diseases and tumors	PreT-P	Breast Mass: Breast Diseases and Tumors	Oral-Written
<b>Breast lumps</b>	Breast diseases and tumors	PreT-P	Breast Mass: Breast Diseases and Tumors	Oral-Written
<b>Seizure</b>	Acid-base balance disorders	E	Dehydration: Fluid and Electrolyte Balance Disorders, Acid-Base Balance Disorders	Oral-Written
	Hypoparathyroidism	PreD	Neck Mass: Thyroid and Parathyroid Diseases	Oral-Written
	Fluid and electrolyte disorders	D-E-P	Dehydration: Fluid and Electrolyte Balance Disorders, Acid-Base Balance Disorders	Oral-Written
<b>Edema</b>	Hypothyroidism	DT-FU	Neck Mass: Thyroid and Parathyroid Diseases	Oral-Written
	Deep vein thrombosis	PreT-P	Venous Thrombo-embolism	Oral-Written
	Varicose vein/venous insufficiency in the extremity	PreT-P	Venous Thrombo-embolism	Oral-Written

	Cirrhosis of the liver	PreT-P	Hepatomegaly: Liver Masses and Portal Hypertension	Oral-Written
<b>Cough/Phlegm</b>	Gastro-esophageal	DT-P	Dyspepsia: Peptic Diseases (Ulcer, Gastritis) and Gastroesophageal reflux disease	Oral-Written
<b>Paresthesia</b>	Liquid electrolyte deformity	D-E-P	Dehydration: Fluid and Electrolyte Balance Disorders, Acid-Base Balance Disorders	Oral-Written
	Trauma-titled diseases			Oral-Written
<b>Paresis/ paralysis</b>	Trauma/injury diseases			Oral-Written
<b>Pelvic mass</b>	Tumors of the gastrointestinal tract	PreT-P	1. Rectal Bleeding: Colorectal tumors 2. Mass in the abdomen 1/Dysphagia: Tumors of the gastrointestinal tract	Oral-Written
<b>Honeycomb, purpura, sow</b>	Trauma/injury diseases		Abdominal Traumas: Crush Injury and Tetanus	Oral-Written
<b>Hair loss</b>	Hyperthyroidism	D-E-FU	Neck Mass: Thyroid and Parathyroid Diseases	Oral-Written
	Hypothyroidism	DT-FU	Neck Mass: Thyroid and Parathyroid Diseases	Oral-Written
<b>Jaundice</b>	Tumors of the gastrointestinal tract	PreT-P	1. Hepatomegaly: Liver Masses and Portal Hypertension 2. Mass in the abdomen 2/Jaundice	Oral-Written
	Cirrhosis of the liver	PreT-P	Hepatomegaly: Liver Masses and Portal Hypertension	Oral-Written
	Cholecystitis, cholelithiasis	PreD	Biliary Colic: Cholecystitis, Cholelithiasis	Oral-Written
	Chronic hepatitis	PreD	Hepatomegaly: Liver Masses and Portal Hypertension	Oral-Written
	Portal hypertension	PreD	Hepatomegaly: Liver Masses and Portal Hypertension	Oral-Written
<b>Syncope</b>	Pulmonary embolism	E-P-FU	Venous Thrombo-embolism	Oral-Written
<b>Hoarseness</b>	Gastro-esophageal	DT-P	1. Dyspepsia: Peptic Diseases (Ulcer, Gastritis) and Gastroesophageal reflux disease 2. Mass in the abdomen 1/Dysphagia: Tumors of the gastrointestinal tract	Oral-Written
<b>Cyanosis</b>	Diaphragmatic hernias	PreD	Dysphagia: Esophagus and Diaphragms and Diseases	Oral-Written

<b>Scrotal pain</b>	Pubic and abdominal wall hernias	D-E	Abdominal/Groin Mass: Abdominal Wall Tears and Inguinal Hernias	Oral-Written
<b>Insect bites</b>	Tetanus	D-E-P	Abdominal Traumas: Crush Injury and Tetanus	Oral-Written
<b>Splenomegaly</b>	Cirrhosis of the liver	PreD-P	Hepatomegaly: Liver Masses and Portal Hypertension	Oral-Written
	Portal hypertension	PreD	Hepatomegaly: Liver Masses and Portal Hypertension	Oral-Written
<b>Sweating changes</b>	Hyperthyroidism	D-E-FU	Neck Mass: Thyroid and Parathyroid Diseases	Oral-Written
	Hypothyroidism	DT-FU	Neck Mass: Thyroid and Parathyroid Diseases	Oral-Written
<b>Tetany</b>	Vitamin D deficiency	DT-P-FU	Malnutrition	Oral-Written
	Hypoparathyroidism	PreD	Neck Mass: Thyroid and Parathyroid Diseases	Oral-Written
	Fluid and electrolyte disorders	D-E-P	Dehydration: Fluid and Electrolyte Balance Disorders, Acid-Base Balance Disorders	Oral-Written
	Tetanus	D-E-P	Abdominal Traumas: Crush Injury and Tetanus	Oral-Written
<b>Tremor</b>	Hyperthyroidism	D-E-FU	Neck Mass: Thyroid and Parathyroid Diseases	Oral-Written
<b>Sleep disorders</b>	Hypothyroidism	DT-FU	Neck Mass: Thyroid and Parathyroid Diseases	Oral-Written
	Sleep Apnea syndrome	PreD	Obesity	Oral-Written
<b>Flank pain</b>	Appendicitis	E	Acute Appendicitis	Oral-Written
	Chronic pancreatitis	PreD-P	Abdominal Pain 2: Pancreatitis	Oral-Written
<b>Dysphagia</b>	Diverticular diseases (esophagus)	PreD	Dysphagia: Esophagus and Diaphragms and Diseases	Oral-Written
	Gastro-esophageal	DT-P	Dyspepsia: Peptic Diseases (Ulcer, Gastritis) and Gastroesophageal reflux disease	Oral-Written
	Peptic disease (ulcer, gastritis)	DT-P	Dyspepsia: Peptic Diseases (Ulcer, Gastritis) and Gastroesophageal reflux disease	Oral-Written

	Tumors of the gastrointestinal tract	PrD-P	Mass in the abdomen 1/Dysphagia: Tumors of the gastrointestinal tract	Oral-Written
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LEARNING G LEVEL	EXPLANATION
E	Be able to recognize the emergencies and perform first-line emergency treatment and refer to specialist when necessary.
PreD	Be able to make the pre-diagnosis and refer to relevant specialist after first-line treatment.
D	Be able to make the diagnosis, know about the treatment, and refer to relevant specialist after first-line treatment.
DT	Be able to diagnose and treat.
FU	Be able to carry out long-term follow-up in primary care conditions.
P	Be able to implement preventive measures (primary, secondary, tertiary protection).

## GENERAL SURGERY CLERKSHIP MEASUREMENT AND EVALUATION METHODS

Written exam

1. Test (100%)

Structured oral exam

Physical Examination on mannequin applications

1. Head and neck examination
2. Digital rectal examination
3. Abdominal examination
4. Breast examination

### CALCULATION OF SUCCESS

The total score of the students is calculated to constitute 50% of the total score of the test and classical written exam, 45% of the oral exam and 5% of the mannequin exam.

Exam Type	Percentage
Written Exam	50%
Structured Oral Exam	45%
Model Exam	5%

### RECOMMENDED REFERENCES FOR GENERAL SURGERY TRAINEES

1. Schwartz's Principles of Surgery – 11th Edition – 2019
2. UpToDate – [www.uptodate.com](http://www.uptodate.com)
3. Medscape – [www.medscape.com](http://www.medscape.com)