



GIT Module

Final Year MBBS

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Khyber Medical University (KMU) Vision:

Khyber Medical University will be the global leader in health sciences academics and research for efficient and compassionate health care.

Khyber Medical University (KMU) Mission:

Khyber Medical University aims to promote professional competence through learning and innovation for providing comprehensive quality health care to the nation.

Institute of Health Professions Education & Research (IHPER) Mission:

To produce leaders, innovators and researchers in health professions education who can apply global knowledge to resolve local issues.

Themes

Table 1: Thematic Distribution

S. No	Themes	Duration in Hours
1	Difficulty in swallowing and Epigastric Pain	4
2	Yellow discoloration of the sclera	5
3	Diarrhea and Pain Abdomen	8
4	Constipation and bleeding per rectum	6

*A minimum of 4 hours daily apart from above hours, must be allocated for clinical teaching and training at the bedside in different units.

Learning Objectives

By the end of GIT Module, Final year MBBS students will be able to:

- 1) Discuss the approach to the management of a patient with dysphagia and upper GI bleed.
- 2) Explain the approach to the management of a patient with pain epigastrium.
- 3) Discuss the management of a patient with acute and chronic hepatitis, liver cirrhosis, and encephalopathy.
- 4) Explain the management of a patient with acute and chronic diarrheas.
- 5) Discuss the management of a patient with peritonitis and intestinal obstruction.
- 6) Explain the management of a patient with constipation and lower GI bleeding.
- 7) Take history and perform a physical examination of a patient with GI diseases.
- 8) Counsel patients and their families with common GI diseases.

Specific Learning Objectives

Table 3: Theme Wise Learning objectives

Theme-1: Difficulty in swallowing and epigastric pain					
Subject	Topic	Hours	S. No	Domain of learning	Learning objectives
Surgery	Dysphagia	1	1	Cognitive	Explain the diagnostic workup and management of a patient with dysphagia.
Medicine	Upper GI bleeding	1	2	Cognitive	Explain the diagnostic workup and management and complications of a patient with Upper GI bleeding
			3	Psychomotor	Take history and perform a physical examination of a patient with an upper GI bleed.
			4	Psychomotor	Observe upper GI endoscopy.
			5	Psychomotor	Observe NG tube insertion.
Pediatrics	Vomiting	1	6	Cognitive	Explain the diagnostic and therapeutic approach to a neonate and infant with persistent vomiting.
Gynaecology	Hyperemesis gravidarum	1	7	Cognitive	Discuss the management of a patient with vomiting of pregnancy.
			8	Affective	Counsel a patient with hyperemesis gravidarum.

Theme-2: Yellow discoloration of the sclera

Subject	Topic	Hours	S. No	Domain of learning	Learning objectives
Medicine	Investigations of liver diseases	1	9	Cognitive	Elaborate on the investigations used for the diagnosis of hepatobiliary disorders and their interpretations.
			10	Psychomotor	Take history and perform physical examination of a patient with liver cirrhosis.
			11	Psychomotor	Observe Ascitic fluid paracentesis.
			12	Psychomotor	Interpret Ascitic fluid report.
			13	Affective	Counsel a patient with Liver cirrhosis due to Hepatitis B/C.
	Acute fulminant hepatitis and acute liver failure	1	14	Cognitive	Discuss the diagnostic approach and management of a patient with suspected acute fulminant hepatitis/acute liver failure.
	Hepatic encephalopathy		15	Cognitive	Explain the grading system, etiology, diagnostic approach, management, and prevention of hepatic encephalopathy.
	16		Psychomotor	Elicit Asterixis/ hepatic flap.	
Surgery	Obstructive jaundice	1	17	Cognitive	Discuss the diagnostic approach and management of a patient with suspected obstructive jaundice.
			18	Affective	counsel a standardized patient with newly diagnosed Carcinoma head of the Pancreas.
Pediatrics	Hyperbilirubinemias	1	19	Cognitive	Discuss the diagnostic approach and management of a neonate and infant with jaundice.
			20	Psychomotor	Take history and perform physical examination of a child with jaundice.
			21	Affective	Counsel a child and his parents with Gilbert syndrome.

Gynaecology	Obstetrics cholestasis in pregnancy/fatty liver	1		Cognitive	Discuss the management of cholestasis in pregnancy and fatty liver in pregnancy
Theme-3: Pain Abdomen and Diarrhea					
Subject	Topic	Hours	S. No	Domain of learning	Learning objectives
Surgery	Acute appendicitis	1	22	Cognitive	Discuss the diagnostic approach and management of a patient with pain in the right iliac fossa due to suspected appendicitis.
	Pain abdomen		23	Cognitive	Discuss the diagnostic approach and management of a patient with pain in the abdomen of acute onset and chronic onset.
			24	Psychomotor	Illicit signs of acute appendicitis in a child.
			25	Affective	Counsel the parents of a child with acute appendicitis
	Intestinal obstruction	1	26	Cognitive	Discuss the etiology, diagnostic approach, and management of a patient with suspected intestinal obstruction.
	Intestinal perforation	1	27	Cognitive	Discuss the etiology, diagnostic approach, and management of a patient with suspected intestinal perforation/peritonitis.
	Hernias	1	28	Cognitive	Discuss the etiology, anatomical concepts, management, and complications of a patient with inguinal hernias .
29			Psychomotor	Perform transillumination test for inguinal hernias.	
Pediatrics	Malabsorption and celiac disease	1	30	Cognitive	Explain the diagnostic workup and management of a patient with Malabsorption due to celiac disease.
			31	Affective	Counsel a child and his/her parents regarding dietary advice regarding celiac disease
	Acute diarrhea	1	32	Cognitive	Explain the diagnostic workup and management of a patient acute watery diarrhea
			33	Psychomotor	Assess the state of hydration in a child with acute diarrhea

	Chronic diarrhea	1	34	Cognitive	Explain the diagnostic workup and management of a patient with chronic diarrhea.
Family medicine/ Medicine	Approach to a patient with Abdominal Pain in a primary health care	1	35	Cognitive	Explain the approach, differential diagnosis, investigations, initial management, and indications for referral of a patient with Abdominal Pain in a primary health care setting.
Theme-4: Constipation and bleeding per rectum					
Subject	Topic	Hours	S. No	Domain of learning	Learning objectives
Medicine	Approach to a patient bleeding Per rectum	1	36	Cognitive	Discuss the diagnostic workup and management approach for a patient with bleeding per rectum.
Surgery	Constipation	1	37	Cognitive	Discuss the diagnostic workup and management approach for a patient with constipation
	Ulcerative colitis	1	38	Cognitive	Discuss the approach to the management of a patient with ulcerative colitis, its short and long-term complications, and the role of surveillance colonoscopies in the prevention of colorectal malignancies.
	Crohn's Disease	1	39	Cognitive	Discuss the approach to the management of a patient with Crohn's disease, its short and long-term complications, and extra intestinal manifestations.
	Colorectal cancer	1	40	Cognitive	Discuss the approach to the management of a patient with suspected colorectal cancer and its staging
Pediatrics surgery	Hirschsprung's disease	1	41	Cognitive	Explain the etiology, clinical features, investigations, treatment of a child with Hirschsprung's disease.