



# **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           | 4                 |
| 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.  |

### 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. |



| <b>Theme-4: Constipation and bleeding per rectum</b> |   |              |              |                           |  |
|--|---|--------------|--------------|---------------------------|--|
| <b>Subject</b>                                       | <b>Topic</b>                              | <b>Hours</b> | <b>S. No</b> | <b>Domain of learning</b> | <b>Learning objectives</b>   |
| <b>Medicine</b>                                      | Approach to a patient bleeding Per rectum | 1            | 36           | Cognitive                 | Discuss the diagnostic workup and management approach for a patient with bleeding per rectum.  |
| <b>Surgery</b>                                       | 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   |
| <b>Pediatrics surgery</b>                            | Hirschsprung's disease                    | 1            | 41           | Cognitive                 | Explain the etiology, clinical features, investigations, treatment of a child with Hirschsprung's disease.   |