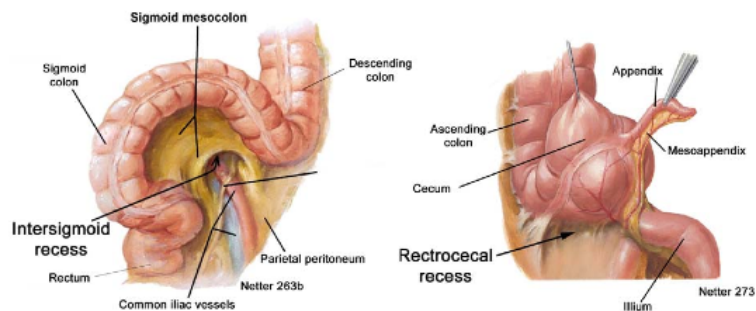
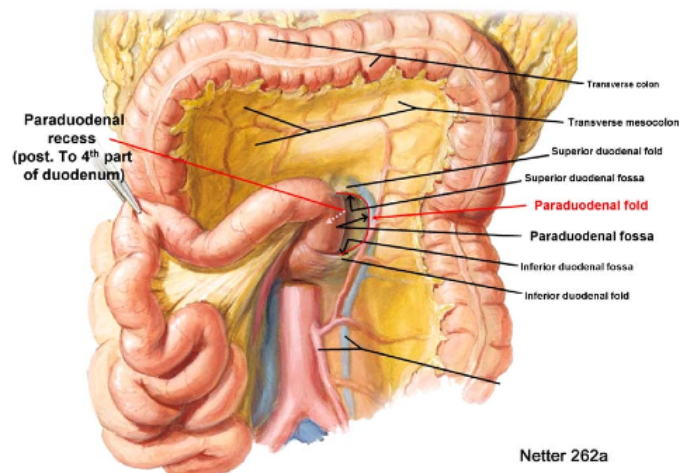


AJK Medical College Muzaffarabad



STUDY GUIDE GIT-IV (0316) Module 5th Year MBBS



Module Duration: 2 weeks

Starting From:

Pre-Requisites: FM, CVS-IV & RES-IV Modules

Department of Medical Education

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Module Team

Name	Designation
Dr. Ali Arshad Abbasi	Module Planner
Prof. Javed Akhtar Rathore	Member
Dr. Abdul Khalid Awan	Member/DME
Dr. Sarmad Latif Awan	Member
Dr. Naeem Ahmed	Member
Dr. Seemab	Member

RATIONALE

Gastrointestinal tract is marvel of human body created by Allah subhanawata'lah. It represents superb meaningful structures helping us in digesting, assimilating and nourishment. Through horizontal integration one comprehends the utmost wisdom behind normal functioning of these organs as well as diseases, signs, symptoms afflicting them. This enables us to render the most appropriate management of various diseases.

The core contents of this module are organized into 8 themes and each has been subtitled to achieve our learning objectives logically, coherently and lucidly. Timeline and learning strategies are complemented. Basic diseases related to Digestive System had been taught in 3rd and 4th years. Attempt will be made to redress in comprehensive manners in order to achieve depth. The students may like to revise those topics.

Organization of Module:

The module is constructed on functional approach considering the entire digestive system as one unit avoiding repetitions. The module consists of seven themes, ; each based on a real life situation. Each theme has its explicit Learning Objectives (LOs). The module will employ different modes of instruction, briefly described below. Major emphasis will be on real life patient examination, diagnosis, discussion investigation and management by the students and guided by the faculty in wards as so as LGIS.

Each theme in this module is augmented with clinical scenarios. The clinical presentation of themes will give you a clue that how a patient presents in a real life situation and to draw a conclusion from the information given by the patient and signs elicited by your clinical examination. All this information is included in the respective clinical cases. Your daily learning activities at the medical college and the hospital would be divided into different slots. Please refer to time table for more details regarding organization of learning activities.

Teaching Strategies:

The content of this module will be delivered by a combination of different teaching strategies. These include small group discussions (SGD) in wards, large group interactive sessions (LGIS), history taking, patient examination, laboratory investigations and tests interpretation, clinicopathological conferences (CPCs), discussions and journal club can be incorporated if needs arise. Read the cases and the objectives of the theme which you are supposed to encounter next day, understand and explain the case to yourself and study the relevant information. The students will present clinical cases based on scenarios themselves and display the relevant radiological and pathological features. Following learning/teaching strategies will be used in GIT Module:

Small Group Discussion (SGD):

Main bulk of the course content will be delivered in small group sessions in wards. Each theme has an associated case. The case will be centered around which learning will take place. Every group will have a facilitator assigned to it. The facilitator will be there to keep you on track, giving you maximum liberty to discuss and achieve the objectives as a group. Small groups will be followed by a wrap up session to standardize learning. Rest of the information will be in the schedule/ time table.

Large Group Interactive Sessions (LGIS):

LGIS will be employed at times to augment small groups. By and large they will be used to pass on general concepts regarding the theme. Large group instruction will be employed at times sparingly. Attend large group sessions with the following focus:

- Identify important points.
- Ask questions on concepts not well understood in the text books.
- Measure your learning comprehension.

Journal Club:

A research article will be insha Allah provided to the students requiring them to meticulously and critically analyze and highlight its weaknesses and strengths in terms of study design, material methods, results, discussion, conclusion and references

Practical Skills:

Selection of tests, collection of the specimen, history taking, physical examination and interpretation of specimens/test reports, microscopic slides, culture plates/media examination and radiological images.

Self-Directed Learning (SDL):

A task will be given in SDL regarding the theme to be discussed before PBL. This will help to prepare you a bit before the theme is under discussion. A few SDLs have been added in between to create an environment for you to search literature as well as to deduce and synthesize information from different sources to meet the learning objectives.

Assessment:

In this module, you will have formative and summative assessment. This will give you an idea about the format of the examination that you will go through at the end of the year. This will be followed by feedback on your performance in the exam. Marks obtained in the module examination will contribute 30% (internal assessment) towards end of year Professional University Examination. **There is no re-sit exam for module written assessment and block IPE** under any circumstances. If you miss them, your internal assessment will be recorded as zero. No excuse of any kind is permissible for absence in module or OSCE assessment.

Table of Specifications (TOS) GIT II

1	Dysphagia	15%
2	Dyspepsia	20%
3	Jaundice	20%
4	Acute abdomen	10%
5	Diarrhea	10%
6	Per rectal bleeding	15%
7	Malnutrition	10%

Learning Objectives (LOs)

1. **Dysphagia**

At the end of the module students should be able to

- Describe aetiology, diagnosis and management of mouth ulcers and stomatitis..
- Enumerate common aetiology of Dysphagia.
- Describe various types of esophagitis, their causes and management of esophagitis.
- Describe clinical features investigations and management of esophageal tumors.
- Describe the clinical features investigations and management of esophageal reflux oesophagitis.

2. Dyspepsia

At the end of the module students should be able to

- Describe clinical presentation investigations and management of vomiting in new born
- Describe clinical features investigations and management of gastritis and gastric ulcer and eradication of H Pylori.
- Describe clinical features investigations and management of peptic ulcer perforation
- Describe the clinical features investigations and management of peptic ulcer disease and its complication
- List causes of pyloric stenosis
- Describe clinical presentation investigations and management of hyperemesis gravidarum
- Describe clinical presentations, complications and management of pyloric stenosis
- Describe clinical features investigations and management of stomach tumour .

3. Jaundice

At the end of the module students should be able to

- Classify mechanisms of jaundice in new born
- Describe clinical features investigations and management of cholelithiasis, its Describe clinical presentation investigations and management of viral hepatitis and drug induced jaundice in children
- List causes of Liver cirrhosis
- Describe clinical features investigations and management complications of Liver cirrhosis
- Enlist various causes of ascites and its management
- Describe pathogenesis of hemochromatosis and its diagnosis.
- Decreased alcoholic liver disease
- Describe clinical features investigations and management of chronic hepatitis
- Describe clinical presentation investigations and management of jaundice/hepatitis
- Describe the causes, pathogenesis and diagnosis of Wilson's disease
- Describe clinical features investigations and management of obstructive jaundice with special reference to Ca head of pancreas
- Describe clinical features investigations and management of chronic pancreatitis
- Describe the clinical features investigations and management of acute liver disease
- Describe the etiology, clinical features investigations diagnosis and management of hyperbilirubinemia
- Discuss clinical presentation, grading and staging of malignant tumors of Liver
- List causes of malignant tumors of Gallbladder
- Discuss the pathogenesis of malignant tumors of Gallbladder
- Discuss clinical presentation, grading and staging of malignant tumors of Gallbladder
- List causes of malignant tumors of Pancreas
- Describe clinical features investigations and management of upper gastrointestinal bleeding
- Describe clinical features investigations and management of lower gastrointestinal bleeding
- Discuss the pathogenesis of malignant tumors of Pancreas
- Discuss clinical presentation, grading and staging of malignant tumors of Pancreas

4. Acute Abdomen

At the end of the module students should be able to

- Enlist causes clinical features investigations and management of Intestinal obstruction.
- Compare and contrast between surgical and medical causes of acute abdomen on the basis of their clinical presentation.
- Describe the etiology clinical features investigations and management of acute pancreatitis.
- Describe Mesenteric cyst, Hirschprung's disease, volvulus and Intussusceptions in terms of their clinical presentation investigations and management.
- Describe clinical features investigations and management of intestinal vascular insufficiency
- Describe clinical features investigations and management of peptic ulcer perforation
- Describe the principles of laparoscopic surgery along with its strength and weaknesses

5. Diarrhea/Constipation

At the end of the module students should be able to

- Describe clinical presentation investigations and management of chronic diarrhoea in children
- Describe clinical features investigations and management of Celiac disease
- Describe the etiology and pathogenesis of Celiac disease
- Describe clinical presentation investigations and surgical management of ulcerative colitis and Cohn's disease
- Describe clinical presentation investigations and management of tropical sprue
- Compare and contrast Celiac disease and Tropical sprue.
- List the causes of Malabsorption, clinical features investigations and management of Malabsorption
- Relate antibiotic associated Diarrhea with clostridium Difficile in terms of its clinical presentation and lab diagnosis of acute diarrhoea

- Discuss the pathogenesis of tumors of small intestine its clinical features investigations and management
- Discuss clinical presentation, grading and staging of malignant tumors of small intestine and its management.

6. Per Rectal Bleeding

At the end of the module students should be able to

- Describe clinical features investigations and surgical management of ulcerative colitis
- Describe clinical features investigations and clinical management of ulcerative colitis
- Describe clinical features investigations and surgical management of Cohn's disease
- Describe clinical features investigations and management Crohn's disease
- List causes of malignant tumors of Colon & Rectum.
- Discuss the clinical features investigations and management of malignant tumors of Colon & Rectum.
- Describe morphology of malignant tumors of Rectum and abdomenoparineal resection (APR)
- Discuss clinical presentation, grading and staging of malignant tumors of Colon & Rectum
- Describe clinical presentation investigations and management of anemia
- Describe types of imperforate anus and its clinical presentation
- Discuss the etiology, pathogenesis, complications and management of Budd Chiari syndrome, angiodysplasia, and thromboembolism in relation to GIT.
- Describe the clinical presentation, investigations and surgical management of Ca colon

7. Malnutrition

At the end of the module students should be able to.

- Describe parental nutrition in severe acute gastroenteritis
- Define Adulteration of Food. Describe Nutritional assessment methods
- Describe the clinical features preventive measures of Typhoid fever/Paratyphoid Fever
- Describe the epidemiology clinical features prevalence and preventive measures of acute Diarrheal and parasitic disease
- Describe clinical presentation investigations and management of DVT in pregnancy
- Describe types of Food poisoning and their management
- Describe clinical features investigations and management of acute diarrhoea
- Describe clinical presentation investigations and management of haemorrhoid anal fissure and perianal abscess.
- Describe clinical features investigations and management of chronic diarrhoea.

RESOURCE FOR LEARNING

Reference Books

1. Harrison's principle of Internal Medicine 19th edition 2015
2. Kumar and Clark seventh edition 2009
3. Davidson's Principles & Practice of Medicine 20th edition 2009.
4. Bailly and love text book of surgery

Web Links

Following online medical dictionaries can be referred

www.nlm.nih.gov

www.medterms.com

www.bloodmed.com

www.online-medical-dictionary.org

www.medscape.com

www.jpathology.com

www.cdc.com

AJK Medical College, Muzaffarabad

Schedule for GIT-IV– 5th Year MBBS

Week-1

↓Time	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
8:00am - 8:40am	CVS-IV & RES-IV Module Written Assessment	LGIS Approach to a patient with dysphagia Dr. Abdul Khalid	LGIS Dysphagia & vomiting in children Dr. AG Nagi	LGIS Hyper emesis gravidarum Dr. Shafaq Hanif	LGIS Approach to a patient with acute abdomen Dr. Ziyad Kayani	CLINICAL ROTATIONS (8:00 AM to 2:00 PM)
8:45am - 9:25am		LGIS GORD Dr. Ali Arshad	LGIS Approach to a patient with dyspepsia/peptic ulcer disease Dr. Javed Rathore	LGIS Ca-stomach Dr. Raja Ijaz	CLINICAL ROTATIONS	
9:30am- 2:00pm	CLINICAL ROTATIONS	CLINICAL ROTATIONS	CLINICAL ROTATIONS	CLINICAL ROTATIONS		
Break (2:00 – 5:00 PM)						
5:00-8:00 pm	CLINICAL ROTATIONS	CLINICAL ROTATIONS	CLINICAL ROTATIONS	CLINICAL ROTATIONS	CLINICAL ROTATIONS	

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Schedule for GIT-IV– Class of 2016 (5th Year MBBS)

Week-2

↓Time	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
8:00am - 8:40am	LGIS Approach to a patient with acute cholecystitis & pancreatitis Dr. Adnan Mehraj	LGIS Approach to a patient with acute viral hepatitis Dr. Imtiaz Kh.	LGIS Approach to a patient with cirrhosis of liver Dr. Javed Rathore	LGIS Ca-colon & rectum Dr. Naheed	LGIS Inflammatory bowel disease Dr. Ali Arshad	CLINICAL ROTATIONS (8:00 AM to 2:00 PM)
8:45am - 9:25am	LGIS Approach to a patient with Obstructive Jaundice Dr. Raja Ijaz	LGIS Approach to a patient with chronic viral hepatitis Dr. Munazzah	LGIS Hyper bilirubinemia Dr. Tahir Aziz	LGIS Management of diarrhea in children Dr. Mateen	CLINICAL ROTATIONS	
9:30am-2:00pm	CLINICAL ROTATIONS	CLINICAL ROTATIONS	CLINICAL ROTATIONS	CLINICAL ROTATIONS		
Break (2:00 – 5:00 PM)						
5:00-8:00 pm	CLINICAL ROTATIONS	CLINICAL ROTATIONS	CLINICAL ROTATIONS	CLINICAL ROTATIONS	CLINICAL ROTATIONS	



For Inquiries & Trouble Shooting
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