

AJK Medical College, Muzaffarabad



STUDY GUIDE Infectious/non-infectious disease Module 5th Year MBBS



Module Code:
Duration: 3 Weeks
Starting on:

DEPARTMENT OF MEDICAL EDUCATION

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Module Team

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|--------------------------|---------------|
| 1. Prof. AG Nagi | (Planner) |
| 2. Dr. Abdul Khalid | (Coordinator) |
| 3. Dr. Sarmad Latif Awan | (Member) |
| 4. Col. Dr. Zubair | (Member) |

Rationale

This module has been implicitly divided in two parts. Non infectious part contains important conditions which are not integrated with different systems. The infectious part is comprised of important infectious diseases prevalent in this part of the world.

Infectious diseases are major health care problems in developing countries. A large majority of patients reporting to outpatient departments in the State of Jammu and Kashmir are suffering from infectious diseases. These infections include bacterial, viral, protozoal and fungal infections. This module covers all important infectious diseases prevalent in this part of the world. This module will provide you foundation for your clinical clerkships where you will be dealing with patients suffering from infectious diseases.

There are number of Non infectious, clinically important conditions included in this module. These conditions are not integrated with different systems. These are common and important clinical conditions and you will be evaluating patients with these ailments during your clerkships. This module will introduce and familiarize you with these conditions for your smooth transition into clinical work.



Competencies:

- Medical knowledge
- Patient care
- Communication skills

Teaching Strategies:

Entire module will be delivered by LGIS and clinical clerkships inside hospital. Read relevant content and learning objectives for each condition which you are supposed to encounter during clinical rotations

Self-Directed Learning (SDL):

You need to spare 2 hours daily for SDL.

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. If you miss them, your internal assessment will be recorded as zero.

Core content

1	Breast lesions
2	Ano-rectal abnormalities
3	Hernias
4	Surgical skin conditions
5	Parenteral nutrition
6	Enteric fistula and short bowel syndrome
7	Diverticular disease
8	Lower GI Bleeding
9	Aortic aneurysm and mesenteric ischemia
10	Liver resection and transplant(update)
11	Burns
12	Liver abscess and hydatid disease
13	Hemorrhagic fevers
14	Enteric fever
15	Polio and entero-viruses
16	Tuberculosis
17	Tuberculosis (paeds perspective)
18	Acute diarrhoea
19	FUO
20	Health care associated infections
21	Animal and human bites
22	Anti-microbial therapy
23	Immunization against infectious diseases
24	Tetanus and gas gangrene
25	Diphtheria and pertussis
26	Malaria
27	Worm infestations
28	Leishmaniasis
29	Chicken pox and zoster
30	Measles, mumps and Rubella

Learning Objectives

At the end of the module students will insha Allah be able to:

1-Breast lesions

- 1- List common breast lesions
- 2- Describe a diagnostic approach in breast lesions
- 3- Discuss management of breast lesions

2- Ano-rectal abnormalities

- 1- List common ano-rectal abnormalities
- 2- Describe a diagnostic approach in ano-rectal abnormalities
- 3- Describe different investigations for diagnosis of ano-rectal abnormalities.
- 4- Discuss differential diagnosis of ano-rectal abnormalities.
- 5- Discuss management of ano-rectal abnormalities

3-Hernias

- 1- List different types of Hernias
- 2- Describe clinical presentation of hernias
- 3- Discuss differential of hernias
- 4- Describe relevant investigations according to the type of hernias
- 5- Discuss treatment modalities of hernias

4-Surgical skin conditions

- 1- List important surgical skin conditions

- 2- Describe etiology of surgical skin conditions
- 3- Discuss common symptoms and signs of surgical skin conditions
- 4- Discuss differential diagnosis of surgical skin conditions
- 5- Discuss treatment of surgical skin conditions

5-Parenteral nutrition

- 1- List common surgical conditions where parenteral nutrition is required.
- 2- Describe different modes of I/V access for administration of parenteral nutrition.
- 3- Discuss difficulties in I/V access
- 4- Discuss complications of parenteral nutrition
- 5- Discuss I/V Preparations used for parenteral nutrition.

6-Enteric fistulae and short bowel syndrome

- 1- List common causes of enteric fistulae.
- 2- Describe a diagnostic approach in of enteric fistulae.
- 3- Describe different investigations for diagnosis of enteric fistulae.
- 4- Discuss differential diagnosis of enteric fistulae.
- 5- Discuss management of enteric fistulae
- 6- List common causes of short bowel syndrome.
- 7- Describe a diagnostic approach in short bowel syndrome.
- 8- Describe different investigations for diagnosis of short bowel syndrome.
- 9- Discuss differential diagnosis of short bowel syndrome.
- 10- Discuss management of short bowel syndrome

7-Diverticular disease

- 1- List different types of intestinal diverticula.
- 2- Describe clinical presentations of different diverticula.
- 3- Discuss differential of diverticular disease
- 4- Describe relevant investigations according to the type of diverticula
- 5- Discuss treatment of diverticular disease

8-Lower GI Bleeding

- 1- List common causes of lower GI bleeding.
- 2- Describe symptoms of lower GI bleeding.
- 3- Discuss differential diagnosis of lower GI bleeding
- 4- Discuss diagnostic approach in patients with of lower GI bleeding.
- 5- Discuss management of lower GI bleeding.

9- Aortic aneurysm and mesenteric ischemia.

- 1- Define Aortic aneurysm
- 2- List essentials of diagnosis of Aortic aneurysm
- 3- Describe symptoms and signs of Aortic aneurysm
- 4- Discuss investigations for diagnosis of Aortic aneurysm.
- 5- Discuss management of Aortic aneurysm.
- 6- Discuss causes of mesenteric ischemia.
- 7- List essentials of diagnosis of mesenteric ischemia.
- 8- Describe symptoms and signs of mesenteric ischemia.
- 9- Discuss investigations for diagnosis of mesenteric ischemia.
- 10- Discuss management of mesenteric ischemia

10-Liver resection and transplant

- 1- Discuss indications for liver resections
- 2- Describe complication of liver transplant.
- 3- Discuss post transplant care.
- 4- Describe prognosis of liver transplant.

11-Burns

- 1- Define different types of burns
- 2- Describe method for measurement of %age area of burned skin
- 3- Discuss management of burns.

12-Liver abscess and hydatid disease

- 1- List essentials of diagnosis of Liver abscess.
- 2- Describe symptoms and signs of Liver abscess.
- 3- Discuss investigations for diagnosis of Liver abscess.
- 4- Discuss complications of liver abscess.
- 5- Discuss management of Liver abscess.
- 6- List essentials of diagnosis of hydatid liver disease.
- 7- Describe symptoms and signs of hydatid liver disease.
- 8- Discuss investigations for diagnosis of hydatid liver disease.
- 9- Discuss management of hydatid liver disease.

13-Haemorrhagic fevers

- 1- List essentials of diagnosis of hemorrhagic fevers.
- 2- Describe symptoms and signs of hemorrhagic fevers.
- 3- Discuss investigations for diagnosis of hemorrhagic fevers.
- 4- Discuss complications of hemorrhagic fevers.
- 5- Discuss management of hemorrhagic fevers.

14-Enteric fever

- 1- List essentials of diagnosis of Enteric fever.
- 2- Describe symptoms and signs of Enteric fever.
- 3- Discuss investigations for diagnosis of Enteric fever..
- 4- Discuss complications of Enteric fever.
- 5- Discuss management of Enteric fever.

15-Polio and entero-viruses

- 1- List essentials of diagnosis of Polio.
- 2- Describe symptoms and signs of Polio.
- 3- Discuss investigations for diagnosis of Polio.
- 4- Discuss complications of Polio.
- 5- Discuss management of Polio.
- 6- Describe prevention of Polio.
- 7- Discuss reason for the failure of polio eradication programme in Pakistan.

16-Tuberculosis

- 1- List essentials of diagnosis of Tuberculosis.
- 2- Describe symptoms and signs of Tuberculosis.
- 3- Discuss investigations for diagnosis of Tuberculosis.
- 4- Discuss diagnosis of latent tuberculosis.
- 5- Discuss complications of Tuberculosis.
- 6- Discuss management of Tuberculosis.
- 7- Discuss management of drug resistant tuberculosis.
- 8- Discuss treatment during pregnancy and lactation.
- 9- Discuss prevention of Tuberculosis.

17-Acute Diarrhea

- 1- List etiology of diagnosis of Acute Diarrhea.
- 2- Describe symptoms and signs of Acute Diarrhea.
- 3- Discuss investigations for diagnosis of Acute Diarrhea.
- 4- Discuss complications of Acute Diarrhea.
- 5- Discuss management of Acute Diarrhea.
- 6- Describe prevention of Acute Diarrhea.

18-Fever of unknown (FUO)

- 1- Describe classification of causes of FUO.
- 2- Describe symptoms and signs of FUO.
- 3- Discuss investigations for diagnosis of FUO.
- 4- Discuss management of Acute Diarrhea.

19-Health care associated infections

- 1- List etiology of Health care associated infections.
- 2- Describe symptoms and signs of Health care associated infections.
- 3- Discuss investigations Health care associated infections.

- 4- Discuss management Health care associated infections.

20-Animal and human bites

- 1- List essentials of diagnosis of human and animal bites.
- 2- Discuss management of human and animal bites.
- 3- Discuss prophylactic treatment of human and animal bites.

21-Anti-microbial therapy

- 1- List different groups of antimicrobial therapy.
- 2- Describe principles of antimicrobial therapy.

22-Imunization against infectious diseased

- 1- List diseases where affective immunization is available.
- 2- Describe procedure of immunization in different infectious diseases.

23-Tetanus and gas gangrene

- 1- List essentials of diagnosis of Tetanus and gas gangrene.
- 2- Describe symptoms and signs of Tetanus and gas gangrene.
- 3- Discuss investigations for diagnosis of Tetanus and gas gangrene.
- 4- Discuss complications of Tetanus and gas gangrene.
- 5- Discuss management of Tetanus and gas gangrene.
- 6- Describe prevention of Tetanus and gas gangrene.

24-Diphtheria and Pertussis

- 1- List essentials of diagnosis of Diphtheria and Pertussis.
- 2- Describe symptoms and signs of Diphtheria and Pertussis.
- 3- Discuss investigations for diagnosis of Diphtheria and Pertussis.
- 4- Discuss complications of Diphtheria and Pertussis.
- 5- Discuss management of Diphtheria and Pertussis.
- 6- Describe prevention of Diphtheria and Pertussis.

25-Malaria

- 1- List essentials of diagnosis of diagnosis of malaria.
- 2- Describe symptoms and signs of malaria.
- 3- Discuss investigations for diagnosis of malaria.
- 4- Discuss complications of malaria.
- 5- Discuss management of malaria.
- 6- Describe prevention of malaria.

26-Worm Infestations

- 1- List essentials of diagnosis of diagnosis of worm infestations.
- 2- Describe symptoms and signs of worm infestations.
- 3- Discuss investigations of worm infestations.
- 4- Discuss management of worm infestations
- 5- Describe prevention of worm infestations.

27-Leishmaniasis

- 1- List essentials of diagnosis of Leishmaniasis.
- 2- Describe symptoms and signs of Leishmaniasis.
- 3- Discuss investigations of Leishmaniasis.
- 4- Discuss management of Leishmaniasis.
- 5- Describe prevention of Leishmaniasis.

28-Chicken pox and herpes zoster

- 1- List essentials of diagnosis of Chicken pox and herpes zoster.
- 2- Describe symptoms and signs of Chicken pox and herpes zoster.
- 3- Discuss investigations of Chicken pox and herpes zoster.
- 4- Discuss management of Chicken pox and herpes zoster.
- 5- Describe prevention of Chicken pox and herpes zoster.

29-Measles, mumps and rubella

- 1- List essentials of diagnosis of Measles, mumps and rubella
- 2- Describe symptoms and signs of Measles, mumps and rubella
- 3- Discuss investigations of Measles, mumps and rubella.
- 4- Discuss management of Measles, mumps and rubella.
- 5- Describe prevention of Measles, mumps and rubella.

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Schedule for infectious/non-infectious disease Module – Final Year

Week □1

Time	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
8:00am - 8:40am	Written Assessment Musculoskeletal Module	LGIS Approach to patient with Common Breast lesions Dr.Farzana	LGIS Hernias Prof.Nizam ud Din	LGIS Parenteral nutrition in surgical patients Prof.Nizam ud Din	LIGS Diverticular disease of intestine Dr. Naheed	CLINICAL ROTATIONS (8:00 AM to 2:00 PM)
8:45am - 9:25am		LGIS Ano-rectal abnormalities Dr.Zakar Naqvi	LGIS Surgical skin conditions(ulcers, abscess,sinus and fistula) Dr. Ejaz Raja	LGIS Enteric fistula and short bowel syndrome Dr. Farzana	LGIS Lower GI Bleeding Prof. Adnan	
9:30am- 2:00pm	CLINICAL ROTATIONS	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 infectious/non-infectious disease Module – Final Year

Week □ 2

Time	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
8:00am-8:40am	LGIS Aortic aneurysm and mesenteric ischemia Dr. Ziyad	LGIS Approach to a patient with burns Prof. Adnan	LGIS Tuberculosis Prof. Javed Rathore	LGIS Polio and enteroviral infections Dr. Tahir Aziz	LGIS Haemorrhagic fevers Prof. Javed Rathore	CLINICAL ROTATIONS (8:00 AM to 2:00 PM)
8:45am-9:25am	LGIS Liver resection and transplant (update) Prof. Adnan	LGIS Liver abscess and hydatid disease Dr. Ejaz Raja	LGIS Enteric Fever Dr. Bashir Taranbu	LGIS Tuberculosis (paediatric aspects) Dr. Naem	LGIS Acute diarrhea/dysentery Dr. Manzoor	
9:30am-2:00pm	CLINICAL ROTATIONS	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 infectious/non-infectious disease Module – Final Year
Week-3

Date	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
Time						
8:00am - 8:40am	LGIS Animal and human bites Dr. Khalid Awan	LGIS Immunization against infectious diseases Dr. Manzoor	LGIS Chicken Pox and zoster Dr. Naeem	LGIS Worm infestations Dr. Naeem	LGIS Diphtheria and pertussis Dr. Manzoor	CLINICAL ROTATIONS (8:00 AM to 2:00 PM)
8:45am - 9:25am	LGIS Anti-Microbial therapy Prof. Arif	LGIS Tetanus and Gas gangrene Maj. Dr. Shahid	LGIS Malaria Dr. Naeem	LGIS Leishmaniasis Dr. Munazza	LGIS Measles, mumps and rubella Dr. Manzoor	
9:30am- 2:00pm	CLINICAL ROTATIONS	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	

RESOURCE FOR LEARNING

Reference Books

- Harrison's principle of medicines 19th edition 2015
- Davidson's principles & Practice of medicine 20th edition 2006
- KUMAR & CLARK CLINICAL MEDICINE SEVENTH EDITION 2009
- ESSENTIALS OF HEMATOLOGY SHIRISH M KAWTHALKAR FIRST EDITION
CLINICAL MEDICINE, 6TH EDITION, PERVEEN & KUMAR, PAGES 425 – 429.

Web Links

Following online medical dictionaries can be referred

WWW.NBT.gov

www.nlm.nih.gov

www.medterms.com

www.bloodmed.com

www.online-medical-dictionary.org

www.medscape.com

www.jpathology.com

www.cdc.com



Inquires & trouble shooting

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