

**DEPARTMENT OF MEDICINE**  
**MGM MEDICAL COLLEGE, NAVI MUMBAI**

<b>WEEK</b>	<b>Date</b>	<b>Competency</b>	<b>Topic</b>	<b>Integration</b>	
1	3.3.2021	IM4.1	Describe and discuss the febrile response and the influence of host immune status, risk factors and comorbidities on the febrile response		
		IM4.2	Describe and discuss the influence of special populations on the febrile response including: the elderly, immune suppression, malignancy and neutropenia, HIV and travel		
		IM4.3	Discuss and describe the common causes, pathophysiology and manifestations of fever in various regions in India including bacterial, parasitic and viral causes (e.g.Dengue, Chikungunya, Typhus)		
2	10.3.2021	IM4.6	Discuss and describe the pathophysiology and manifestations of malaria		
3	17.3.2021	IM4.22	Describe and discuss the pharmacology, indications, adverse reactions, interactions of antimalarial drugs and basis of resistance		
4	24.3.2021	IM4.7	Discuss and describe the pathophysiology and manifestations of the sepsis syndrome		
5	31.3.2021	IM3.1	Define, discuss, describe and distinguish community acquired pneumonia, nosocomial pneumonia and aspiration pneumonia		
		IM3.2	Discuss and describe the aetiologies of various kinds of pneumonia and their microbiology		
6	7.4.2021	IM3.3	Discuss and describe the pathogenesis, presentation, natural history and complications of pneumonia	Pathology, Microbiology	Nested
		IM3.15	Describe and enumerate the indications for hospitalisation in patients with pneumonia		
		IM3.16	Describe and enumerate the indications for isolation and barrier nursing in patients with pneumonia		
7	21.4.2021	IM3.17	Describe and discuss the supportive therapy in patients with pneumonia including oxygen use and indications for ventilation	Microbiology	Nested

		IM3.19	Discuss, describe, enumerate the indications and communicate to patients on pneumococcal and influenza vaccines		
8	28.4.2021.	IM25.1	Describe and discuss the response and the influence of host immune status, risk factors and comorbidities on zoonotic diseases (e.g. Leptospirosis, Rabies) and non-febrile infectious disease (e.g. Tetanus)		
9	5.5.2021	IM25.2	Discuss and describe the common causes, pathophysiology and manifestations of these diseases		
		IM25.3	Describe and discuss the pathophysiology and manifestations of these diseases		
		IM25.8	Enumerate the indications for use of newer techniques in the diagnosis of these infections		
10	12.5.2021	IM4.8	Discuss and describe the pathophysiology, aetiology and clinical manifestations of fever of unknown origin (FUO) including in a normal host, neutropenic host, nosocomial host and a host with HIV disease		
11	19.5.2021	IM4.16	Enumerate the indications and describe the findings in tests of inflammation and specific rheumatologic tests, serologic testing for pathogens including HIV, bone marrow aspiration and biopsy		
12	26.5.2021	IM4.18	Enumerate the indications for use of imaging in the diagnosis of febrile syndromes		
13	2.6.2021	IM6.1	Describe and discuss the symptoms and signs of acute HIV seroconversion		
		IM6.2	Define and classify HIV AIDS based on the CDC criteria		
14	9.6.2021	IM6.3	Describe and discuss the relationship between CDC count and the risk of opportunistic infections	Microbiology	Nested
		IM6.4	Describe and discuss the pathogenesis, evolution and clinical features of common HIV related opportunistic infections		
15	30.6.21	IM6.5	Describe and discuss the pathogenesis, evolution and clinical features of common HIV related malignancies	Pathology, Microbiology	Nested

		IM6.6	Describe and discuss the pathogenesis, evolution and clinical features of common HIV related skin and oral lesions		
16	7.7.2021	IM6.16	Discuss and describe the principles of HAART, the classes of antiretrovirals used, adverse reactions and interactions		
		IM6.17	Discuss and describe the principles and regimens used in post exposure prophylaxis		
		IM6.18	Enumerate the indications and discuss prophylactic drugs used to prevent HIV related opportunistic infections		
17	10.7.2021	IM15.3	Describe and discuss the physiologic effects of acute blood and volume loss	Pathology, Physiology General Surgery	Nested
		IM15.11	Develop, document and present a treatment plan that includes fluid resuscitation, blood and blood component transfusion, and specific therapy for arresting blood loss	General Surgery, Pathology	Nested
		IM15.12	Enumerate the indications for whole blood, component and platelet transfusion and describe the clinical features and management of a mismatched transfusion	Pathology	Nested
18	14.7.2021	IM15.1	Enumerate, describe and discuss the aetiology of upper and lower GI bleeding		
		IM15.2	Enumerate, describe and discuss the evaluation and steps involved in stabilizing a patient who presents with acute volume loss and GI bleed		
19	21.7.2021	IM15.6	Distinguish between upper and lower gastrointestinal bleeding based on the clinical features	General Surgery,	Nested
		IM15.10	Enumerate the indications for endoscopy, colonoscopy and other imaging procedures in the investigation of Upper GI bleeding	General Surgery,	
		IM15.16	Enumerate the indications for endoscopic interventions and Surgery	General Surgery,	Nested
20	28.7.2021	IM15.14	Describe and enumerate the indications, pharmacology and side effects of pharmacotherapy of pressors used in the treatment of Upper GI bleed		

		IM15.15	Describe and enumerate the indications, pharmacology and side effects of pharmacotherapy of acid peptic disease including <i>Helicobacter pylori</i>		
21	4.8.2021	IM16.1	Describe and discuss the aetiology of acute and chronic diarrhea including infectious and non infectious causes		
		IM16.6	Distinguish between diarrhea and dysentery based on clinical features		
22	4.8.2021	IM16.2	Describe and discuss the acute systemic consequences of diarrhea including its impact on fluid balance		
		IM16.3	Describe and discuss the chronic effects of diarrhea including malabsorption		
23	11.8.2021	IM16.11	Enumerate the indications for stool cultures and blood cultures in patients with acute diarrhea		
		IM16.12	Enumerate and discuss the indications for further investigations including antibodies, colonoscopy, diagnostic imaging and biopsy in the diagnosis of chronic diarrhea		
24	18.8.2021	IM16.13	Describe and enumerate the indications, pharmacology and side effects of pharmacotherapy for parasitic causes of diarrhea		
		IM16.14	Describe and enumerate the indications, pharmacology and side effects of pharmacotherapy for bacterial and viral diarrhea		
25	25.8.2021	IM16.15	Distinguish based on the clinical presentation Crohn's disease from Ulcerative Colitis	Patho/Gen surgery	Nested
		IM16.16	Describe and enumerate the indications, pharmacology and side effects of pharmacotherapy including immunotherapy		
		IM16.17	Describe and enumerate the indications for surgery in inflammatory bowel disease		