

Department of General Medicine


VIMS & RC

Teaching schedule of Theory classes for Phase III Part I MBBS students RS4 batch

Days: Mondays

Timings: 12.15 PM to 1.15 PM (Theory)

Date	Competency number	Topic	Specific Learning Objectives	Teaching faculty
1/05/23	HOLIDAY			
8/05/23	IM 9.9 IM 9.13	Macrocytic anemia	<ol style="list-style-type: none"><li>1. List causes of macrocytic anemia</li><li>2. Describe pathogenesis of various types of macrocytic anemia</li><li>3. Order and interpret for diagnosis of macrocytic anemia</li><li>4. Describe treatment for different causes of macrocytic anemia</li></ol>	Dr.Ameena
15/05/23	IM9.14 IM9.17 IM9.18	<ol style="list-style-type: none"><li>1. Describe the national programs for anemia prevention</li><li>2. Blood transfusion</li></ol>	<ol style="list-style-type: none"><li>1. Describe the indications for blood transfusion and the appropriate use of blood components</li><li>2. Describe the</li></ol>	Dr Deepak

  
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			precautions required necessary when performing a blood transfusion	
22/05/23	IM9.17	Polycythemia  Leukemia	<p>1. Define and classify polycythemia</p> <p>2. Discuss clinical features and differentiation of primary and secondary polycythemia</p> <p>3. Describe investigations and management of polycythemia rubra vera</p> <p>1. Enumerate leukemias common in adults</p> <p>2. Describe clinical features of leukemia in adults</p> <p>3. Discuss diagnosis and management of leukemia</p>	Dr Ameena

*Jan 20/05/23*  
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 20/10/23

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29/5/23	IM9.18	Multiple myeloma	Describe the clinical features, diagnosis and management of multiple myeloma.	Dr. Deepak
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Department of General Medicine

VIMS & RC


Teaching schedule of Theory classes for Phase III Part II MBBS students RS4 batch

APRIL 3<sup>RD</sup> 2023 TO JULY 16<sup>TH</sup> 2023

Days: Fridays

Timings: 12.15 PM to 1.15 PM (Theory)

Sl No	Date	Competency number	Topic	Specific Learning Objectives	Teaching faculty
1	7/04/23	IM 3.1 IM 3.2	Pneumonia	1. Define community acquired pneumonia, nosocomial pneumonia and ventilator associated pneumonia  2. Discuss etiology of pneumonia depending on setting and patient immune status  3. Describe pathogenesis, clinical features and complications of pneumonia	Dr Meenakshi kalyan
2	14/4/23	IM 3.15	Describe and enumerate the indications for hospitalization in patients with pneumonia	1. Discuss scoring system used to assess severity of pneumonia.  2. what is CURB 65 score and its importance.  3. what are indications for hospitalization in pneumonia.	Dr Meenakshi kalyan

  
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		IM 3.17	Describe and discuss the supportive therapy in patients with pneumonia including oxygen use and indications for ventilation	<ol style="list-style-type: none"> <li>1. Discuss about different types of respiratory failure</li> <li>2. what is type I respiratory failure?</li> <li>3. what are indications for supplemental oxygen therapy?</li> <li>4. Discuss indications for mechanical ventilation.</li> </ol>	
3	21/04/23	IM3.12	Select, describe and prescribe based on the most likely etiology, an appropriate empirical antimicrobial based on the pharmacology and antimicrobial spectrum	<ol style="list-style-type: none"> <li>1. what is empirical antibiotics treatment?</li> <li>2. Discuss empirical antibiotics of choice in different kinds of pneumonia</li> <li>3. Discuss antimicrobial spectrum of penicillin, fluoroquinolones, Macrolides.</li> </ol>	Dr Meenakshi kalyan
		IM3.13	Select, describe and prescribe based on culture and sensitivity appropriate impaling	<ol style="list-style-type: none"> <li>1. Discuss antibiotic selection depending on culture and sensitivity</li> </ol>	

			antimicrobial based on the pharmacology and antimicrobial spectrum.	2. Discuss antibiotic selection depending on its pharmacokinetics and pharmacodynamics properties.	
4	28/04/23	IM 3.3	Discuss and describe the pathogenesis, presentation, natural history and complications of pneumonia	<ol style="list-style-type: none"> <li>1. Describe pathogenesis of pneumonia</li> <li>2. Describe clinical features of pneumonia</li> <li>3. Discuss different complications of pneumonia</li> </ol>	Dr Meenakshi kalyan
5	5/05/23	IM 4.1	Describe and discuss the febrile response and the influence of host immune status, risk factors and comorbidities on the febrile response	<ol style="list-style-type: none"> <li>1. Define fever.</li> <li>2. Discuss the pathogenesis of fever</li> <li>3. Discuss the influence of immune host status in fever</li> <li>4. Discuss the risk factors associated with febrile response</li> <li>5. Discuss the comorbidities in febrile response</li> </ol>	DR.Tanuja.N

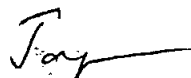
		IM 4.2	Describe and discuss the influence of special populations on the febrile response including: the elderly, immune suppression, malignancy and neutropenia, HIV and travel	<ol style="list-style-type: none"> <li>1. Discuss the influence of elderly on febrile response</li> <li>2. Discuss the influence of immune suppression on febrile response</li> <li>3. Discuss the influence of malignancy and neutropenia on febrile response</li> <li>4. Discuss the influence of HIV on febrile response.</li> <li>5. Discuss the influence of travel on febrile response</li> </ol>
		IM 4.3	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)	<ol style="list-style-type: none"> <li>1. Discuss epidemiology, etiopathogenesis, clinical features, diagnosis and treatment of enteric fever</li> <li>2. Discuss epidemiology, etiopathogenesis, clinical features, diagnosis and treatment of cholera</li> <li>3. Discuss epidemiology, etiopathogenesis, clinical features, diagnosis and treatment of diphtheria</li> <li>4. Discuss epidemiology,</li> </ol>

				<p>etiopathogenesis, clinical features, diagnosis and treatment of syphilis</p> <p>5. Discuss epidemiology, etiopathogenesis, clinical features, diagnosis and treatment of leptospirosis</p> <p>6. Discuss epidemiology, etiopathogenesis, clinical features, diagnosis and treatment of brucellosis</p> <p>7. Discuss epidemiology, etiopathogenesis, clinical features, diagnosis and treatment of rickettsial infections</p> <p>8. Discuss epidemiology, etiopathogenesis, clinical features, diagnosis and treatment of chlamydial infections</p> <p>9. Discuss epidemiology, etiopathogenesis, clinical features, diagnosis and treatment of arthropod borne infections</p> <p>10. Discuss epidemiology, etiopathogenesis,</p>
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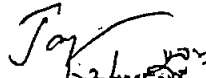
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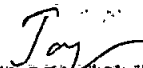
		IM4.4	Describe and discuss the pathophysiology and manifestations of inflammatory causes of fever	<p>clinical features, diagnosis and treatment of rabies</p> <p>11. Discuss epidemiology, etiopathogenesis, clinical features, diagnosis and treatment of measles and mumps</p> <p>12. Discuss epidemiology, etiopathogenesis, clinical features, diagnosis and treatment of malaria</p> <p>13. Discuss epidemiology, etiopathogenesis, clinical features, diagnosis and treatment of fungal infections</p> <p>14. Discuss epidemiology, etiopathogenesis, clinical features, diagnosis and treatment of plague and other Yersinia infections</p> <p>1. Describe the pathophysiology of chronic inflammatory causes of fever</p> <p>2. Describe the manifestations of chronic inflammatory causes of fever</p> <p>3. List all inflammatory causes of fever</p>
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6	12/05/23	IM4.3	<p>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)</p>	<ol style="list-style-type: none"> <li>1. Discuss epidemiology, etiopathogenesis, clinical features, diagnosis and treatment of enteric fever</li> <li>2. Discuss epidemiology, etiopathogenesis, clinical features, diagnosis and treatment of cholera</li> <li>3. Discuss epidemiology, etiopathogenesis, clinical features, diagnosis and treatment of diphtheria</li> <li>4. Discuss epidemiology, etiopathogenesis, clinical features, diagnosis and treatment of syphilis</li> <li>5. Discuss epidemiology, etiopathogenesis, clinical features, diagnosis and treatment of leptospirosis</li> <li>6. Discuss epidemiology, etiopathogenesis, clinical features, diagnosis and treatment of brucellosis</li> <li>7. Discuss epidemiology, etiopathogenesis,</li> </ol>	Dr Tanuja.N
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				<p>clinical features, diagnosis and treatment of rickettsial infections</p> <p>8. Discuss epidemiology, etiopathogenesis, clinical features, diagnosis and treatment of chlamydial infections</p> <p>9. Discuss epidemiology, etiopathogenesis, clinical features, diagnosis and treatment of arthropod borne infections</p> <p>10. Discuss epidemiology, etiopathogenesis, clinical features, diagnosis and treatment of rabies</p> <p>11. Discuss epidemiology, etiopathogenesis, clinical features, diagnosis and treatment of measles and mumps</p> <p>12. Discuss epidemiology, etiopathogenesis, clinical features, diagnosis and treatment of malaria</p> <p>13. Discuss epidemiology, etiopathogenesis, clinical features, diagnosis and treatment of fungal</p>	
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				infections 14. Discuss epidemiology, etiopathogenesis, clinical features, diagnosis and treatment of plague and other Yersinia infections	
7	19/05/23	IM4.5	Describe and discuss the pathophysiology and manifestations of malignant causes of fever including hematologic and lymph node malignancies	<ol style="list-style-type: none"> <li>1. Describe the pathophysiology and manifestations of CML</li> <li>2. Describe the pathophysiology and manifestations of AML</li> <li>3. Describe the pathophysiology and manifestations of NHL</li> <li>4. Describe the pathophysiology and manifestations of HL</li> <li>5. Describe the pathophysiology and manifestations of aplastic anemia</li> <li>6. Describe the pathophysiology and manifestations of CLL</li> <li>7. Describe the pathophysiology and manifestations of Multiple Myeloma</li> </ol>	
8	26/05/23	IM4.6	Discuss and describe the pathophysiology and manifestations of malaria	<ol style="list-style-type: none"> <li>1. Describe the etiology and epidemiology of Malaria</li> <li>2. Describe the pathogenesis of Malaria</li> <li>3. Clinical features of Malaria</li> </ol>	Dr Tanuja.N

*Jay*  
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		IM4.22	Describe and discuss the pharmacology, indications, adverse reactions, interactions of antimalarial drugs and basis of resistance	<ol style="list-style-type: none"> <li>4. Complications of malaria</li> <li>5. Management – diagnosis and treatment of malaria</li> <li>6. Prevention of malaria – general measures and chemoprophylaxis</li> </ol> <ol style="list-style-type: none"> <li>1. Discuss the pharmacology of antimalarial drugs</li> <li>2. Discuss the indications of antimalarial drugs</li> <li>3. Discuss the adverse effects of antimalarial drugs</li> <li>4. Discuss the resistance that has developed in antimalarial drugs</li> </ol>	
9	2/06/23	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	<ol style="list-style-type: none"> <li>1. Discuss the influence of elderly on febrile response</li> <li>2. Discuss the influence of immune suppression on febrile response</li> <li>3. Discuss the influence of malignancy and neutropenia on febrile response</li> <li>4. Discuss the influence of HIV on febrile response.</li> <li>5. Discuss the influence of travel on febrile response</li> </ol>	Dr Tanuja.N
10	9/06/23	IM4.8	Discuss and describe the pathophysiology, aetiology and clinical manifestations of fever of unknown origin (FUO) including in a	<ol style="list-style-type: none"> <li>1. Define PUO</li> <li>2. Types of PUO</li> <li>3. Etiology of PUO</li> <li>4. Pathophysiology of PUO</li> <li>5. Management of PUO</li> </ol>	Dr Tanuja.N

  
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			normal host, neutropenic host, nosocomial host and a host with HIV disease		
11	16/06/23	IM 4.1	Describe and discuss the febrile response and the influence of host immune status, risk factors and comorbidities on the febrile response	<p>Define fever.</p> <p>Discuss the pathogenesis of fever</p> <p>Discuss the influence of immune host status in fever</p> <p>Discuss the risk factors associated with febrile response</p> <p>Discuss the comorbidities in febrile response</p>	Dr Akshatha.S
12	23/06/23	IM 4.16  IM.4.18	<p>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</p> <p>Enumerate the indications for use of imaging in the diagnosis of febrile syndromes</p>	<p>Enumerate the tests to diagnose CTDs</p> <p>Management of HIV</p> <p>Role of Bone Marrow Biopsy and aspiration in fever</p> <p>Diagnosis of Acute Rheumatic fever</p> <p>1. Role of Chest Xray in PUO.</p> <p>2. Role of Ultrasound abdomen in febrile illness</p> <p>3. Importance of doing 2DEcho in PUO</p> <p>4. Role of brain</p>	Dr Akshatha.S

	imaging in febrile illness				13
Dr Akshatha.S	<ol style="list-style-type: none"> <li>1. Define PUO</li> <li>2. Types of PUO</li> <li>3. Aetiology of PUO</li> <li>4. Pathophysiology of PUO</li> <li>5. Management of PUO</li> </ol>	Discuss and describe the pathophysiology, etiology and clinical manifestations of fever of unknown origin (FUO) including in a normal host, neutropenic host, nosocomial host and a host with HIV disease	IM4.23	30/06/23	
Dr Akshatha.S	<ol style="list-style-type: none"> <li>1. Describe the pathophysiology and manifestations of CML</li> <li>2. Describe the pathophysiology and manifestations of AML</li> <li>3. Describe the pathophysiology and manifestations of NHL</li> <li>4. Describe the pathophysiology and manifestations of HL</li> <li>5. Describe the pathophysiology and manifestations of aplastic anemia</li> <li>6. Describe the pathophysiology and manifestations of CLL</li> <li>7. Describe the</li> </ol>	Describe and discuss the pathophysiology and manifestations of malignant causes of fever including hematologic and lymph node malignancies	IM 4.5	07/07/23	14

		IM 4.6	Discuss and describe the pathophysiology and manifestations of malaria	<p>pathophysiology and manifestations of Multiple Myeloma</p> <ol style="list-style-type: none"> <li>1. Describe the etiology and epidemiology of Malaria</li> <li>2. Describe the pathogenesis of Malaria</li> <li>3. Clinical features of Malaria</li> <li>4. Complications of malaria</li> <li>5. Management – diagnosis and treatment of malaria</li> <li>6. Prevention of malaria – general measures and chemoprophylaxis</li> </ol>	
15	14/07/23	IM4.5	Describe and discuss the pathophysiology and manifestations of malignant causes of fever including hematologic and lymph node malignancies	<ol style="list-style-type: none"> <li>1. Describe the pathophysiology and manifestations of CML</li> <li>2. Describe the pathophysiology and manifestations of AML</li> <li>3. Describe the pathophysiology and manifestations of NHL</li> <li>4. Describe the pathophysiology and manifestations of HL</li> <li>5. Describe the pathophysiology and manifestations of aplastic anemia</li> <li>6. Describe the pathophysiology and manifestations of CLL</li> <li>7. Describe the pathophysiology and manifestations</li> </ol>	Dr Akshatha.S

  
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		IM 4.6	Discuss and describe the pathophysiology and manifestations of malaria	of Multiple Myeloma	
				<ol style="list-style-type: none"> <li>1. Describe the etiology and epidemiology of Malaria</li> <li>2. Describe the pathogenesis of Malaria</li> <li>3. Clinical features of Malaria</li> <li>4. Complications of malaria</li> <li>5. Management – diagnosis and treatment of malaria</li> <li>6. Prevention of malaria – general measures and chemoprophylaxis</li> </ol>	

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Teaching schedule of Small group discussion for Phase III Part II MBBS students RS4  
batch (CBME)

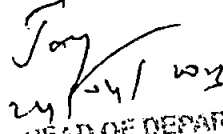
Days: Monday/ Saturday (2-4pm)

Timings: 2. PM to 4 PM (Small group discussion)

Date	Competency number	Topic	Specific Learning Objectives	TL methods	Teaching Faculty
01/5/2023		HOLIDAY			
08/5/2023 (Monday)	IM4.23	Prescribe drugs for malaria based on the species identified, prevalence of drug resistance	<ol style="list-style-type: none"><li>1. Name the drugs given in plasmodium malaria.</li><li>2. Name the drugs given in vivax malaria.</li><li>3. Recent approach in treatment due to drug resistance</li><li>4. National Vector Borne Disease Control Programme</li></ol>	SGD	Dr Jithendra Dr Mary

*Jay*  
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	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.	<ol style="list-style-type: none"> <li>1. Define PUO</li> <li>2. Types of PUO</li> <li>3. Etiology of PUO Pathophysiology of PUO</li> <li>4. Management of PUO</li> </ol>		
15/5/2023 (Monday)	IM1.18 PY5.5	Describe the physiology of electrocardiogram (E.C.G), its applications and the cardiac axis.	ECG	SGD	Dr Lokesh Dr Sravani
	IM1.18 PY 5.6	Describe abnormal ECG, arrhythmias, heart block and myocardial infarction	ECG		
20/5/2023 (Saturday)	IM10.2 BI11.4	Perform urine analysis to estimate and determine normal and abnormal constituents	URINE ANALYSIS	SGD	Dr Jayashankar Dr Chaitra
	IM9.1 PA13.1	Describe haematopoiesis and extramedullary haematopoiesis	SPLENOMEGALY HYPERSPLENISM		
22/5/2023 (Monday)	IM9.4 PA19.6	Enumerate and differentiate the causes of	SPLENOMEGALY HYPERSPLENISM	SGD	Dr Rama Mishra Dr Shwetha

  
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	IM9.9 IM14.2	splenomegaly  Describe the aetiology, investigations and differential diagnosis of microcytic hypochromic anaemia	HAEMOGLOBINO PATHIES		
29/5/2023 (Monday)	IM9.12 PA17.1	Enumerate the etiology, pathogenesis and findings in aplastic anaemia	APLASTIC ANEMIA	SGD	Dr. Meenakshi Dr Sarika
	IM9.11 PA17.2	Enumerate the indications and describe the findings in bone marrow aspiration and biopsy	APLASTIC ANEMIA		

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Department of General Medicine

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Teaching schedule of Small group discussion for Phase III Part I MBBS students RS4  
batch (CBME)

Days: Monday.

Timings: 2. PM to 4 PM (Small group discussion).

Date	Competency number	Topic	Specific Learning Objectives	TL methods	Teaching Faculty
01/5/2023		HOLIDAY		SGD	
08/5/2023	IM 9.11  IM9.17 IM9.18	Bone marrow biopsy  Blood transfusion	Indications for bone marrow biopsy and describe the procedure.  Indications for various blood component therapies and precautions taken while transfusing blood components.	SGD	Dr Deepak Dr Sarika
15/5/2023	IM9.19	Assist in a blood transfusion	Describe the procedures involved in blood transfusion and monitor for adverse events.	SGD	Dr Ameena Dr Shwetha

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	IM11.12 IM11.13	Bedside investigations in a patient with Diabetes mellitus	Perform and interpret the Capillary blood glucose monitoring and Urinary ketone estimation.		
22/5/2023	IM11.11 IM11.16 IM11.17 IM11.18 IM11.22	Management of Diabetes Mellitus.	Interpretation of investigations ordered for the Diagnosis of Diabetes mellitus and its complications.	SGD	Dr Mary Dr Chaitra
29/5/2023	IM11.11 IM11.16 IM11.17 IM11.18 IM11.22	Management of Diabetes Mellitus.	Pharmacotherapy of Diabetes mellitus  -Indications Contraindications, Side effects and interactions	SGD	Dr Aditya Dr Josna

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Department of General Medicine

VIMS & RC

Teaching schedule of Theory classes for 2<sup>nd</sup> year MBBS  
students(RS4 batch)

Timings: 11.15 AM to 12.15 PM on Saturdays

Date	Topic	Specific Learning Objectives	Teaching faculty
18/3/2023	OBESITY & METABOLISM	<ul style="list-style-type: none"><li>- definition</li><li>- measurement (WHO/Indian guidelines)</li><li>- etiology</li><li>- risk factors</li><li>- secondary causes</li></ul>	Dr. Shwetha.
25/3/2023	OBESITY & METABOLISM	<ul style="list-style-type: none"><li>- causes</li><li>- pathogenesis</li><li>- eating habits, food, physical activity and environment in weight management.</li></ul>	Dr. Mary Susan.
1/4/2023	OBESITY & METABOLISM	<ul style="list-style-type: none"><li>- monogenic forms of obesity and variants</li><li>- natural history</li><li>- pathophysiology</li><li>- complications</li><li>- implications in</li></ul>	Dr. Shwetha.

		other organ systems	
8/4/2023	OBESITY & METABOLISM	<ul style="list-style-type: none"> <li>- Non pharmacological methods of weight loss.</li> <li>- Pharmacotherapy for obesity : indication of drugs in obesity management; mechanism of action, usage and adverse affects of these drugs.</li> </ul>	Dr. Mary Susan.
15/4/2023	OBESITY & METABOLISM	<p>Bariatric Surgery</p> <ul style="list-style-type: none"> <li>- concept</li> <li>- benefits</li> <li>- indications</li> <li>- methods (in detail)</li> <li>- advantages and disadvantages</li> <li>- complications</li> </ul>	Dr. Shwetha.
22/4/2023	OBESITY & METABOLISM	Education, prevention of obesity and promoting healthy lifestyle	Dr. Mary Susan.
29/4/2023	NUTRITION AND VITAMIN DEFICIENCIES	<p>Nutritional Assessment</p> <ul style="list-style-type: none"> <li>- Physiology of</li> </ul>	Dr. Shwetha.



		<p>nutrition</p> <ul style="list-style-type: none"> <li>- Regulation of energy balance</li> <li>- Micro nutrients and macro-nutrients</li> <li>- Consequences of over and under nutrition</li> </ul>	
6/5/2023	NUTRITION AND VITAMIN DEFICIENCIES	<p>Nutritional Assessment</p> <ul style="list-style-type: none"> <li>- Recommendations of macro and micro nutrients</li> <li>- caloric requirements in health and illnesses</li> <li>- special circumstances like pregnancy and lactation</li> <li>- Anthropometric measurements and methods</li> </ul>	Dr. Mary Susan.
13/5/2023	NUTRITION AND VITAMIN DEFICIENCIES	<p>Protein Calorie Malnutrition</p> <ul style="list-style-type: none"> <li>● Physiology of protein metabolism</li> <li>● causes, consequences, investigations</li> </ul> <p>Concept of under</p>	Dr. Shwetha.

		<p>nutrition</p> <p>Energy Balance in oldage</p> <p>Nutritional Support</p>	
20/5/2023	NUTRITION AND VITAMIN DEFICIENCIES	<p>Common Vitamin Deficiencies</p> <ul style="list-style-type: none"> <li>● Fat and water soluble vitamins</li> <li>● Common causes of vitamin deficiencies</li> <li>● Vitamin A deficiency (in detail including toxicity)</li> <li>● Vitamin D deficiency (in detail)</li> </ul>	Dr. Mary Susan.
27/5/2023	NUTRITION AND VITAMIN DEFICIENCIES	<p>Common Vitamin Deficiencies : etiology, causes, clinical manifestations, complications, diagnosis and management of</p> <ul style="list-style-type: none"> <li>● Vitamin E (in detail)</li> <li>● Vitamin C (in detail)</li> </ul>	Dr. Shwetha.

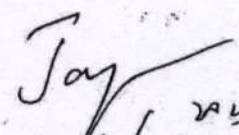
		<ul style="list-style-type: none"> <li>● Vitamin K (in detail)</li> </ul>	
3/6/2023	NUTRITION AND VITAMIN DEFICIENCIES	<p>Common Vitamin Deficiencies : etiology, causes, clinical manifestations, complications, diagnosis and management of</p> <ul style="list-style-type: none"> <li>● Vitamin B2 (riboflavin)</li> <li>● Vitamin B3 (niacin)</li> </ul>	Dr. Mary Susan.
10/6/2023	NUTRITION AND VITAMIN DEFICIENCIES	<p>Common Vitamin Deficiencies : etiology, causes, clinical manifestations, complications, diagnosis and management of</p> <ul style="list-style-type: none"> <li>● Vitamin B6 (Pyridoxine)</li> <li>● Vitamin B12 and Folate</li> </ul>	Dr. Shwetha.
17/6/2023	NUTRITION AND VITAMIN DEFICIENCIES	Inorganic nutrients, minerals and their importance in health and illnesses	Dr. Mary Susan.

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*Jay*  
23/03/2023

HEAD OF DEPARTMENT  
OF GENERAL MEDICINE  
Vydehi Institute of Medical Sciences  
& Research Centre  
Mallurahalli, EPIP Area,  
Whitefield, Bangalore - 560066

24/6/2023	NUTRITION AND VITAMIN DEFICIENCIES	<p>Indication for enteral and parenteral nutrition in critically ill patients</p> <ul style="list-style-type: none"> <li>● Methods</li> <li>● procedures</li> <li>● Description</li> <li>● Medical, ethical, legal complications and considerations in management of artificial nutritional support.</li> <li>● Refeeding Syndrome and its implications</li> </ul>	Dr. Shwetha.
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 15/1/21/2012  
 HEAD OF DEPARTMENT  
 OF GENERAL MEDICINE  
 Vydehi Institute of Medical Sciences  
 & Research Centre  
 K. Narahalli, EPIP Area,  
 Whitefield, Bangalore -560066