



Jawaharlal Institute of Postgraduate Medical Education and Research (JIPMER)

(An Institution of National Importance under Ministry of Health & Family Welfare,
Government of India) Dharmapuri Nagar,
Puducherry - 605 006.



No.Edn.5 (3)/MBBS/MT/2020

Dated : 20 JAN 2020

SCHEDULE FOR MODULAR TEACHING

Month: January & February, 2019

Batch: 6th semester MBBS(Puducherry & Karaikal Campus)

Time : 02.00 PM – 4.30 PM

I – MODULE FOCUS - ANEMIA

Date	Topics	Departments
27.01.2020	(Hour-1) - Hematopoiesis and Pathogenesis of anemia (Hour-2) – Etiology & Clinical features/ Plan of Investigation	Pathology Medicine
29.01.2020	(Hour-3 and 4) – Interpretation of Lab Reports (including B.M)	Pathology, Medicine
30.01.2020	(Hour-5 and 6) – Management & Follow up approach	Medicine Medicine
31.01.2020	Post test	Pathology, Medicine
<u>II- MODULE FOCUS:JAUNDICE</u>		
03.02.2020	Hour-1 – Bilirubin Metabolism; Liver function Hour-2- Pathophysiology of Jaundice	Biochemistry Medicine
05.02.2020	(Hour-3 and 4) – Etiology & Clinical features & plan of investigation	Medicine
06.02.2020	(Hour-5)- Obstructive Jaundice Neonatal Jaundice	Surgery Pediatrics
07.02.2020	(Hour-7)- Medical Management approach Hour 8 - Surgical Management Post test	Medicine Surgery Medicine



III- MODULE FOCUS - Cardio-respiratory function

Date	Hours	Topics	Departments
10.02.2020	Pre-test Ventilation; gas exchange; work of breathing		Prepared by Medicine Physiology
12.02.2020	(Hour-3) – Dyspnea; Mechanisms (Hour-4) - Etiology and approach to a patient with dyspnea		Pulmonary Medicine Medicine
13.02.2020	(Hour-5) – Respiratory failure - definition, types, pathophysiology (Hour 6) Cyanosis; other clinical features of hypoxemia/ hypercarbia		Pulmonary Medicine Medicine
14.02.2020	(Hour-7,8) – Oxygen therapy; NIV; Mechanical ventilation Post test & Discussion on Pre & Post test		Medicine Medicine

Date	IV- MODULE FOCUS: Febrile Patient	Department
17.02.2020	(Hour-1) – Pre-test (Hour-2)- Physiology of regulation of temperature; Fever patterns	Prepared by Medicine Physiology
19.02.2020	(Hour-3) – Etiology & Approach of febrile patient (Hour-4)- Microbiological investigations in a patient with fever	Medicine Microbiology
20.02.2020	(Hour-5) – Special situation: Critically ill febrile patient (Hour-6)- Special situation: Febrile Child	Emergency medicine Pediatrics
21.02.2020	(Hour-7)- Care of a patient with fever, empirical therapy, principles of antimicrobial usage (Hour-8) – Post test & Discussion on Pre & Post test	Medicine Medicine

V- MODULE FOCUS: BURN

24.02.2020	Pre-test Physiological aspects, Definition, Classification	Plastic surgery Plastic surgery
26.02.2020	(Hour-3)- Initial Stabilization (how to stabilize, when & where to refer & admit) (Hour-4) – Fluid and Nutritional Management	Emergency Medicine
27.02.2020	(Hour-5)- Treatment options including various artificial skin Post Test & Discussion on Pre & Post Test	Plastic Surgery


DEAN (Academic)

DEAN (ACADEMIC)

Jawaharlal Institute of Postgraduate

**Medicine & Research
PUDUCHERRY - 605 006.**

To

The HOD of Medicine/Pathology/Biochemistry/Surgery/Paediatrics/Physiology/Microbiology/Emergency Medicine/Pulmonary Medicine

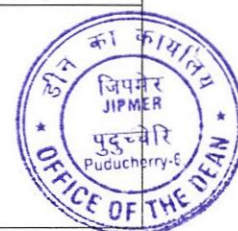
Copy to: 1. Karaikal Project Office(UG Seat)/Incharge of Hunter Theatre

2. Notice Board(Osler House/Curie House/Institute/Academic Section)

The non-involvement of the students in the modular teaching exercise has been evident in the past few years. To enhance their participation, the following change in methodology has been provided. Please see the example of a module on anemia. Students can be given scenarios or activities which they can present during the module. Students need to approach the Departments beforehand to get involved.

MODULE FOCUS - ANEMIA

Date	Topics	Departments	Students
27.01.2020	Pre-test Hematopoiesis and Pathogenesis of anemia Etiology & Clinical features/ Plan of Investigation	By Medicine Pathology, Medicine	6th sem Batch A (Pathology), Batch B (Medicine)
<p>a. Pathology</p> <p>Scenario: (student presentations)</p> <ol style="list-style-type: none"> 1. A 15 year old boy has had progressive breathlessness on exertion. He was noted to have pallor. Peripheral smear revealed microcytic hypochromic RBCs. Stool examination suggested hookworm infestation. What is the pathogenesis of this form of anemia? 2. A 30 year old lady has had breathlessness for two months. Now she has noted bleeding while brushing the teeth for one week duration. Clinically she has pallor, there is no splenomegaly or lymphadenopathy. Peripheral smear shows pancytopenia with reduced reticulocyte count. What is the pathogenesis of this form of anemia? 3. A 20 year old girl has had breathlessness for three weeks duration. Clinically pallor, mild jaundice and splenomegaly (4 cm below left costal margin) are noted. Hemogram reveals only anemia (Hb 4.0 gm/dl). Biochemically serum bilirubin, LDH and AST are elevated. What is the pathogenesis of this form of anemia? <p>Presentation by Pathology faculty member: Salient points in pathogenesis of anemia</p>			
<p>b. Medicine</p> <ol style="list-style-type: none"> 1. A presentation on clinical features (mainly anemia related) by a student 2. A presentation on etiology of anemia by next student 3. A presentation by medicine faculty member on an overall investigation plan for a patient with anemia 			
29.01.2020	Interpretation of Lab Reports (including B.M)	Pathology, Medicine	Students (same as above)
<p>a. Pathology</p> <ol style="list-style-type: none"> 1. Slide on microcytic anemia ps- presentation by student 2. Slide on macrocytic anemia ps- presentation by student 3. Slide on hemolytic anemia ps - presentation by student 4. Slide on aplastic anemia 			



Salient points on the above and brief presentation on bone marrow findings in primary marrow disorders - Pathology faculty member			
30.01.2020	Management & Follow up approach	Medicine	Students (same as above)
	Post test	Medicine	
<p>1. Scenario (student presentation) A patient with rheumatoid arthritis is noted to have anemia. Other cell lines are normal. PS revealed normocytic RBCs. Serum ferritin level was 600 ng/ml. Transferrin saturation was 10%. What is the diagnosis and how do you derive it?</p> <p>2. Presentation by students on rx of iron deficiency anemia and megaloblastic anemia</p> <p>Salient points on the above and brief principles of management on autoimmune hemolytic anemia and aplastic anemia.</p> <p>Post-test</p>			

To
The HOD of Medicine/Pathology


Dean (Academic)

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