



**Sri Ramachandra Medical College & Research Institute**  
**MBBS Professional year - II (Batch: 2024-2025)**  
**Month 1 Schedule Cell Injury, Inflammation, General Microbiology, General Pharmacology & Autacoids**

TIME	Day-1 06.10.2025 Monday	Day-2 07.10.2025 Tuesday	Day-3 08.10.2025 Wednesday	Day-4 09.10.2025 Thursday	Day-5 10.10.2025 Friday	11.10.2025 Saturday
8-9 AM	<b>S1 Orientation</b> 9-10.00 am	<b>S5 (L) MI 1.2</b> Morphology of bacterial cell, Growth Requirements of bacteria ( <b>Micro</b> ) <b>Dr Anupma Jyoti Kindo</b>	<b>S9 (L) PH 1.6, PH 1.9</b> Pharmacokinetics-I ( <b>Pharm</b> ) <b>Dr.S.Ramya</b>	<b>S13(L)</b> <b>MI 1.12,1.13</b> Sterilisation ( <b>Micro</b> ) <b>Dr Tessa Antony</b>	<b>S17 (L) PA 2.3, 2.4, 2.5</b> Intracellular accumulation. Cell death-Types, mechanisms. Necrosis and basics of apoptosis Autolysis. Pathology of calcification and gangrene ( <b>Path</b> ) <b>Dr. Leena D Joseph</b>	<b>Holiday</b>
9AM-12 PM	<b>Clinical Postings</b> <b>Learner Doctor Method &amp; Skills Training</b>					
1-2 PM	<b>S2 (L) PA1.1-1.2</b> Introduction to Pathology, role of Pathologist & History of pathology ( <b>Path</b> ) <b>Dr Leena D Joseph</b>	<b>S6 (L) PH 1.4, PH1.5</b> Routes of drug administration & drug formulations ( <b>Pharm</b> ) <b>Dr.D.Anusha</b>	<b>S10 (L) MI 1.1, 1.2</b> Normal Microbial flora, Role of Microbes in health and disease ( <b>Micro</b> ) <b>Dr Senita Samuel</b>	<b>S14</b> <b>Mentor-Mentee Meeting</b>	<b>S18 (L) PA 3.1</b> <b>Case introduction – 1</b> Inflammation- definition, purpose, classification, cardinal signs. General signs of acute and chronic inflammation Vascular and cellular events of acute inflammation ( <b>Path</b> ) <b>Dr. Barathi</b>	
2-3 PM	<b>S3 (L) MI 1.1</b> Introduction & history of Microbiology ( <b>Micro</b> ) <b>Dr Shanthi M</b>	<b>S7 (L) PA 2.1, 2.2, 2.6</b> Cell Injury causes, mechanisms, free radical injury. Reversible and irreversible cell injury. Cellular adaptations & sub cellular responses to injury ( <b>Path</b> ) <b>Dr Leena D Joseph</b>	<b>S11 (L) PA 2.7</b> Apoptosis & Cellular aging ( <b>Path</b> ) <b>Dr. Lawrence D cruze</b>	<b>S15 (L) MI 1.12,1.13</b> Disinfection ( <b>Micro</b> ) <b>Dr Premamalini T</b>	<b>S19 (L) MI 1.1, 1.2</b> Pathogenesis of infections and virulence factors ( <b>Micro</b> ) <b>Dr Sribal S</b>	
3-4 PM	<b>S4 (L) PH1.1, PH 1.3, PH 10.1</b> Introduction to Pharmacology, drug nomenclature &Pharmacotherapeutics ( <b>Pharm</b> ) <b>Dr.R.Kavitha</b>	<b>S8 (L) MI 1.4</b> Culture media and culture methods ( <b>Micro</b> ) <b>Dr Swati Kumari</b>	<b>S12 (L) FM1.1, 1.2</b> Introduction Legal Medicine and Medical Jurisprudence, history of forensic Medicine ( <b>FM</b> ) <b>Dr. Priyadarshree Pradhan</b>	<b>S16 (L)</b> <b>PH 1.6, PH 1.9</b> Pharmacokinetics II ( <b>Pharm</b> ) <b>Dr.V.P.Karthik</b>	<b>S20 (L)</b> <b>CM 7.1</b> Epidemiology-1 ( <b>CM</b> ) <b>Dr.Pankaj B Shah</b>	

Pathology	Pharmacology	Microbiology	Forensic Medicine	Community Medicine	General Medicine	General Surgery	Obstetrics & Gynaecology	AETCOM
AITo Anaemia	AITo IHD	AITo Hypertension	AITo Tuberculosis	AITo Diabetes Mellitus	AITo Thyroid	Case resolution	Linker	

L- lecture; IL- Integrated learning; VI- Vertical integration ; HI -Horizontal integration ; SDL- Self directed learning; IA-internal assessment; OSPE- Objective structured Practical examination; FA-Formative assessment; AITo- Alignment and Integration topics ; PA- Pathology; MI- Microbiology; PH-Pharmacology ;FM-Forensic Medicine; CM-Community Medicine; PY-Physiology; BC-Biochemistry; AN-Anatomy; GM-General Medicine; SU-General Surgery; OG-Obstetrics & Gynecology; PE-Paediatrics; AS-Anaesthesiology; OR-Orthopaedics; RD-Radiodiagnosis; DR-Dermatology,venereology & leprosy;PS- Psychiatry; CT-Respiratory Medicine ; EN-ENT; OP-Ophthalmology



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TIME	Day-6 13.10.2025 Monday	Day-7 14.10.2025 Tuesday	Day-8 15.10.2025 Wednesday	Day-9 16.10.2025 Thursday	Day-10 17.10.2025 Friday	Day-11 18.10.2025 Saturday
8-9 AM	S21 (L) PA 3.2 Chem Mediators of acute inflammation and its mechanism of action (Path) Dr. Barathi	S24 (L) MI 10.1, 10.2 Introduction to HAI, Major types of HAI and its surveillance and HICC (Micro) Dr Aishwarya R	S27 (L) MI 10.2, 10.3 Hand hygiene, use of PPE, Standard precautions Transmission based precautions (Micro) Dr Kruthika P	S30 (L) PH 1.11, PH 1.12 Adverse drug reaction & Pharmacovigilance (Pharm) Dr.D.Anusha	S34 (IL) PA 1.3, 4.1 Cell cycle, cellular proliferation and regenerative medicine. Wound healing (Path) Dr. Leena D Joseph	S38 (SDL) (8-9AM) Part 1 Therapeutic strategies including new drug development for covid 19(Pharm) Dr.K.Balaji Rathnam S39 (SDL) (9-10AM) MI 1.12, 1.13 Sterilization & CSSD (Micro) Dr Sribal S Dr Sathiyalakshmi M
9AM-12 PM	<b>Clinical Postings</b> <b>Learner Doctor Method &amp; Skills Training</b>					
1-2 PM	S22 (L) PH 1.7, PH 1.9 Pharmacodynamics-1 (Pharm) Dr.S.Ramya	S25 (L) PH 1.7, PH 1.9 Pharmacodynamics-2 (Pharm) Dr.J.Ilantamizhan	S28(L) PA 3.3 Chronic inflammation Definition, causes, types with example (path) Dr. Pavithra V	S31 (L) PH 1.13 Drug interactions (Pharm) Dr.P.Sowmya	S35 (L) PH10.11, PH10.12 Clinical trial & Drug regulations (pharm) Dr.V.Nidarsan	S41(L) (1-2PM) CM 7.5 Epidemiology-2 (CM) Dr.Pankaj B Shah
2-3 PM	S23 Practicals A batch - Pharm PH 1.3, PH 1.4 Drug nomenclature & Dosage forms-I Dr.Kavitha.R,Dr.P.Sowmya Dr.Ashwitha (LH3)	S26 Practicals A batch -Micro MI 1.10 Microscopy, Demo of simple stain and Gram stain Dr Shanthi M,Dr Tessa Antony, Dr Swati Kumari Dr Sathiyalakshmi Dr Sharanya Pillai (LH3)	S29 Practicals A batch - Path PA- 2.8 Gross - Fatty liver, gangrene bowel, LVH Slide - Fatty liver Dr. Divya M (LH3) B Batch - Micro - MI 1.10 Microscopy, Demo of simple stain and Gram stain Dr Anupma Jyoti Kindo Dr Sribal S, Dr Aishwarya R Dr Priya Periaiah, Dr Pavithra Devi (Demo Hall)	S32 (L) MI 10.3,1.13 BMW, NSI, Environmental cleaning, Immunisation of HCW(Micro) Dr Anish Kumaran N	S36 (L) MI 11.1 Antimicrobial agents & susceptibility testing (Micro) Dr Shanthi M	S42 (SDL) (2-3PM) PA 2.7 Apoptosis (Path) Dr.Josephine
3-4 PM	B Batch - Path PA- 2.8 Gross - Fatty liver, gangrene bowel, LVH Slide - Fatty liver Dr. Divya M (Demo Hall)	B Batch - Pharm PH 1.3, PH 1.4 Drug nomenclature & Dosage forms-I Dr.Anusha.D Dr.V.Nidarsan Dr.Shereen (Demo Hall)		S33 (L) PH 1.2, PH10.10 PH10.10 Pharmacogenomics & Therapeutic drug monitoring (Pharm) Dr.P.Sowmya	S37 (L) PH 1.2, PH10.7 Evidence based medicine & Pharmacoeconomics (Pharm) Dr.V.Nidarsan	S43 (L) (3-4PM) CM 7.5 Epidemiology-3 (CM) Dr.Pankaj B Shah

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TIME	20.10.2025 Monday	Day-12 21.10.2025 Tuesday	Day-13 22.10.2025 Wednesday	Day-14 23.10.2025 Thursday	Day-15 24.10.2025 Friday	25.10.2025 Saturday	
8-9 AM	<b>Diwali Holiday</b>	<b>S44 (SDL)</b> Part 2 Therapeutic strategies including new drug development for covid 19 <b>(Pharm) Dr.K.Balaji Rathnam</b>	<b>S47(L)</b> PH 9.5 Antiseptics and disinfectants <b>(Pharm) Dr.M.Najma Sherin</b>	<b>S50 (L)</b> MI 1.3 Bacterial genetics <b>(Micro) Dr Anupma Jyoti Kindo</b>	<b>S53 (L)</b> MI 11.2, MI 11.3 Antimicrobial resistance and antibiotic stewardship program <b>(Micro) Dr Kennedy Kumar</b>	<b>Holiday</b>	
9AM-12 PM		<b>Clinical Postings</b> Learner Doctor method & Skills training					
1-2 PM		<b>S45 (SDL)</b> MI 1.12, 1.13 Disinfection <b>(Micro) Dr Anish Kumaran N, Dr Priya Periaiah</b>	<b>S48 (IL)</b> PA 5.1 surgical wounds & wound healing <b>(Gen Surgery)</b>	<b>S51 (L)</b> PH10.8 Essential medicines, Fixed dos combinations <b>(Pharm) Dr.K.Karthika</b>	<b>S54 (L)</b> FM 1.3-1.8 Legal procedures & documentation I <b>Dr. M. Venkatesan</b>		
2-3 PM		<b>S46 (SDL)</b> PA 3.1, 3.2, 3.3 Acute Inflammation <b>(Path) Dr.P.S. Muthu Subramanian</b>	<b>S49 Practicals</b> <b>A batch - Pharm PH 1.3, 1.4</b> Drug nomenclature & Dosage forms II <b>Dr.Gowri.V Dr.J.Ilanthamizhan Dr.Ashwitha (LH3)</b>	<b>S52 Practicals</b> <b>A batch - Micro</b> MI 1.5,1.6,1.7, 1.10 Lab diagnosis of microbial infections: OSPE-Specimen collection and transport, Respect for patient samples, Communication of sample collection to relatives and clinician, Confidentiality of test results (Case scenario & Video demo) <b>Dr Premamalini Dr Sribal S,Dr Aishwarya R Dr Sathiyalakshmi Dr Sharanya Pillai (LH3)</b>	<b>S55 Practicals</b> <b>A batch - Path</b> Lab Visit <b>Dr. Archana (Demo Hall)</b> <b>B Batch - Micro</b> MI 1.5,1.6,1.7, 1.10 Lab diagnosis of microbial infections: OSPE-Specimen collection and transport, Respect for patient samples, Communication of sample collection to relatives and clinician, Confidentiality of test results (Case scenario & Video demo) <b>Dr Senita Samuel Dr Tessa Antony Dr Anish Kumaran Dr Priya Periaiah, Dr Pavithra Devi (LH3)</b>		
3-4 PM			<b>B Batch - Path</b> Lab visit <b>Dr. Archana (Demo Hall)</b>	<b>B Batch - Pharm</b> PH 1.3, 1.4 Drug nomenclature & Dosage forms II <b>Dr.Karthik.V.P Dr.K.Priya Gayathri Dr.Shereen (DEMO HALL)</b>			

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8-9 AM	S56 (L) PH1.2, 1.9 Rational use of medicines (Pharm) Dr.M.Najma Sherin	S59 (L) MI 1.2,1.4,1.6,1.11 PA 10.4 Introduction to parasitic infections, epidemiology and their lab diagnosis (Micro) Dr Senita Samuel	S62 (L) MI 1.2,1.4,1.6, PA 10.4 Overview of viral infections, epidemiology and their diagnosis (Micro) Dr Tessa Antony	S65 (L) MI 1.3 Basic principles of Molecular Biology and Molecular techniques in diagnosis of Infectious diseases (Micro) Dr Sribal S	S69 (L) MI 2.2 Antigen & Complement (Micro) Dr Anish Kumaran N	
9AM-12 PM	<b>Clinical Postings</b> <b>Learner Doctor method &amp; Skills training</b>					
1-2 PM	S57 (L) MI 1.2,1.4,1.6,1.11 PA 10.4 Overview of bacterial infections, epidemiology and their laboratory diagnosis (Micro) Dr Premamalini T	S60 (L) PH10.8,10.17 Over-the-counter drugs, Herbal medicines (Pharm) Dr.V.P.Karthik	S63 (L) MI 1.2,1.4,1.6,1.11 PA 10.4 Introduction to fungal infections, epidemiology and their lab diagnosis (Micro) Dr Swati Kumari	S66 (L) MI 2.1, 2.6 Case introduction-2 Immunity and Immunoprophylaxis (Micro) Dr Aishwarya R	S70 (L) PH 2.7 Eicosanoids (Pharm) Dr.J.Ilantamizhan	
2-3 PM	S58 Practicals A batch - Pharm PH10.1 Compare and contrast different sources of drug information and update on latest information on drugs Dr.Ramya.S Dr.M.Najma Sherin Mr.P.Suresh (LH3)	S61 Practicals A batch - Micro MI 1.4, 1.10, Gram stain Hands on (1), OSPE- Culture media including transport media (specimen processing) Dr Shanthi M Dr Kruthika P Dr Swati Kumari Dr Sathiyalakshmi Dr Sharanya Pillai (LH2) B Batch - Pharm PH10.1 Compare and contrast different sources of drug information and update on latest information on drugs Dr.Karthika.K Dr.K.Balaji Mrs.M.Saranya (LH3)	S64 Practicals A batch - Path Fixation and Demonstration Dr. Divya M (LH3) B Batch - Micro MI 1.4, 1.10, Gram stain Hands on (1), OSPE- Culture media including transport media (Specimen processing) Dr Anupma Jyoti Kindo Dr Sribal Dr Anish Kumaran Dr Priya Periaiah, Dr Pavithra Devi (LH2)	S67 (L) PH2.6 Histamine & antihistamine (Pharm) Dr.V.Gowri	S71 (L) FM 1.3-1.8 Legal Procedure & Documentation -II (FM) Dr. D.Ganesh Rajahan	
3-4 PM	B Batch - Path Fixation & Demonstration Dr. Divya M (DEMO HALL)			S68 (L) MI 2.2 Structure & function of Immune system and Major Histocompatibility complex (Micro) Dr Kruthika P	S72 (L) CM 7.5 Epidemiology-4 Dr. Pankaj B Shah	

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