



## Integrated Teaching Sessions

Integrated teaching sessions were conducted by the Department of Physiology in collaboration with other departments, integrating both horizontally and vertically, to cover the chosen topic in depth for the allround understanding of the students.

IT 1	Hemoglobin 09.10.2023	
S. No.	Faculty	Topic
1	Dr.A.Hariharan, Assistant Professor, Biochemistry	Structure of hemoglobin
2	Dr.John Rajpathy, Professor, Physiology	Types, forms and functions and degradation of hemoglobin
3	Dr.Pinky, Assistant Professor, Pathology	Hemoglobinopathies

IT 2	Blood Transfusion 26.10.2023	
S. No.	Faculty	Topic
1	Dr.R.Durai Arasan, Senior resident, Physiology	Blood groups
2	Dr.Srivalli, Consultant, Blood bank	Blood components and blood transfusion
3	Dr.R.Lavanya, Professor, Pathology	Transfusion reaction

IT 3	Neurons and Neuroglia 02.11.2023	
S. No.	Faculty	Topic
1	Dr.Mythraeyee, Associate Professor, Anatomy	Structure of neuron and neuroglia
2	Dr.Noel Naveen, Senior Resident, Physiology	Functions of neuron and neuroglia



3	Dr.M.Kavitha, Professor and Head, Neurology	Applied aspects
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<b>IT 4</b>	<b>Neuromuscular Junction</b> <b>10.11.2023</b>	
<b>S. No.</b>	<b>Faculty</b>	<b>Topic</b>
1	Dr.Noel Naveen, Senior Resident, Physiology	Structure of neuromuscular junction
2	Dr.Rajkishore Mahato, Professor and HOD, Pharmacology	NMJ blocking drugs
3	Dr.Varun Ramamoorthy, Professor and Head, Critical care	Applied aspects of NMJ in clinical setting

<b>IT 5</b>	<b>Digestion and absorption of fat in GIT</b> <b>24.11.2023</b>	
<b>S. No.</b>	<b>Faculty</b>	<b>Topic</b>
1	Dr.Noel Naveen, Senior Resident, Physiology	Digestion of fat in GIT
2	Dr.R.Jagadish, Associate Professor, Biochemistry	Absorption of fat from GIT
3	Dr.Deepak James, Consultant, Medical Gastroenterology	Applied aspects of fat digestion and absorption

<b>IT 6</b>	<b>Fetal circulation</b> <b>13.01.2024</b>	
<b>S. No.</b>	<b>Faculty</b>	<b>Topic</b>
1	Dr.Mythrayee, Associate Professor, Anatomy	Anatomy of foetal circulation
2	Dr.R.Durai Arasan, Assistant Professor, Physiology	Physiology of foetal circulation
3	Dr.Karthick Raj, Associate Professor, Paediatrics	Applied aspects of fetal circulation



<b>IT 7</b>	<b>Artificial respiration 25.01.2024</b>	
<b>S. No.</b>	<b>Faculty</b>	<b>Topic</b>
1	Dr.R.Durai Arasan, Assistant Professor, Physiology	Artificial respiration
2	Dr.M.Mervin Leo, Professor and HOD, Emergency medicine	Emergency airway management
3	Dr.Varun Ramamoorthy, Consultant, ICU	Applied aspects in ICU setting

<b>IT 8</b>	<b>Phantom limb syndrome 23.04.2024</b>	
<b>S. No.</b>	<b>Faculty</b>	<b>Topic</b>
1	Dr.S.Anu, Professor and head, Physiology	Synaptic plasticity
2	Dr.Noel Naveen Johnson, Senior resident, Physiology	Neurotransmitters and sensory pathways
3	Dr.M.Kavitha, Professor and head, Neurology	Phantom Limb Syndrome

<b>IT 9</b>	<b>IVF 04.05.2024</b>	
<b>S. No.</b>	<b>Faculty</b>	<b>Topic</b>
1	Dr.R.Durai Arasan, Assistant Professor, Physiology	Female sex hormones
2	Dr.A.Hariharan, Associate Professor, Biochemistry	Biochemical evaluation of infertility
3	Dr.G.Rajalakshmi Preethi, Professor, Radiology	Investigating infertility
4	Dr.G.Kavitha, Consultant, Obstetrics and gynaecology	IVF techniques



<b>IT 10</b>	<b>Temperature regulation 31.05.2024</b>	
<b>S. No.</b>	<b>Faculty</b>	<b>Topic</b>
1	Dr.R.Durai Arasan, Assistant Professor, Physiology	Temperature Homeostasis
2	Dr.M.Kavitha, Professor and HOD, Neurology	Disorders of Temperature Regulation

<b>IT 11</b>	<b>Exercise Physiology 06.06.2024</b>	
<b>S. No.</b>	<b>Faculty</b>	<b>Topic</b>
1	Dr.J.T.Ajit Kumar, Assistant Professor, Physiology	Physiological changes during exercise
2	by Dr.R.Harisudhan, Assistant Professor, Orthopaedics	Applied aspects in exercise Physiology

<b>IT 12</b>	<b>Growth and Development 10.06.2024</b>	
<b>S. No.</b>	<b>Faculty</b>	<b>Topic</b>
1	Dr.S.Anu, Professor and head, Physiology	Physiology of Growth and Development
2	Dr.T.Karthick Raj, Associate Professor, Pediatrics	Infant and adolescent growth and development



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