

# AMRITA INSTITUTE OF MEDICAL SCIENCES AND RESEARCH CENTRE AIMS Ponekkara P.O. Kochi-41

# DEPARTMENT OF PHYSIOLOGY UG TEACHING SCHEDULE JUNE 2025

#### FIRST MBBS 2024 BATCH LECTURE

DATE	TIME	TOPIC	FACULTY
02-06-2025	9 am – 10 am	PY10.10 Brown Sequard Syndrome	Dr. Suja Gopalakrishnan
03-06-2025	10.15 am – 11.15 am	PY7.3 Measurement of renal blood flow, renal clearance studies, steps in urin formation, GFR	Dr. Saraswathy L
04-06-2025	8 am – 9 am	PY8.4 Cortisole- Actions	Dr. Rose Mary Jacob V
05-06-2025	8 am – 9 am	PY8.6 Endocrine pancreas	Dr. Suja Gopalakrishnan
= -0-1 -0-1 -0-1	9 am – 10 am	PY11.6 Physiology of image formation -	Dr. C V Lalithambika
06-06-2025	BAKRID HOL	IDAY	
07-06-2025			
09-06-2025	9 am – 10 am	PY7.3 Glomerular Filtration Rate- factors governing, variations, filtration fraction Tubular reabsorbtion- general mechanisms	Dr. Saraswathy L
10-06-2025	10.15 am – 11.15 am	PY10.6 Refractive errors	Dr. C V Lalithambika
11-06-2025	8 am – 9 am	PY10.7 Adrenal Medullary Hormones	Dr. Rose Mary Jacob V
12-06-2025	8 am – 9 am	PY7.3 Renal handling of sodium, significance, sites, extend of reabsorbtion, mechanism, features & regulation	
	9 am – 10 am	PY 7.3 Renal handling of glucos, glycosuria, splay	Dr. Saraswathy L
13-06-2025	10.15 am –	PY7.5 Water reabsorbtion, uria	Dr. Saraswathy L
	11.15 am	reabsorbtion, uria clearance Tonicity	-
	* *** **	changes in different segments of	
	al I	nephrone, chloride, bicarbonate	
	a a	reabsorbtion, concentration of urin	
17.06.2025	10.15	Interactive discussion	
17-06-2025	10.15 am –	PY9.1 Reproductive Physiology- Sex	Dr. Sarika K S
10.06.2025	11.15 am	determination and differentiation	
18-06-2025	8 am – 9 am	PY 9.3 Male Reproductive system	Dr. Sarika K S

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19-06-2025	8 am – 9 am	PY9.3 Female Reproductive system-	Dr. Vandana Balakrishnan
		Functional Anatomy	
4.7	9 am – 10 am	PY7.3 Concentraion of urine, medullary	Dr .Saraswathy L
T T		gradient, counter current system, rule of	
	H <sub>0</sub> ×	ADH, tubular secretion, acidification of	
	a .	urine	
20-06-2025	10.15 am –	PY7.4 Acidification of urine, factors	Dr. Saraswathy L
	11.15 am	regulating renal acid secretion, Urinary	
	Ø-1	tract, Urinary bladder innervation -	
		Interactive discussion	
23-06-2025	9 am – 10 am	PY10.15 Hypothalamus	Dr. Suja Gopalakrishnan
24-06-2025	10.15 am –	PY7.6 Filling and emptying of urinary	Dr. Saraswathy L
2.002020	11.15 am	bladder, micturition reflex and its higher	
		control, normal and abnormal	
100		constituents of urine, artificial kidney-	
		Lecture	
	4 pm – 5 pm	Phyiology Revision- Reasoning type	Dr.Saraswathy L
= =		discussion	
25-06-2025	8 am – 9 am	PY9.5 Menstrual cycle- Uterine and	Dr. Vandana Balakrishnan
	, s	overian changes	
26-06-2025	8 am – 9 am	Formative Assessment- 5	All Factulty
	9 am – 10 am	PY11.5 Visual pathwa	Dr. C V Lalithambika
20.06.2025	9 am – 10 am	PY11.7 Color vision	Dr. C V Lalithambika
30-06-2025	9 am – 10 am	1111./ Color vision	
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**PRACTICAL** 

DATE	TIME	TOPIC	FACULTY
02-06-2025	2 pm –5 pm	PY10.19 Clinical examination of motor system	All Faculty
02 00 2020	- p	and reflexes- Revision (B batch)	9
		PY10.20 Clinical examination of cranial nerves	
		1-6 (D batch)	
03-06-2025	2 pm –5 pm	PY10.19 Clinical examination of motor system	All Faculty
		and reflexes- Revision (C batch)	*
1,	* **	PY10.20 Clinical examination of cranial nerves	e
	¥	1-6 (A batch)	
04-06-2025	2 pm –5 pm	PY10.19 Clinical examination of motor system	All Faculty
		and reflexes- Revision (D batch)	O.
		PY10.20 Clinical examination of cranial nerves	4
*		1-6 (B batch)	411 D 1
05-06-2025	2 pm -5 pm	PY10.19 Clinical examination of motor system	All Faculty
*		and reflexes- Revision (A batch)	5.
		PY10.20 Clinical examination of cranial nerves	
		1-6 (C batch)	A 11 E 14 -
09-06-2025	2 pm –5 pm	PY10.20 Clinical examination of cranial nerves	All Faculty
		7-12 (D batch)	A 11 F 14
10-06-2025	2 pm –5 pm	PY10.20 Clinical examination of cranial nerves	All Faculty
8 8	- 1000	7-12 (A batch)	

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11-06-2025	2 pm –5 pm	PY10.20 Clinical examination of cranial nerves 7-12 (B batch)	All Faculty
12-06-2025	2 pm –5 pm	PY10.20 Clinical examination of cranial nerves 7-12 (C batch)	All Faculty
16-06-2025	9 am –11 am	PY4.12 Clinical examination of Abdomen (D batch)	All Faculty
17-06-2025	2 pm –5 pm	PY4.12 Clinical examination of Abdomen (A batch)	All Faculty
18-06-2025	2 pm –5 pm	PY4.12 Clinical examination of Abdomen (B batch)	All Faculty
19-06-2025	2 pm –5 pm	PY4.12 Clinical examination of Abdomen (C batch)	All Faculty
27-06-2025	9.30 am –11 am	Spotters discussion	Dr. Deepa Sivaraj
30-06-2025	2 pm –4 pm	Perimetry (B batch) Haematology Revision (D batch)	All Faculty

## **SEMINAR**

DATE	TIME	TOPIC	FACULTY
9-06-2025	2 pm –5 pm	Na K ATPase (B batch)	All Faculty
		Mechanism of blood coagulation	9
		Functions of plasma proteins	2
	2	Ionic basis of nerve action potential	×
2		Impulse transmission across	
		neuromuscular junction	2
		Left ventricular pressure and volume	
		changes during cardiac cycle	
10-06-2025	2 pm –5 pm	Na K ATPase (C batch)	All Faculty
		Mechanism of blood coagulation	£
		Functions of plasma proteins	,
		Ionic basis of nerve action potential	8 ×
,m		Impulse transmission across	
х.	9	neuromuscular junction	-
		Left ventricular pressure and volume	all .
2		changes during cardiac cycle	

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11-06-2025	2 pm –5 pm	Na K ATPase (D batch)	All Faculty
± =		Mechanism of blood coagulation	
		Functions of plasma proteins	
	*	Ionic basis of nerve action potential	
		Impulse transmission across	
		neuromuscular junction	
	W 5 0	Left ventricular pressure and volume	=
12.06.2025		changes during cardiac cycle	
12-06-2025	2 pm –5 pm	Na K ATPase (A batch)	All Faculty
8 V	2 2	Mechanism of blood coagulation	1 P
w.		Functions of plasma proteins	, s s
	*	Ionic basis of nerve action potential	e II v
*		Impulse transmission across	-
0		neuromuscular junction	
	,	Left ventricular pressure and volume	2
16-06-2025	9 am –11	changes during cardiac cycle  Hormonal regulation of exocrine	A 11 F2
10 00 2025	am	pancreatic secretion (B batch)	All Faculty
		Digestion and absorption of fat	
		Hypovolemic shock	
		Pressure changes in different phases of	
		respiration	*
		Bohr effect and Haldane effect and	
		physiological importance	
		Hyper secretion of growth hormone	, ,
17.06.2025	a E	Pre synaptic inhibition	
17-06-2025	2 pm –5 pm	Hormonal regulation of exocrine	All Faculty
	3	pancreatic secretion (C batch)	
		Digestion and absorption of fat	· · · · · · · · · · · · · · · · · · ·
		Hypovolemic shock	
		Pressure changes in different phases of respiration	>∞
11 21	1	Bohr effect and Haldane effect and	8
<b>*</b>		physiological importance	
,		Hyper secretion of growth hormone	
WI I		Pre synaptic inhibition	
18-06-2025	2 pm –5 pm	Hormonal regulation of exocrine	All Faculty
		pancreatic secretion (D batch)	
		Digestion and absorption of fat	
		Hypovolemic shock	
		Pressure changes in different phases of	e
	**	respiration	
		Bohr effect and Haldane effect and physiological importance	
		Hyper secretion of growth hormone	
		Pre synaptic inhibition	
		The synaptic innibition	

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19-06-2025	2 pm –5 pm	Hormonal regulation of exocrine	All Faculty
		pancreatic secretion (A batch)	
		Digestion and absorption of fat	
		Hypovolemic shock	
	1)	Pressure changes in different phases of	
		respiration	
		Bohr effect and Haldane effect and	2
2		physiological importance	res e s
		Hyper secretion of growth hormone	,
		Pre synaptic inhibition	
23-06-2025	2 pm –4 pm	Hemi section of spinal cord (B	All Faculty
		batch)	
	2	Referred pain	×
2		Tubular reabsorption of glucose	
		Factors influencing glomerular filtration	
		rate	,
	# P	Cushing's syndrome	
		Actions of insulin	
24-06-2025	2 pm -4 pm	Hemi section of spinal cord (C	All Faculty
		batch)	
l Ni		Referred pain	
¥ ,	(a) (a) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	Tubular reabsorption of glucose	
	· .	Factors influencing glomerular filtration	*
	a ^	rate	s
		Cushing's syndrome	# · · · · · · · · · · · · · · · · · · ·
	>	Actions of insulin	71
25-06-2025	2 pm –4 pm	Hemi section of spinal cord (D batch)	All Faculty
20 20 2020	- P	Referred pain	
	,e	Tubular reabsorption of glucose	
0.00 g	£	Factors influencing glomerular filtration	. *
	×6	rate	
		Cushing's syndrome	
	E	Actions of insulin	Ti di
26-06-2025	2 nm 1 nm		All Foculty
20-00-2023	2 pm –4 pm	Hemi section of spinal cord (A batch)	All Faculty
	100	Referred pain	
2 (2	1,000		
1		Tubular reabsorption of glucose	e e e
		Factors influencing glomerular filtration	
		rate	
	* * * * * * * * * * * * * * * * * * *	Cushing's syndrome	
		Actions of insulin	4.

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## **GROUP DISCUSSION**

DATE	TIME	TOPIC	FACULTY
13-06-2025	2 pm –5 pm	PY11.7 Photochemistry of	Dr. C V Lalithambika
		Vision	
20-06-2025	2 pm –3 pm	PY8.6 Regulation of insulin	Dr. Suja Gopalakrishnan
		secretion and Diabetes Mellitus	
21-06-2025	9 am - 10 am	PY9.4 Functions of overy	Dr. Vandana Balakrishnan
28-06-2025	9 am - 10 am	PY9.7 Physiology of pregnancy	Dr. Vandana Balakrishnan
	2 pm –3 pm	PY10.17 Reticular formation	Dr. Suja Gopalakrishnan

DR. SARASWATHY L
PROFESSOR & HOD,

DEPARTMENT OF PHYSIOLOGY

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