



AMRITA INSTITUTE OF MEDICAL SCIENCES AND RESEARCH CENTRE

AIMS Ponekkara P.O. Kochi-41

DEPARTMENT OF NUCLEAR MEDICINE

PG TEACHING SCHEDULE SEPTEMBER 2025

THEORY (Time: 2 pm - 3pm)

DATE	TOPIC	FACULTY
01.09.2025	Anatomy of Blood supply to myocardium	Dr. Ramkesh
03.09.2025	Instrumentation – Counting systems – Well counter	Dr. P Shanmuga Sundaram
08.09.2025	Radiopharmaceuticals used in Lung ventilation imaging	Dr. Manjit Sarma
10.09.2025	Counting statistics	Dr. P Shanmuga Sundaram
15.09.2025	Lung perfusion & ventilation imaging – Indications & procedure	Dr. Padma S
17.09.2025	Instrumentation – Counting systems – Well counter, dead time	Dr. Padma S
22.09.2025	Instrumentation – Liquid scintillation counters	Dr. Parvathy

SEMINAR (Time: 3 pm - 4 pm)
(Attendees: All faculties and PGs)

DATE	TOPIC	PRESENTER	CHAIRPERSON
06.09.2025	Advances in Instrumentation in PETCT	Dr. Sai ram	Dr. P Shanmuga Sundaram
13.09.2025	MIRD	Dr. Krishna Reddy	Dr. Padma S
20.09.2025	Gamma probes in minimally invasive surgery	Dr. Vikram	Dr. Manjit Sarma
27.09.2025	Gastric accommodation & gastric emptying studies	Dr. Sanjana	Dr. Ramkesh

CASE PRESENTATION (Time: 2 pm – 3 pm)
(Attendees: All faculties and PGs)

DATE	TOPIC	PRESENTER	FACULTY
04.09.2025	Differentiated thyroid cancer – Neck nodes	Dr. Sanjana	Dr. P Shanmuga Sundaram
11.09.2025	Solitary thyroid nodule evaluation	Dr. Sai ram	Dr. Padma S
18.09.2025	Scan reading session Renal	Dr. Krishna Reddy	Dr. Ramkesh
25.09.2025	Scan reading Session (Nuclear Oncology)	Dr. Vikram	Dr. Shanmuga Sundaram

JOURNAL CLUB (Time: 4 pm - 5 pm)
(Attendees: All faculties and PGs)

DATE	TOPIC	PRESENTER	FACULTY
06.09.2025	Juni JE, Waxman AD, Devous MD Sr, et al: Procedure guideline for brain perfusion SPECT using 99m Tc radiopharmaceuticals 3.0. J Nucl Med Technol 37(3):191-195, 2009.	Dr. Vikram	Dr. P Shanmuga Sundaram
13.09.2025	Jeongryul Ryu et al. PET in Autism Spectrum Disorder: Current Status and Future Perspectives. Seminars in Nuclear Medicine Volume 55, Issue 4, July 2025, Pages 605-615	Dr. Krishna Reddy	Dr. Padma
20.09.2025	Imaging for Radiation Planning in Breast Cancer, Sakellis et al. Seminars in Nuclear Medicine, Volume 52, Issue 5, 2022, pp. 542-550	Dr. Sai ram	Dr. Manjit
27.09.2025	Role of Non-FDG Tracers in Lung Cancer? Novruzov et al. Seminars in Nuclear Medicine, 2022-11-01, Volume 52, Issue 6, Pages 720-733	Dr. Sanjana	Dr. Ramkesh

GROUP DISCUSSION (Time: 2pm - 3pm)
(Attendees: All faculties and PGs)

DATE	TOPIC	FACULTY
02.09.2025	NM techniques in CNS	Dr. Parvathy
12.09.2025	Lung V/Q imaging – PIOPED criteria	Dr. Padma S
19.09.2025	Techniques in Lymphoscintigraphy	Dr. Shanmuga Sundaram
26.09.2025	RPs in Amyloid imaging	Dr. Manjit

PRACTICALS (Time: 4 pm - 5 pm)

DATE	TOPIC	FACULTY
02.09.2025	Pixel Size estimation	Technologist demonstration
09.09.2025	Maximum Count rate performance	Technologist demonstration
16.09.2025	QC of PET RP	Dr. Krishna Reddy
23.09.2025	QC of TcO ₄ and Tc- MDP	Dr. Vikram

CLINICAL PATHOLOGY MEETING (Time: 3 pm – 4.30 pm)
(Attendees: All PGs)

DATE	TOPIC	PRESENTER	FACULTY
22.09.2025	Mass in anterior mediastinum	Dr. Sanjana	Dr. Padma S
29.09.2025	Osteoid osteoma right femur	Dr. Vikram	Dr. Shanmuga Sundaram

PROCEDURE - 1419

P. Shanmuga Sundaram

DR. P. SHANMUGA SUNDARAM
PROFESSOR & HOD
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