



AMRITA INSTITUTE OF MEDICAL SCIENCES AND RESEARCH CENTRE

AIMS Ponekkara P.O. Kochi-41

DEPARTMENT OF NUCLEAR MEDICINE

PG TEACHING SCHEDULE DECEMBER 2025

THEORY (Time: 2 pm - 3pm)

DATE	TOPIC	FACULTY
01.12.2025	SPECT reconstruction techniques - Simple & filtered back projection	Dr. P Shanmuga Sundaram
03.12.2025	Iterative reconstruction in SPECT	Dr. Parvathy
08.12.2025	Procedural guidelines of SSTR imaging – SNMMI	Dr. Padma S
10.12.2025	PETCT challenges in Head & Neck malignancies	Dr. Ramkesh
15.12.2025	Filters & types of filters in SPECT reconstruction	Dr. P Shanmuga Sundaram
17.12.2025	Practical application of filters in day to day imaging	Dr. Manjit Sarma
22.12.2025	Responsibilities of a Radiation safety officer in Nuclear medicine	Dr. Padma S

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

DATE	TOPIC	PRESENTER	CHAIRPERSON
06.12.2025	PET quantitation in epilepsy	Dr. Sanjana	Dr. Parvathy
13.12.2025	Inorganic Scintillation detectors	Dr. Vikram	Dr. P Shanmuga sundaram
20.12.2025	PET imaging in Vasculitis	Dr. Sai Ram	Dr. Padma
27.12.2025	Hypoxia imaging	Dr. Krishna	Dr. Manjit Sarma

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

DATE	TOPIC	PRESENTER	FACULTY
04.12.2025	DTC with solitary skeletal metastases	Dr. Vikram	Dr. Padma
11.12.2025	Toxic Multinodular goitre	Dr. Sanjana	Dr. Parvathy
18.12.2025	Dilated cardiomyopathy - Myocardial viability evaluation with SPECT and PET	Dr. Krishna	Dr. P Shanmuga Sundaram

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

DATE	TOPIC	PRESENTER	FACULTY
06.12.2025	Nyakale et.al, PSMA-Targeted Positron Emission Tomography Imaging in Solid Tumors Other Than Prostate Carcinoma: An Update, Semin Nucl Med. 2025 Sep;55(5):672-679. doi: 10.1053/j.semnuclmed.2025.06.006. Epub 2025 Jul 19.	Dr. Sai Ram	Dr. Padma
13.12.2025	Clemens Kratochwil, et.al, 225Ac-PSMA-617 for Therapy of Prostate Cancer. Semin Nucl Med, 2020 Mar;50(2):133-140. doi: 10.1053/j.semnuclmed.2020.02.004. Epub 2020 Feb 14.	Dr. Krishna	Dr. Ramkesh
20.12.2025	Thomas A Hope, et.al, SNMMI procedure standard/EANM practice guideline for fibroblast activation protein (FAP) PET, J Nucl Med. 2025 Jan 3;66(1):26-33. doi: 10.2967/jnumed.124.269002.	Dr. Sanjana	Dr. P Shanmuga Sundaram
27.12.2025	Esmail Jafari, et.al, Targets for Molecular Imaging of Neuroendocrine Tumors (NETs): An Overview and Update, Semin Nucl Med. 2025 Sep;55(5):740-753, doi: 10.1053/j.semnuclmed.2025.04.003. Epub 2025 May 28.	Dr. Vikram	Dr. Manjit

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

DATE	TOPIC	FACULTY
05.12.2025	Techniques and procedures of Medical Radiosynovectomy	Dr. Padma
12.12.2025	RPs used in Bone pain palliation	Dr. Ramkesh
19.12.2025	Alpha therapy - Radiopharmaceuticals	Dr. Manjit Sarma
26.12.2025	Crystals used in Gamma Camera	Dr. P Shanmuga sundaram

PRACTICALS (Time: 4 pm - 5 pm)

DATE	TOPIC	FACULTY
02.12.2025	Methodology of Decontamination of NM lab	Dr. Padma
09.12.2025	Radiation survey of nuclear med dept - demonstration	Dr. Ramkesh
23.12.2025	How to perform Radionuclide evaluation of paediatric GI disorders	Dr. P Shanmuga Sundaram

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

DATE	TOPIC	PRESENTER	FACULTY
01.12.2025	Upper limb swelling	Dr. Sai Ram	Dr. Ramkesh
22.12.2025	Chest wall mass	Dr. Sanjana	Dr. Shanmuga Sundaram

PROCEDURE - 1530



DR. P. SHANMUGA SUNDARAM
PROFESSOR & HOD
DEPARTMENT OF NUCLEAR MEDICINE,
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