Annual performance Report 2020 –
Department of Nuclear Medicine

Annual Report of Department of Nuclear Medicine for year 2020

Sr No.	Chapter	Contents	Format
1.	Highlights and Achievements	Started PSMA PET CT (for diagnosis of cancer prostate)	Categorized into those related to • Patient care – Introduction of many PET/CT related investigations: 1. Whole body PET/CT 2. Limited body PET/CT 3. Cardiac PET/CT 4. Brain PET/CT
2.	Patient Care	• New services added with numbers.	Addition of PET/CT related services (List of Nuclear Medicine investigations is attached herewith)
3.	Community Care	Community outreach health services undertaken by various departments Social Awareness camps and lectures	1. PET/CT scans – 367 2. Cardiac PET scans-5 3. Bone scan-70 4. Salivary scintigraphy-6 5. HIDA scan-16 6. Renal Scan-301 7. DMSA scan-67 8. Lung perfusion scan-6 9. Stress thallium-22 10. Lymphoscintigraphy-0 11. Parathyroid scan-3 12. Thyroid scan-61 13. MUGA -12 14. Brain SPECT-3 15. Iodine scan-7 16. Iodine therapy-3 17. GET-34 18. GER-15 19. Meckels Scan-13 20. Brain PET scan-32
4.	Education (including student activities)	Courses offered, intake for the current year and results	Course offered: DNB (Nuclear Medicine) Intake – 42 students per year
5.	Research	Themes of ongoing projects	Ongoing Projects: 1. Validation of stomach

		Collaborations	accommodation volume with nutrient test (in collaboration with GI Medicine department and Nuclear Medicine department of TMH) 2. Role of FDG PET/CT in autoimmune encephalitis. 3. Role of FDG PET/CT in staging of LABC and non LABC (breast cancer).
6.	Publications	Categorized as • International	1. Pawar SU, Ravat SH, Muzumdar DP, Sankhe SS, Chheda AH, Manglunia AS, Maldar AN. Does Tc-99m ECD ictal brain SPECT have incremental value in localization of epileptogenic zone and predicting postoperative seizure freedom in cases with discordant video electroencephalogram and MRI findings? Nucl Med Commun. 2020 Sep;41(9):858-870. doi: 10.1097/MNM.0000000000001240. PMID: 32796473. 2. Pawar SU, Shetye SS, Ghorpade MK, AzeezSeena R. Assessment of Myocardial Viability Using Nuclear Medicine Imaging in Dextrocardia. J Nucl Med Technol. 2020 Dec;48(4):372-377. doi: 10.2967/jnmt.120.248435. Epub 2020 Sep 4. PMID: 32887761.
7.	In the limelight	Recognition of any important Activity / Service	--
8.	Awards and Honors	Categorize them as • International • National • State • University • College	Award: --

		Miscellaneous Foundation Day	
9.	Donations and grants	List regular donors Categorize them as Donations for • Patient Care • Research • Training Programs • Strengthening Department • Awards • Renovations – Theatre / Seminar Hall • Cultural Activities	-----
10.	Looking Ahead	Future plan of department Categorized into • Patient Care • Education • Research • Campus and Infrastructure	Patient care: 1. starting PET/CT based investigations using Ga labeled radiopharmacuticals 2. Starting Lu-177 based therapies for neuroendocrine tumours Education: Starting MD in Nuclear Medicine Starting MSc in Nuclear Medicine Research: Radiation synovectomy for hemophilic patients PET/CT based myocardial perfusion and viability studies.
	Committees	Secretaries of all committees to prepare a brief half-page report for the current year including the composition of the committee.	--
	Photographs	Photographs highlighting special activities of International nature or Inter-departmental nature including those	---

		published in the lay press	
13	Contact information	Please list staff members as per hierarchy. Give e mail id, intercom number, landline and mobile number.	1. Dr Shwetal Pawar, Assistant Professor, 2. MrsSuruchiShetye, JSO, 3. MrsTejrekhaDalvi, Technician, 4. MrsSarika Raul, Technician, 5. MrSantoshRane, Technician, 6. MrNiteshKokare, RA DNB Residents: 1. Dr ArnaazMaldar 2. Dr Revanth Kumar 3. Dr PunamBhoge 4. Dr ZeelSoni Contact: 24107871, 24107872 Email: nuclearmedicinekem@gmail.com