

Dr Kalpa Jyoti Das (Associate Professor): Dr Das is a Doctor of Medicine (MD) in Nuclear Medicine from the prestigious AIIMS New Delhi. He completed his 3-year senior residency training from Safdarjung Hospital & AIIMS collectively. He is also conferred with Radiation safety officer (RSO) from BARC. After working for 3 years as an Consultant & HOD at Eko-Diagnostic & Saroj Gupta Cancer hospital and research institute in Kolkata government, he joined NCI as a regular faculty (Assistant Professor) in 2019 and subsequently promoted as Associate Professor effective from July 2023. The facility of Nuclear Medicine in NCI was established under his & Dr Abhinav Singhal direct supervision with clinical services including PET-CT and SPECT-CT imaging commencing from March 2022.

What is your expertise: PET-CT, SPECT-CT and planar gamma scintigraphy. 18F-FDG, Ga68PSMA and other novel radiotracers in onco-imaging. Nuclear Medicine based management of thyroid cancers. Theranostics.

Profile photo of faculty:



- M.B.B.S. (SKMCH, BRA University, Bihar)
- M.D. Nuclear Medicine (2013)
- Year of joining in NCI : 2019
- Area of work: Nuclear Medicine diagnostic imaging and radionuclide therapy, Theranostics, Radiomics & Machine Learning

Publications:

1. Unusual Male Breast Involvement in Burkitt Lymphoma Detected on Fluorine-18 Fluorodeoxyglucose Positron Emission Tomography/Computed Tomography. Ravindra SG, Pathak J, Khan D, Garg S, Khurana A, Das KJ, Kataria B. Indian J Nucl Med. 2023 Jul-Sep;38(3):301-302. doi: 10.4103/ijnm.ijnm_8_23. Epub 2023 Oct 10.
2. Askin Tumor - Presenting as a Case of Paraparesis: A Rare Clinical Entity. Case Report and Findings on 18F-Fluorodeoxyglucose-Positron Emission Tomography/Computed Tomography. Das KJ, Kumar A, Prakash S, Singhal A. Indian J Nucl Med. 2023 Jan-Mar;38(1):53-55
3. Nuclear Oncology in Northeast India: Current scenario, challenges, and way forward. Das KJ, Meena JK, Singhal A. Ann Oncol Res Ther 2022;2:71-6
4. ^{99m}Tc-Pertechnetate Scintigraphy in Thyroid Gland Ectopia: Evolving a New Clinical Algorithm. Das KJ, Sethi RS, Namgyal PA, Sehgal AK. Astrocyte 2017;4:149-53

5. Detection of perfusion abnormalities in patients with permanent pacemakers on stress-rest ^{99m}Tc-tetrofosmin myocardial perfusion single-photon emission computed tomography: comparison between right ventricular apex and right ventricular outflow tract pacing. Das KJ, Patel CD, Sharma G, Naik N, Singh H. Nucl Med Commun. 2016 Apr;37(4):406-11.
6. Osteosclerotic and osteolytic manifestations of hyperparathyroidism in a case of Tc^{99m} SestaMIBI positive parathyroid adenoma. Das KJ, Sehgal AK, Jaiman A, Sethi RS. Indian J Nucl Med. 2015 Jul-Sep;30(3):263-5. doi: 10.4103/0972-3919.158541.
7. Evaluation of hepatobiliary systems in conjoined twins by (^{99m}Tc)-mebrofenin. Agarwal KK, Karunanithi S, Das KJ, Jain S, Kumar R. Indian J Nucl Med. 2014 Jul;29(3):199-200.
8. SPECT-CT for characterization of extraosseous uptake of ^{99m}Tc-methylene diphosphonate on bone scintigraphy. Soundararajan R, Naswa N, Sharma P, Karunanithi S, Nazar AH, Das KJ, Bal C, Malhotra A, Kumar R. Diagn Interv Radiol. 2013 Sep-Oct;19(5):405-10
9. Hybrid SPECT-CT with ^{99m}Tc-labeled red blood cell in a case of blue rubber bleb nevus syndrome: added value over planar scintigraphy. Das KJ, Sharma P, Naswa N, Soundararajan R, Kumar R, Bal C, Malhotra A. Diagn Interv Radiol. 2013 Jan-Feb;19(1):41-3.
10. Metastatic neuroendocrine carcinoma presenting as a "Superscan" on ⁶⁸Ga-DOTANOC somatostatin receptor PET/CT. Naswa N, Karunanithi S, Soundararajan R, Das KJ, Agarwal KK, Malhotra A, Bal C, Kumar R. Clin Nucl Med. 2012 Sep;37(9):892-4. doi: 10.1097/RLU.0b013e31825b1e6c.
11. Detection and localization of post-operative and post-traumatic bile leak: hybrid SPECT-CT with ^{99m}Tc-Mebrofenin. Sharma P, Kumar R, Das KJ, Singh H, Pal S, Parshad R, Bal C, Bandopadhyaya GP, Malhotra A. Abdom Imaging. 2012 Oct;37(5):803-11.
12. PET/Computed Tomography in Breast Cancer. Sumeet Suresh Malapure, MD, Kalpa Jyoti Das, MD, Rakesh Kumar. <http://dx.doi.org/10.1016/j.cpet.2016.02.006>
13. Occurrence of symptomatic meningioma as a second neoplasm in patients with differentiated thyroid cancer treated with radio iodine. Damle NA, Bal C, Peepre K, Das K. Indian J Endocr Metab 2012;16:612-3
14. Ectopic Thoracic Kidney: Evaluation Using ^{99m}Tc Dimercaptosuccinic Acid SPECT-CT. Singh, Harmandeep MD; Sharma, Punit MD; Nazar, Aftab Hasan MD; Das, Kalpajyoti MBBS; Naswa, Niraj MD; Singla, Suhas MD; Kumar, Rakesh MD, PhD. Clin Nucl Med. July 2012 - Volume 37 - Issue 7 - p e170-e172

• **ORCID link:** <https://orcid.org/0000-0001-7390-0200>

○ **Important award/achievement:**

- Selected & Certified for completing “An advanced international course in Radiomics Theory and Practice” at Institut of Curie, Paris France.
 - Latest research (As PI) and (both funded and non-funded with Ethics and CTRI no

No	Project title	Funding agency	Project CTRI no	Status (completed/Ongoing)
1.	18F FDG PET/CT	AIIMS New	Not applied for	Ongoing

	Radiogenomics Retinoblastoma	in	Delhi		
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- Thesis ongoing as Guide by the faculty of NCI

No	Thesis topic	Year	Thesis candidate
1.	Molecular Classification Of Breast Cancer Using pretreatment 18F-FDG PET/CT radiomics	2023	Dr. Chnadrsekaran G