

CURRICULUM VITAE

PERSONAL DETAILS

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MARITAL STATUS : **Married**

NATIONALITY : Indian

MEDICAL COUNCIL REGISTRATION NUMBER: 65778, DATED 05.05.2010

WEST BENGAL MEDICAL COUNCIL

PROFESSIONAL QUALIFICATIONS

- **Aug 2004 to 12th March 2009: Primary Medical Qualification: Bachelor of Medicine; Bachelor of Surgery (M.B.B.S)** at MEDICAL COLLEGE KOLKATA, WEST BENGAL
- **23 March 2009 to 22 March 2010: 12 Months of Compulsory Rotatory Internship in** MEDICAL COLLEGE KOLKATA, WEST BENGAL
- **2nd July 2012 to 1st July 2015: Post-graduate Medical Qualification: Doctor of Medicine (MD) in Nuclear Medicine** from All India Institute of Medical Sciences (AIIMS), New Delhi, India.
- **Radiation safety officer (RSO) certification** examination- Passed on 27th-29th October

DETAILED NUCLEAR MEDICINE EXPERIENCE:

Underwent **M.D. (Doctor of Medicine) program** at the department of Nuclear Medicine at **All India Institute of Medical Sciences (AIIMS)**, New Delhi, which is a three-year, structured course. AIIMS is the premier medical institute of India. The Department of Nuclear Medicine at AIIMS has 1 dual head Gamma camera, 2 single head gamma cameras, 3 SPECT/CT cameras, a dedicated nuclear cardiology unit, a thyroid disorders clinic with attached radioiodine therapy ward, and 2 PET-CT cameras.

I have experience in

- ***Diagnostic-***
 - All routine diagnostic nuclear medicine investigations (conventional planar/SPECT/SPECT/CT)
 - ^{18}F -FDG PET-CT studies (Oncology/Neurology/Cardiology)
 - ^{68}Ga labeled peptides (DOTANOC) for PET-CT imaging of neuro-endocrine tumors
 - ^{18}F -Fluorodopa/ ^{13}N Ammonia/ ^{18}F -Fluoride PET/CT imaging
 - PET/CT guided biopsy
- ***Therapeutic*** interventions- done routinely in the department
 - ^{131}I therapy in thyroid cancer and benign thyroidal diseases
 - ^{131}I MIBG therapy of neuroendocrine tumors
 - ^{188}Re for radiosynovectomy of inflammatory joint disorders

- $^{153}\text{Samarium}/^{177}\text{Lutetium}$ - EDTMP therapy for metastatic bone pain palliation.
- ^{177}Lu - DOTATATE therapy
- ^{131}I monoclonal antibody therapy in glioblastoma multiforme.

WORKING EXPERIENCE

- **July 2015 to August 2015: *ATTENDING CONSULTANT in Jaypee Hospital, Noida***
- **August 2015 to February 2022: *CHIEF CONSULTANT in Eastern diagnostics India Pvt Ltd., Kolkata***
- **July 2016 to September: *CONSULTANT and Head in Institute of Nuclear Medicine and Molecular Imaging, AMRI HOSPITAL, KOLKATA***
- **October 2021 to September 2022: *CONSULTANT Nuclear Medicine at Netaji Cancer Research Institute, Kolkata.***
- **September 2022 to Present: *JUNIOR CONSULTANT in Tata Medical Centre, Kolkata***

- ***Member of Society of Nuclear Medicine India.***
- ***Present General Secretary of SNM Eastern Chapter of India.***
- ***REVIEWER of Indian Journal of Nuclear Medicine.***

RESEARCH WORKS

Dissertation on ***“Assessment of cardiac dyssynchrony in patients with non-ischemic dilated cardiomyopathy undergoing Cardiac Resynchronization therapy using Tc- 99m MIBI myocardial perfusion SPECT Comparison with Radionuclide ventriculography”*** underwent in AIIMS as part of curriculum of MD (Nuclear Medicine) from December 2012 to December 2014.

PUBLICATION

ORIGINAL ARTICLES IN PUBMED INDEXED JOURNAL

1. **Mukherjee A**, Patel CD, Naik N, Sharma G, Roy A. Quantitative assessment of cardiac mechanical dyssynchrony and prediction of response to cardiac resynchronization therapy in patients with non-ischaemic dilated cardiomyopathy using equilibrium radionuclide angiography. *Europace* 2016;18:851-857.
2. **Mukherjee A**, Patel CD, Naik N, Sharma G, Roy A. Quantitative assessment of cardiac mechanical dyssynchrony and prediction of response to cardiac resynchronization therapy in patients with nonischaemic dilated cardiomyopathy using gated myocardial perfusion SPECT. *Nucl Med Commun.* 2015;36:494-501.
3. **Mukherjee A**, Singh H, Patel C, Sharma G, Roy A, Naik N. Normal values of cardiac mechanical synchrony parameters using gated myocardial perfusion single-photon emission computed tomography: Impact of population and study protocol. *Indian J Nucl Med.* 2016 ;31:255-259.
4. **Mukherjee A**, Patel CD, Roy A, Sharma G, Naik N. Interplay between right ventricular mechanical dyssynchrony and cardiac resynchronization therapy in

- patients with nonischemic dilated cardiomyopathy. Nucl Med Commun. 2016;37:1016-1023.
5. Sharma P, **Mukherjee A**, Karunanithi S, Naswa N, Kumar R, Ammini AC, Bal C. Accuracy of 68Ga DOTANOC PET/CT Imaging in Patients With Multiple Endocrine Neoplasia Syndromes. Clin Nucl Med. 2015;40:e351-356.
 6. Sharma P, Arora S, **Mukherjee A**, Pal S, Sahni P, Garg P, Khadgawat R, Thulkar S, Bal C, Kumar R. Predictive Value of 68Ga-DOTANOC PET/CT in Patients With Suspicion of Neuroendocrine Tumors: Is Its Routine Use Justified? Clin Nucl Med. 2014 39:37-43.
 7. Sharma P, **Mukherjee A**, Karunanithi S, Nadarajah J, Gamanagatti S, Khan SA, Bal C, Kumar R. 99mTc-Methylene diphosphonate SPECT/CT as the one-stop imaging modality for the diagnosis of osteoid osteoma. Nucl Med Commun. 2014 ;35:876-883.
 8. Agarwal KK, **Mukherjee A**, Sharma P, Bal C, Kumar R. Incremental value of 99mTc-MDP hybrid SPECT/CT over planar scintigraphy and SPECT in avascular necrosis of the femoral head. Nucl Med Commun. 2015;36:1055-62.
 9. Agarwal KK, **Mukherjee A**, St A, Tripathi M, Bal C. Incremental value of single-photon emission computed tomography/computed tomography in the diagnosis of active condylar hyperplasia. Nucl Med Commun. 2017;38:29-34.
 10. Tripathi M, Agarwal KK, **Mukherjee A**, Thukral P, Damle NA, Shamim SA, Mahajan S, Bagchi S, Bal C. 99mTc-DMSA planar imaging versus dual-detector SPECT for the detection of renal cortical scars in patients with CKD-3. Nucl Med Commun. 2016;37:911-916.
 11. Arora G, Singh M, Jha P, Tripathy S, Bal C, **Mukherjee A**, Shamim SA. Formulation and characterization of lutetium-177-labeled stannous (tin) colloid for radiosynovectomy. Nucl Med Commun. 2017;38:587-592.

EDITORIAL IN PUBMED INDEXED JOURNAL

1. Patel CD, **Mukherjee A**. Assessment of left ventricular mechanical dyssynchrony in coronary artery disease. J Nucl Cardiol. 2016;23:737-40.

REVIEW ARTICLES IN PUBMED INDEXED JOURNAL

1. Sharma P, **Mukherjee A**, Bal C, Malhotra A, Kumar R Review. Somatostatin Receptor–Based PET/CT of Intracranial Tumors: A Potential Area of Application for ⁶⁸Ga-DOTA Peptides? American Journal of Roentgenology. 2013;201:1340-1347
2. Sharma P, **Mukherjee A**, Karunanithi S, Bal C, Kumar R. Potential role of 18F-FDG PET/CT in patients with fungal infections. AJR Am J Roentgenol. 2014 ;203:180-189.
3. Sharma P, **Mukherjee A**. Newer positron emission tomography radiopharmaceuticals for radiotherapy planning: an overview. Ann Transl Med. 2016;4:53.
4. Kumar R, **Mukherjee A**, Mittal BR. Special Techniques in PET/Computed Tomography Imaging for Evaluation of Head and Neck Cancer. PET Clin. 2016 ;11:13-20.

CASE REPORTS IN PUBMED INDEXED JOURNAL

1. **Mukherjee A**, Dhull VS, Sharma P, Parida GK, Jain S, Pal L, Kumar R. Pulmonary Amyloidosis in a Patient With Langerhans Cell Histiocytosis: Diagnostic Dilemma on 18F-FDG PET/CT. Clin Nucl Med. 2014;39:e263-4.
2. **Mukherjee A**, Singla S, Das CJ, Bal C, Kumar R Enchondroma of Clivus: Appearance on 18F-FDG PET-CT in Contrast With MRI. Clin Nucl Med 2015 ;40:e53-4.
3. **Mukherjee A**, Dhull VS, Karunanithi S, Sharma P, Durgapal P, Kumar R Pineal gland involvement in Erdheim-Chester disease detected on ¹⁸F-FDG

PET-CT imaging: A case report and review of literature Clinical Imaging, 2014;38:367-371.

4. **Mukherjee A**, Chakraborty PS, Behera A, Bal C, Kumar R. Radiation-Induced Esophagitis Masquerading as Disease Progression in Case of Esophageal Carcinoma: A Diagnostic Dilemma Solved on Follow-up FDG PET/CT. Clin Nucl Med. Clin Nucl Med. 2015 ;40:e380-381.
5. **Mukherjee A**, Karunanithi S, Singla S, Bal C, Das CJ, Kumar R. (18)F-FDG PET/CT in detection of sarcomatous degeneration of renal angiomyolipoma in setting of tuberous sclerosis. Indian J Nucl Med. 2014 ;29:280-281.
6. **Mukherjee A**, Karunanithi S, Singla S, Bal C, Kumar R. Gastrointestinal stromal tumour with unusual sites of metastasis: accurate staging with ¹⁸F-FDG PET/CT. Rev Esp Med Nucl Imagen Mol. 2015 ;34:60-611.
7. **Mukherjee A**, Damle N, Bal C, Arora A, Singhal A, Tripathi M, Peepre K. Role of (99m)Tc-MDP bone scan in the diagnosis of Erdheim-Chester disease. Indian J Nucl Med. 2014 ;29:165-7.
8. **Mukherjee A**, Karunanithi S, Bal C, Kumar R. 68Ga DOTANOC PET/CT aiding in the diagnosis of von Hippel-Lindau syndrome by detecting cerebellar hemangioblastoma and adrenal pheochromocytoma. Clin Nucl Med. 2014;39:920-921.
9. **Mukherjee A**, Karunanithi S, Singla S, Bal C, Kumar R. 68Ga DOTANOC PET/CT in primary neuroendocrine tumor of the breast. Clin Nucl Med. 2014;39:396-398.
10. **Mukherjee A**, Sharma P, Karunanithi S, Dhull VS, Kumar R. Lymphoma and tuberculosis: temporal evolution of dual pathology on sequential 18F-FDG PET/CT. Clin Nucl Med. 2014;39:736-737
11. **Mukherjee A**, Sharma P, Karunanithi S, Jain S, Kumar R. Synchronous ovarian carcinoma detected on staging ¹⁸F-FDG PET/CT in a patient of esophageal carcinoma: a rare association. Rev Esp Med Nucl Imagen Mol. 2014;33:308-309.

12. **Mukherjee A**, Karunanithi S, Singla S, Agarwal KK, Kumar A, Kumar R. ^{18}F -FDG PET/CT imaging in blow-out metastases of clavicle from carcinoma of urinary bladder. *Rev Esp Med Nucl Imagen Mol*. 2015;34:136-138.
13. Damle NA, Singhal A, **Mukherjee A**, Sahoo MK, Tripathi M, Bal C. Hemimegalencephaly: A rare cause of hemihypoperfusion on 99m technetium-ethyl cysteinate dimer brain perfusion single-photon emission computed tomography. *Indian J Nucl Med*. 2013;28:93-95.
14. Karunanithi S, Sharma P, Jain S, **Mukherjee A**, Kumar R. Iris Metastasis in a Patient With Small Cell Lung Cancer: Incidental Detection With 18F-FDG PET/CT. *Clin Nucl Med*. 2014 ;39:554-555.
15. Jain S, Sharma P, **Mukherjee A**, Bal C, Kumar R. "Witch's milk" and 99mTc-pertechnetate uptake in neonatal breast tissue: an uncommon but not unexpected finding. *Clin Nucl Med*. 2013;38:586-587.
16. Dhull VS, Sharma P, **Mukherjee A**, Jana M, Bal C, Kumar R. 18F-FDG PET-CT for Evaluation of Cardiac Angiosarcoma: A Case Report and Review of Literature. *Mol Imaging Radionucl Ther*. 2015;24:32-36.
17. Singla S, Singh H, **Mukherjee A**, Karunanithi S, Bal C, Kumar R. Cervical and thoracic actinomycosis on (18)F-FDG PET/CT. *Clin Nucl Med*. 2014;39:623-624.
18. Singhal A, Peepre K, Damle NA, **Mukherjee A**, Bal C, Tripathi M. Urinoma in a young child 6 months following dual cadaveric renal transplantation detected on technetium-99m ethylene dicysteine renal dynamic scan confirmed on SPECT/CT. *Indian J Nucl Med*. 2014;29:128-130.
19. Arora S, Dhull VS, **Mukherjee A**, Tulsyan S, Behera A, Tripathi M. Metastatic superscan on (99m)Tc-methylene diphosphonate bone scintigraphy in pediatric neuroblastoma. *Indian J Nucl Med*. 2015;30:286-7.
20. Tripathy S, **Mukherjee A**, Singh CA, Jat B, Bal C, Shamim SA. Glomus Tumor of the Larynx: A Rare Synchronous Paraganglioma in a Patient with Bilateral Carotid Body Tumor Detected on (68)Ga-DOTANOC PET/CT. *Indian J Nucl Med*. 2017;32 :241-242.

21. Shamim SA, Tripathy S, **Mukherjee A**, Bal C, Roy SG. 18-F-FDG PET-CT in Monitoring of Chemotherapeutic Effect in a Case of Metastatic Hepatic Epithelioid Hemangioendothelioma. Indian J Nucl Med. 2017;32:237-238.
22. Shamim SA, Tripathy S, **Mukherjee A**, Bal C, Tripathi M. (18-)F-FDG PET/CT in Localizing Additional CNS Lesion in a Case of Langerhans Cell Histiocytosis: Determining Accurate Extent of the Disease. Indian J Nucl Med. 2017;32:162-163.
23. Tripathy S, **Mukherjee A**, Bal C, Tripathi M, Mallick S, Shamim SA. Primary Germ Cell Tumor of Testes with Extensive Lymph Nodal and Splenic Metastases Masquerading Lymphoma on (18-)F-FDG PET/CT. Indian J Nucl Med. 2017;32:153-154.
24. **Mukherjee A**, Bal C, Tripathi M, Das CJ, Shamim SA. Cerebral Toxoplasmosis Masquerading Cns Lymphoma on FDG PET-CT in Post Renal Transplant Patient. Indian J Nucl Med. 2017;32:148-149.
25. **Mukherjee A**, Bal C, Tripathi M, Das CJ, Shamim SA. F-18-Fluorodeoxyglucose Positron Emission Tomography/Computed Tomography Appearance of Extramedullary Hematopoiesis in a Case of Primary Myelofibrosis. Indian J Nucl Med. 2017;32:143-144.
26. Sahoo MK, **Mukherjee A**, Girish, Parida K, Agarwal KK, Bal C, Tripathi M, Das CJ, Shamim SA. Pleuroperitoneal Mesothelioma: A Rare Entity on 18F-FDG PET/CT. Indian J Nucl Med. 2017;32:75-76.
27. **Mukherjee A**, Agarwal KK, Bal C, Kumar R. FDG DOTANOC Mismatch in In Vivo Characterization and Grading of Neuroendocrine Tumor. Clin Nucl Med. 2016;41:e511-e513.
28. **Mukherjee A**, Agarwal KK, Gogia A, Bal C, Kumar R. Bilateral Renal Involvement in Mantle Cell Lymphoma on FDG PET/CT. Clin Nucl Med. 2016;41:e206-7.

ABSTRACT

1. **Anirban Mukherjee** , Chetan D Patel, Harmandeep Singh , Punit Sharma , Nitish Naik , Gautam Sharma , Ambuj Roy , Arun Malhotra. Quantitative assessment of cardiac mechanical dyssynchrony before and after Cardiac Resynchronization therapy in patients with non-ischemic dilated cardiomyopathy using Equilibrium radionuclide angiography. Global Heart 2014;9(1):e179—e180.
2. **Anirban Mukherjee**, Punit Sharma, Harmandeep Singh, Sudhir Suman KC, Rakesh Kumar, Chandrasekhar Bal . ^{18}F -FDG PET/CT imaging in patients with cutaneous lymphoma: single institutional experience. Asia Oceania Journal of Nuclear Medicine & Biology 2014;2(1):S28.
3. **Anirban Mukherjee** , Chetan D Patel Nitish Naik , Gautam Sharma, Ambuj Roy. Cardiac mechanical dyssynchrony assessed by Equilibrium radionuclide angiography (ERNA) in patients with non-ischemic dilated cardiomyopathy(DCM) –Prediction of response to CRT . Asia Oceania Journal of Nuclear Medicine & Biology 2014;2(1):S24.
4. **Anirban Mukherjee**, Punit Sharma, Sellam Karunanithi, Ganesh Kumar, Niraj Naswa, Chandrasekhar Bal, Rakesh Kumar. Evaluation of ^{68}Ga -DOTANOC PET/CT imaging in patients with Multiple Endocrine Neoplasia Syndromes Journal of Nuclear Medicine 2014;55(1):1955
5. **Anirban Mukherjee** , Chetan D Patel, Nitish Naik , Gautam Sharma, Ambuj Roy Cardiac mechanical dyssynchrony assessment in patients with non-ischemic dilated cardiomyopathy using Tc-99m MIBI myocardial perfusion SPECT –

correlation with Equilibrium Radionuclide Angiography . Journal of Nuclear Medicine 2014;55(1):1752

6. **Anirban Mukherjee**, Chetan.D Patel, Nitish Naik , Gautam Sharma , Ambuj Roy
Prediction of response to CRT in patients with non-ischemic dilated cardiomyopathy using gated myocardial perfusion SPECT. Indian Journal of Nuclear Medicine 2014; Suppl. 1.
7. **Anirban Mukherjee**, Krishakant Aggarwal, Punit Sharma, Chandrasekhar Bal ,
Rakesh Kumar. Incremental value of ^{99m}Tc -MDP hybrid SPECT-CT over planer scintigraphy and SPECT in avascular necrosis of hip. Indian Journal of Nuclear Medicine 2014; Suppl. 1.
8. Chetan D Patel, **Anirban Mukherjee** , Harmandeep Singh , Punit Sharma , Nitish Naik , Gautam Sharma , Ambuj Roy , Arun Malhotra Cardiac mechanical dyssynchrony assessment in patients with non-ischemic dilated cardiomyopathy using Tc-99m MIBI myocardial perfusion SPECT – correlation with Equilibrium Radionuclide Angiography . Global Heart 2014;9(1):e249—e250.
9. Chetan.D Patel, **Anirban Mukherjee**, Nitish Naik , Gautam Sharma , Ambuj Roy
Prediction of response to CRT in patients with non-ischemic dilated cardiomyopathy using gated myocardial perfusion SPECT (GMPS). Asia Oceania Journal of Nuclear Medicine & Biology 2014;2(1):S39.
10. Rakesh Kumar, **Anirban Mukherjee** , Chetan Patel , Chandrashekhar Bal. Role of F-18 FDG PET/CT in detection of contralateral breast cancer in patients with known breast cancer undergoing PET-CT scan for restaging. Journal of Nuclear Medicine 2015;56(3):291

11. S. Arora, P. Sharma, H. Singh, **A. Mukherjee**, A. Malhotra, C. Bal, R. Kumar
68Ga-DOTANOC PET/CT for staging and restaging of patients with pancreatic
neuroendocrine tumors. Eur J Nucl Med Mol Imaging. 2013 ;40(S2).
12. A. Kumar, P. Sharma, **A. Mukherjee**, S. Karunanithi, R. Kumar,
G.Bandhopadhyaya, A. Malhotra, C. Bal Role of 68Ga-DOTANOC, 18F-DOPA
and 131I-MIBG imaging in the evaluation of multiple endocrine neoplasia. Eur J
Nucl Med Mol Imaging. 2013 ;40(S2).
13. Nishikant Damle, Geetanjali Arora, Ajiv Mishra, Madhavi Tripathi, Chandrasekhar
Bal, Abhinav Singhal, Praveen Kumar, **Anirban Mukherjee**, Sanjana
Ballal, and Rajeev Kumar. Incremental value of red cell mass estimation by 51Cr
labeled erythrocytes over hematocrit in establishing the clinical diagnosis of
polycythemia vera (PCV). Journal of Nuclear Medicine 2013;54(2):1963

REFERENCES

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