

DEPT OF NUCLEAR MEDICINE & PET CT
AMRITA INSTITUTE OF MEDICAL SCIENCES, COCHIN

LIST OF NATIONAL & INTERNATIONAL AWARDS / ACHIEVEMENTS (2000-2012):

1. **Prof Arcot Gajaraj Best Paper Award for scientific paper "Dacryoscintigraphy in the evaluation of Nasolacrimal duct patency" presented at SNMI South chapter annual conference, Cochin, 2000.**
2. **IASNM (Indo American Society of Nuclear Medicine) 2003 - Travel grant award for best Indian abstract presented in Society of Nuclear Medicine Annual Conference 2003, New Orleans, USA.
Abstract: 'Ischemia & myocardial hibernation is more frequently associated with non-transmural myocardial infarction than transmural - utility of myocardial perfusion SPECT.**
3. **Travel grant award by European Society Cardiology to attend International Conference on Nuclear Cardiology ICNC Lisbon Portugal 2005 - for review article on "Paediatric Myocardial perfusion imaging"**
4. **Travel grant award by European Society Cardiology to attend International Conference on Nuclear Cardiology Lisbon Portugal 2005 – for review article on "Role of nuclear medicine in preoperative evaluation of patients with or at risk of coronary artery disease undergoing non cardiac surgery"**
5. **World Federation of Nuclear Medicine & Biology (WFNMB) Travel Grant award 2006 for Abstract titled "Three phase bone scans in assessing Patellar vascularity in Total knee arthroplasty" presented at WFNMB Conference, Seoul, South Korea 2006.**
6. **International Atomic Energy Agency (IAEA) Travel grant award 2006 for abstract titled "Assessment of silent ischemia by stress myocardial perfusion scintigraphy in essential hypertensives with / without type 2 diabetes presented in IPET conference, Seoul, South Korea 2006**
7. **Travel grant award by European Society Cardiology to attend International Conference on Nuclear Cardiology ICNC Prague, Czech Republic, 2007 for review article on "Role of nuclear medicine imaging in cardiac transplants"**
8. **Travel grant award by European Society Cardiology to attend International Conference on Nuclear Cardiology Prague, Czech Republic, ICNC 2007 - for review article on ""Cardiac innervation scintigraphy"**
9. **Travel Grant winner of Asian Regional Cooperation Council on Nuclear Medicine to attend ARCCNM conference in Bangkok Thailand 2007 for Abstract titled "Incremental value of Technetium MIBI SPECT, MR fusion imaging in evaluation of intracranial space occupying lesions"**
10. **Best paper award 2008: Nuclear medicine and its role in identification of Meckels diverticulum presented in World Holistic medicine conference, Bangalore 2008**

11. **Annual Conference of European Association of Nuclear Medicine EANM Best abstract selected for inclusion in Conf Highlights lecture "A statistically significant threshold to predict the therapeutic outcome of acute Charcot's foot using three phase bone scans" in EANM Birmingham UK 2011**
12. **International Atomic Energy Agency (IAEA) Travel grant award to attend International Conference on Clinical PET & Molecular Nuclear Medicine (IPET), for abstract titled "Sentinel lymph node scintigraphy & Gamma probing in patients with early stage carcinoma cervix" Vienna, IPET 2011.**
13. **Hepatobiliary scintigraphy: lighting the right (hepatobiliary) track presented at annual conf of SNMI, Chennai Dec 2011 by Dr Chaitanya Borde.
– won the Shakuntala Krishnamurthy Nuclear hepatology award.**

LIST OF NATIONAL & INTERNATIONAL PUBLICATIONS (2000-2012):

1. **Role of Cholescintigraphy in localizing bile leakage in a case of Abdominal Trauma - Indian Journal of Nuclear Medicine IJNM - March 2001.**
2. **Radionuclide Ventriculography in the evaluation of Atrial Myxoma - Indian Journal of Nuclear Medicine IJNM - March 2001**
3. **Chapter on 'Radionuclides in Gastroenterology' in Textbook "Practical Gastroenterology" by Dr V Balakrishnan, Jaypee publishers – 2007**
4. **Role of MDP & Gallium Imaging in evaluation of diabetic osteopathy – "The Foot" International Journal Jan 2007**
5. **Sentinel node biopsy in Cervical cancer – A pilot study
– Indian journal of Medical & paediatric oncology. 2007**
6. **The role of Tc sestaMIBI scintigraphy in the differential diagnosis of thyroid cold nodule – Indian journal of endocrinology and metabolism. Vol 11, Jan – June 2007.**
7. **Scintigraphic Assessment of Patellar Viability in Total Knee Arthroplasty After Lateral Release. The International Journal of Orthopedics May 2008**
8. **Review article titled "Role of Myocardial Perfusion SPECT in Paediatric Cardiology practice – Annals of Pediatric Cardiology" – 2009**
9. **A Rare Case of Menkes Kinky Hair Syndrome With Osseous Involvement" - Fooyin International J Health Sci 2009 Mar 2010**
10. **Tibial Hemangiopericytoma diagnosed by Nuclear medicine techniques - Fooyin International J Health Sci 2010**

11. **Review article titled "Cardiovascular Molecular Imaging: Present and Future"-
Indian Journal of Clinical Cardiology - Oct 2009**
12. **Idiopathic anti-NMDA-receptor encephalitis in a young Indian girl - Neurology
India 2010**
13. **Staring secondaries where is the primary– Indian journal of medical &
paediatric oncology - Dec 2010**
14. **New Intraspinal cause of physiological FDG uptake
– Indian Journal of Nuclear Medicine, IJNM Oct 2010**
15. **Hypercalcemia with extraosseous MDP uptake in a bone scan as initial
presentation in a case of cutaneous T-cell lymphoma - Journal of cancer
research & therapeutics JCRT – January-March 2011**
16. **Transient cytotoxicity of I 131 beta radiation in hyperthyroid patients treated
with radioactive Iodine - Indian J Med Res (IJMR) April 2011**
17. **Hands on Nuclear medicine - HOSMAC Pulse 'Taking healthcare beyond the
Metros' April 2011**
18. **Review article titled " Role of PET CT in Carcinoma Lung evaluation - Journal
of Cancer Research and Therapeutics JCRT - Apr 2011**
19. **Review article titled "Ischemic cardiac memory & metabolism imaging by
Nuclear medicine techniques"
- Journal of Nuclear medicine communications NMC International, April 2011**
20. **PETCT in the evaluation of antiNMDA receptor encephalitis : What we need to
know as a NM physician IJNM June 20122**
21. **Dacryoscintigraphy: an effective tool in the evaluation of postoperative
epiphora - Journal of Nuclear medicine communications International, Nov
2011**
22. **Salivagram revisited, justifying its routine use for the evaluation of
persistent/ recurrent lower respiratory tract infections in developmentally
normal children - Annals of Nuclear medicine published May 2012**
23. **Scintigraphic assessment of patellar vascularity in total knee replacement
surgeries following lateral release- Avicenna journal of medicine – To be
published 2012**
24. **Lymphoscintigraphy in Unilateral lower limb and scrotal lymphedema
due to filariasis – American journal of tropical medicine & hygiene
– To be published 2012**

25. **Detection of atypical unsuspected metastases in recurrent adenoid cystic carcinoma of parotid gland-case report - *Journal of Cancer Research and Therapeutics* – To be published 2012**
26. **Papillary Carcinoma thyroid with uveal metastases – *Clinical Nuclear medicine* to be published 2012.**
27. **Lateral ectopia of thyroid – *Iranian journal of Nuclear medicine* – To be published 2012**
28. **FDG PETCT in occult bacteremia – *Annals of Indian academy of Neurology* – will be published in Apr 2013.**
29. **Chapter on PET in Thyroid diseases - ITS book of Thyroid disorders 2012 - Elsevier and Indian Thyroid Society.**

LIST OF INTERNATIONAL SCIENTIFIC PRESENTATIONS (2000-2012):

1. **Dacryoscintigraphy in the evaluation of epiphora
Abstract presented at Annual Congress of Europ Assoc of Nuclear Medicine
Naples, Italy, Aug 2001**
2. **Interpretational patterns in Stress Rest Tc MIBI Myocardial Perfusion Gated
SPECT imaging
Abstract presented at IAEA International Symposium on Cardiovascular
Nuclear Medicine, Beijing, China, May 2002**
3. **Specificity of Transient left ventricular dilatation in IHD evaluation by
Myocardial perfusion scintigraphy: Presented at 1st ARCCNM, Dalian, China,
June 2002**
4. **Does Tc MIBI infusion improve the sensitivity of myocardial viability detection
in patients with extensive myocardial infarcts? Presented at 1st ARCCNM,
Dalian, China, June 2002**
5. **Role of Tc MDP & Gallium skeletal of imaging in evaluation diabetic
Osteopathy: Presented at 49th Annual Conference of SNM, Los Angeles, USA,
June 2002**
6. **Value of Tc DTPA Exercise Renogram in recently detected young hypertensives
with negative Tc DTPA Captopril Renograms: Presented at 49th Annual
Conference of SNM Los Angeles, USA, June 2002**
7. **Tc DTPA F+0 Renogram – An effective & easy to perform protocol in
evaluation of PUJ obstruction in children less than 3 years of age:
Presented at 49th Annual Conference of SNM Los Angeles, USA, June 2002**

8. **F+10 diuretic renography protocol is better than F-15 in follow up of post pyeloplasty patients. Presented at 50th Annual meeting of Society of Nuclear Medicine, June 2003, New Orleans, USA**
9. **SestaMIBI Uptake Patterns in LBBB Patients Undergoing Adenosine Myocardial SPECT. Presented at EANM'03 Annual Congress, August 2003, Amsterdam. The Netherlands**
10. **Can 18 Hours Delayed Thallium Myocardial Perfusion SPECT Obviate need of reinjection SPECT in Myocardial Viability Assessment? Presented at EANM 2003 Annual Congress – Amsterdam Aug 2003. Netherlands**
11. **^{67}Ga & $^{99\text{m}}\text{Tc}$ MDP Combined Scintigraphy in evaluation of Painful Joint Prosthesis for Infection / Aseptic Loosening. Presentation at Annual Congress of EANM'03, Amsterdam. Netherlands**
12. **Digitalization of a Nuclear cardiology lab and network sophistication i.e PACS enhances image management and patient output. Presentation at Annual Cong of EANM'03, August, 2003, Amsterdam, Netherlands**
13. **Incremental value of combined $^{99\text{m}}\text{Tc}$ Tetrofosmin parathyroid scintigraphy, rapid intra operative PTH assays & minimally invasive radio-guided surgery (MIRS) in optimizing parathyroidectomies. Presented at Annual Congress of EANM'04 Helsinki. Finland 2004.**
14. **Role of $^{99\text{m}}\text{Tc}$ Sestamibi SPECT in evaluation of Intracranial Space Occupying Lesions: Presented at Annual Congress of EANM Helsinki, Finland, Sept 2004**
15. **Quantitational assessment of extensive CAD by myocardial perfusion SPECT & transient ischemic dilatation: Presented at Annual Congress of EANM, Helsinki. Finland, Sept 2004**
16. **Is chronic ST segment elevation a marker of myocardial non-viability in patients with Q wave anteroseptal MI? - Correlation with myocardial perfusion SPECT: Presented in 7th International Conference of Nuclear Cardiology, May 2005, Lisbon, Portugal**
17. **Role of Myocardial Perfusion Imaging in eval of patients with Non Transmural MI: 7th International Conf of Nuclear Cardiology, May 2005, Lisbon, Portugal.**
18. **Visual & quantitative assessment of silent ischemia by stress MPI in essential hypertensives with & without type II diabetes: Presented at annual congress of EANM 2006 Athens, Greece**
19. **Sentinel node scintigraphy, probing in Head & neck squamous cell carcinomas: Presented at Annual congress of EANM 2006 Athens, Greece**

20. **Incremental value of percentage wall thickening analysis (%WT) in myocardial viability assessment by quantitative Tc Myocardial perfusion SPECT: Presented at ICNC International conference of Nuclear Cardiology, Prague, April 2007**
21. **Surgical outcome of ischemic mitral regurgitation in patients with sever LV dysfunction – Role of gated MPI SPECT: Presented at Annual congress of EANM 2008, Munich, Germany**
22. **Is reciprocal ST depression an accurate indicator of myocardial viability in infarct related artery? Evaluation by Myocardial Perfusion Scintigraphy: Presented at Annual congress of EANM 2008, Munich, Germany**
23. **Incremental value of Pretherapy ¹³¹I wholebody scintigraphy in differentiated thyroid malignancies: Presented at Nuclear medicine update, SGH, Singapore Mar 2009**
24. **Incremental role of Salivagram in evaluation of children with lower respiratory tract infections: Presented at Nuclear medicine update, SGH, Singapore Mar 2010**
25. **A statistically significant threshold to predict the therapeutic outcome of acute Charcot's foot using three phase bone scans: Presentation at annual conference of EANM 2011 Birmingham UK**
26. **Role of a novel infusion salivagram in the evaluation of recurrent respiratory tract infections in infants: Presentation at Annual conference of EANM 2011 Oct, Birmingham, UK**
27. **^{99m}Tc MIBI Infusion & Low Dose Dobutamine Gated SPECT - A Novel Myocardial Viability Detection Protocol in Ischaemic Cardiomyopathy: Presentation at International Conference on Clinical PET and Molecular Nuclear Medicine (IPET 2011), Vienna Nov 2011**
28. **Sentinel lymph node scintigraphy and gamma probing in patients with early stage carcinoma cervix: Presentation at International Conference on Clinical PET and Molecular Nuclear Medicine (IPET 2011), Vienna Nov 2011**
29. **Asia Oceana conference of Nuclear medicine & biology AOFNMB 'Hyperglycemia management in patients for ¹⁸F FDG PET study – a modified approach and our initial experience –Tehran, Iran May 2012**
30. **Correlation of serum parathyroid hormone level with size and detectability of parathyroid adenoma on Tc sestamibi parathyroid dual phase scintigraphy & feasibility of avoiding delayed imaging – To be presented at EANM Oct 2012 Milan Italy**
31. **Incremental value of ^{99m}Tc MIBI SPECT myocardial viability assessment in predicting functional recovery in ischemic cardiomyopathy' To be presented at Annual Conference of EANM Milan Italy Oct 2012**

32. **Correlation of Myocardial SPECT findings with TIMI risk score in Acute Coronary Syndrome (ACS) patients and their prognostic implications
To be presented at Annual Conference of EANM Milan Italy Oct 2012**
33. **'An Audit of Adolescent Differentiated Thyroid Carcinoma -Its Presentation and Management Perspective' To be presented at Annual Conference of EANM Milan Italy Oct 2012**

LIST OF NATIONAL SCIENTIFIC PRESENTATIONS BY FACULTY:

1. Ictal & Inter Ictal cerebral Perfusion SPECT in evaluation of Epilepsy presented at 32nd Annual Conference of SNM India, Mumbai 2000 by Dr P.S. Sundaram
2. Role of Hepatobiliary (HIDA) Scintigraphy in evaluation of Neonatal Hyperbilirubinemia – presented at Annual Conf of Biliary & Pancreatic Disease, Mumbai, Nov 2001
3. ²⁰¹Thallium Myocardial Viability evaluation: Stress – redistribution – Reinjection Vs Stress – Redistribution – Delayed imaging protocol presented at 3rd National Conference on Nuclear Cardiology held at Hyderabad Dec 2001 by Dr S Padma
4. Image archiving & data distribution in a fully digitized Nuclear Medicine Dept. using DICOM services – A first hand experience. Presented at 33rd Annual Conference of SNM India, New Delhi 2001 by Dr P.S. Sundaram
5. ^{99m}Tc MAA lung perfusion scintigraphy for post operative FEV1 prediction in patients undergoing pneumonectomy/Lobectomy. Presented at 33rd Annual Conf of SNM India, New Delhi – 2001 by Dr P.S. Sundaram
6. SestaMIBI myocardial uptake patterns in Bundle Branch Blocks: Presented at 34th Annual Conf.of SNM India, Kolkata Dec 2002 by Dr P.S. Sundaram
7. Primary hyperparathyroidism presenting as Acute Pancreatitis: Diagnosis & Surgical management by Nuclear Medicine techniques. Presented at SNMI South chapter annual conference, Trivandrum, 2004 by Dr P.S. Sundaram
8. Role of Nuclear Imaging in Differential Diagnosis of MRI Detected Brain lesions Presented at Annual conf of ANMPI Darjeeling 2005 by Dr S. Padma
9. Surgical outcome of Ischaemic Mitral Regurgitation in pts with severe LV dysfunction – Role of Gated Myocardial Perfusion SPECT. Presented at Annual conf of ANMPI Udaipur, Rajasthan 2007, by Dr S. Padma
10. Optimal Techniques for Intraoperative probe localisation of Sentinel nodes. Presented at ANMPI annual conference Hyderabad 2007 by Dr S. Padma
11. Is exercise induced ST depression an accurate indicator of viability in Infarct related artery?
Presented at Asia Oceana federation of Nuclear medicine & biology conferences AOFNMB, New Delhi Nov 2008, by Dr S. Padma
12. Novel ¹³¹I administration by AIMS technique – presented by chief technologist Sanjay Babu at annual conference of SNMI south chapter, Tirupati, July 2011

BY STUDENTS:

13. Nuclear medicine and its role in identification of Meckels diverticulum, presented at World Holistic medicine conference, Bangalore 2008 by Dr Vijay Harish.
14. Role of diagnostic and post therapy WBI scans in differentiated thyroid cancers - presented at annual conf of SNMI south chapter, Thrissur 2008 by Dr Vijay Harish.

15. Role of Nuclear medicine to predict the Therapeutic Outcome of Acute Charcot's using Three Phase Bone Scan – Presented at annual conf of ANMPI Bangalore 2009 by Dr Jay kumar Rai.
16. Diagnostic ¹³¹I scan induced thyroid stunning – a myth or a reality & does it adversely affect the treatment outcome ? Presented at Annual conf of ANMPI, Bangalore 2009 by Dr Shamly George.
17. Positive impacts of pre-therapy WBI scan in the management of differentiated thyroid cancer. Presented at SNMI Jaipur 2009 annual conf - by Dr Vijay Harish.
18. Evaluation of antegrade aspiration in children with recurrent LRTI using radionuclide salivagram. Presented at SNMI Jaipur 2009 annual conf - by Dr Vijay Harish.
19. Incremental role of pretherapy ¹³¹I scan and thyroid stunning in differentiated thyroid carcinomas. Presented at IFNOS 2010 - International conference of Head & Neck surgery, Bangalore - by Dr Vijay Harish
20. Role of ¹⁸F FDG PET CT in the evaluation of postoperative patients of colorectal cancer with raised CEA levels – presented at annual conf of SNMI south chapter, Tirupati, July 2011 by Dr Anshu Tewari.
21. Role of ¹⁸F-FDG PET/CT in recurrence on follow up in bone and soft tissue sarcoma- To be presented by Dr Sunny Gandhi in annual ANMPI conference New Delhi Sept 2012
22. Role of Preoperative ¹⁸F-FDG- PET/CT in early-stage breast cancer upstaging and modification of treatment. To be presented by Dr Anshu Tiwari in annual ANMPI conference New Delhi Sept 2012