

# **CURRICULUM VITAE**



## **DR. GOPINATH GNANASEGARAN**

**MBBS, MSc, MD, FRCP, FBIR**

**Consultant Physician in Nuclear Medicine  
Royal Free London NHS Foundation Trust, London UK**

**Honorary Associate Professor, University College  
London**

**Honorary Consultant in Nuclear Medicine, University  
College London Hospitals NHS Foundation Trust,  
London, UK**

## **PERSONAL DETAILS:**

**Name:**

**Gopinath Gnanasegaran**

**Mobile:**

07956196518

**Email**

**gopinath.gnanasegaran@nhs.net**

**segaran06@hotmail.com**

## **MEDICAL EDUCATION**

<b>Degree</b>	<b>Duration/ Year of completion</b>	<b>Institution/University</b>
1. M.B.B.S (Including Internship/PRHO)	1989-1995	Mysore Medical College, Mysore University, India
2. MSc- Nuclear Medicine (Science and Practice)	2000-2001	King's College, London, London University
3. MD-Nuclear Medicine	2001-2004	University College London (UCL) London University
4. FRCP (Hon)	2011	Royal College of Physicians London
5. FBIR (Hon)	2016	British Institute of Radiology

## **PERSONAL STATEMENT**

Hybrid & Molecular imaging and therapy is a rapidly growing speciality. My passion for functional imaging was the main drive for my career pathway in this speciality. Currently based Royal Free London NHS Foundation Trust, as a consultant physician in nuclear medicine & PET/CT. I have completed my training & research at the Guy's & St Thomas' Hospital and Royal Free Hospital.

I am competent in all aspects of radionuclide imaging & therapy. I have had extensive training in radionuclide therapy at Guy's Hospital and I set have up (a) radiosynovectomy service, (b) paediatric nuclear medicine service, (c) Sentinel lymph node imaging with hybrid imaging and hybrid tracers and (d) have expanded SPECT/CT Service at Guy's & St Thomas' Hospital. Currently developing imaging guided surgery with the surgical team.

I have good academic foundation in Nuclear Medicine having been trained in a highly academic and research oriented Nuclear Medicine departments which lead to an MSc & MD. I have first-hand experience in leadership and governance. I was the departmental audit lead from 2007-2014 and was instrumental in bringing new changes. Currently, is the chair of Theranostics SIG (British Institute of Radiology) and past member of the European Association of Nuclear Medicine Bone Committee, drafting Bone imaging guidelines. I am currently member of European Association of Nuclear Medicine Oncology and Theranostics Committee.

I have a passion for teaching and I have been actively involved in training medical and allied staff. Currently, I am the chair of British Nuclear Medicine Society (BNMS), Education committee and was instrumental in developing 15 pocket-books in PET/CT & SPECT/CT Imaging. I organise an annual SPECT/CT course for the BIR, which is always well attended since 2012. I am also involved in organising very successful annual congress for the BNMS as a vice-chairman of scientific Committee. I am a strong believer in team-work and have good interpersonal & professional relationships with all members of the team.

## **APPOINTMENTS**

### **CURRENT APPOINTMENT**

1.2.2016 -Till date                      Consultant Physician in Nuclear Medicine  
&PET/CT,  
Royal Free London NHS Foundation Trust, London  
UK

### **PREVIOUS APPOINTMENTS**

23-6-2007-31-01.2016                      Consultant Physician in Nuclear Medicine  
&PET/CT,  
Guy's and St Thomas' NHS Foundation Trust,  
London UK

23.6.2004 to 22.6.2007                      Specialist Registrar, Nuclear Medicine  
Guy's and St Thomas' Hospital NHS Trust, London  
**Prof I Fogelman, Dr SEM Clarke, Dr T O Nunan**

01.10.                      2001                      to                      Clinical Research Fellow in Nuclear Medicine  
22.06.2004                      Royal Free Hospital, London  
**Dr J R Buscombe, Dr A J W Hilson**

01.11.2000 to 31.09.2001                      Clinical Fellow in Nuclear Medicine  
Royal Free Hospital, London  
**Dr J R Buscombe, Dr A J W Hilson**

## **MEMBERSHIP OF SOCIETIES**

European Association of Nuclear Medicine (EANM)

British Nuclear Medicine Society (BNMS)

British Institute of Radiology (BIR)

Society of Nuclear Medicine, India

Royal College of Physicians, London

World Association of Radiopharmaceutical and Molecular Therapy

Hon member Association of Nuclear Medicine Physicians of India

Life member- London University

### **PRIZES & AWARDS:**

1. Special award for top BIR educator-2019 Longstanding Educational Contributor" award in 2019 for his effort and commitment to the multidisciplinary nuclear medicine community's education
2. Fellow of British Institute of Radiology (FBIR) (2017)
3. R D Lele Oration- Association of Nuclear Medicine Physicians of India (2015) for my Contribution to Nuclear Medicine
4. Certificate of Merit RSNA 2014 (Co-author & Supervisor)
5. Best educational exhibit (2014) SNM (Co-author& Supervisor)
6. Hon member Association of Nuclear Medicine Physicians of India
7. 1st Prize Student abstract category 2013(Co-author& Supervisor)
8. 3rd Prize Student abstract category 2012(Co-author& Supervisor)
9. Young Investigator's Prize BNMS 2012 (Co-author& Supervisor)
10. Young Investigator's Prize BNMS 2015 (Co-author& Supervisor)
11. 3rd place Poster prize BNMS 2011 (Co-author& Supervisor)
12. 1st place Student prize BNMS 2011 (Co-author & Supervisor)
13. Certificate of Merit RSNA 2009(Co-author & Supervisor)
14. MagnaCum Laude, RSNA 2008
15. 3rd Best Abstract, BNCS 2004

### **SPECIAL INTEREST**

SPECT/CT & PET/CT Hybrid imaging

Radionuclide therapy: Radiosynovectomy, radioiodine, radium, radiopeptide therapy

Sentinel node imaging and radioguided/image guided surgery

Education & training

### **MD THESIS**

Methods to assess the biodistribution of radiolabelled somatostatin analogues and treatment response of Neuroendocrine Tumours, University of London, 2004 Gnanasegaran G

### **MSC PROJECT**

Biodistribution of Somatostatin Analogues  
University of London, 2001  
Gnanasegaran G

### **PUBLICATIONS:**

#### **BOOKS**

1. **Atlas of Clinical PET-CT in Treatment Response Evaluation in Oncology**  
Fanti S, Gnanasegaran G, Carrio I (Eds) 2021
2. **Pocket Handbook for Peptide Receptor Radionuclide Therapy:**  
S Navalkisoor and G Gnanasegaran (eds), 2020
3. **An Atlas of Clinical Nuclear Medicine, 3rd edition.**  
I Fogelman, S E Clarke, G J Cook & G Gnanasegaran, CRC Publications 2014
4. **Radionuclide and Hybrid Bone Imaging.** |  
Fogelman G Gnanasegaran, & H Vander Wal, Springer's 2013
5. **Integrating Cardiology for Nuclear Medicine Physicians**  
Assad Movahed, Gopinath Gnanasegaran, John Buscombe, and Margaret Hall. Springer's 2009
6. **A History of the Development of Radionuclide Studies in the UK"** Editors: McCready, Ralph, Gnanasegaran, Gopinath, Bomanji, Jamshed B. (Eds.) 2016

**PET-CT POCKET BOOK SERIES : Co- Series editor:**

**Jamshed Bomanji, Gopinath Gnanasegaran, Homer Macpinlac, Stefano Fanti**

1. **PET/CT in Gynecological Cancers**, Editors: Barwick, Tara, Rockall, Andrea; Series editors : Jamshed Bomanji, Gopinath Gnanasegaran, Homer Macpinlac, Stefano Fanti
2. **PET/CT in Oesophageal and Gastric Cancer | Teresa Szyszko.** Series editors : Jamshed Bomanji, Gopinath Gnanasegaran, Homer Macpinlac, Stefano Fanti
3. **PET/CT in Cancer of Unknown Primary**; Editors: Seshadri, Nagabhushan, Eswar, Chinnamani; Series editors : Jamshed Bomanji, Gopinath Gnanasegaran, Homer Macpinlac, Stefano Fanti
4. **PET/CT in Radiotherapy Planning; Sue Chua**; Series editors : Jamshed Bomanji, Gopinath Gnanasegaran, Homer Macpinlac, Stefano Fanti
5. **PET/CT in Hodgkin's Lymphoma**, Editors: Kayani, Irfan, Series editors : Jamshed Bomanji, Gopinath Gnanasegaran, Homer Macpinlac, Stefano Fanti
6. **PET/CT in Colorectal Cancer**; Editors: Du, Yong; Series editors : Jamshed Bomanji, Gopinath Gnanasegaran, Homer Macpinlac, Stefano Fanti
7. **PET/CT in Lung cancer**; Editors: Archi Agrawal, Venkatesh Rangarajan Series editors : Jamshed Bomanji, Gopinath Gnanasegaran, Homer Macpinlac, Stefano Fanti
8. **PET/CT in Melanoma**; Editors: M Hofman and R Hicks; Series editors : Jamshed Bomanji, Gopinath Gnanasegaran, Homer Macpinlac, Stefano Fanti
9. **PET/CT in Head and Neck Cancer**; Editor: WailLup Wong ; Series editors : Jamshed Bomanji, Gopinath Gnanasegaran, Homer Macpinlac, Stefano Fanti

10. **PET/CT in Thyroid cancer**; Editors: S Vinjamuri; Series editors : Jamshed Bomanji, Gopinath Gnanasegaran, Homer Macpinlac, Stefano Fanti
11. **PET Tracers**; Editors: J Ballinger ; Series editors : Jamshed Bomanji, Gopinath Gnanasegaran, Homer Macpinlac, Stefano Fanti
12. **PET/CT in Breast cancer**; Editors: R Kumar ; Series editors : Jamshed Bomanji, Gopinath Gnanasegaran, Homer Macpinlac, Stefano Fanti
13. **PET/CT in Hepatobiliary cancers**; Editors: S Shah, N Purandere; Series editors : Jamshed Bomanji, Gopinath Gnanasegaran, Homer Macpinlac, Stefano Fanti
14. **PET/CT in Prostate cancer**; Editors: G Cook ; Series editors : Jamshed Bomanji, Gopinath Gnanasegaran, Homer Macpinlac, Stefano Fanti
15. **PET/CT in Non-Hodgkin's Lymphoma** ; Editors: Editors: Kayani, Irfan; Series editors : Jamshed Bomanji, Gopinath Gnanasegaran, Homer Macpinlac, Stefano Fanti Editors: Kayani, Irfan
16. **PET/CT in infection and inflammation** Editors: S Basu and Wagner T Series editors : Jamshed Bomanji, Gopinath Gnanasegaran, Homer Macpinlac, Stefano Fanti Editors: Kayani, Irfan

### **GUEST EDITOR**

Seminars in Nuclear Medicine Skeletal Scintigraphy Update (Part I & II)  
2010

Seminars in Nuclear Medicine: Pitfalls in Nuclear Medicine (Part 1 & 2)  
2015

Seminars in Nuclear Medicine : Bone SPECT/CT in orthopaedics (Sept  
2018)



## **PUBLICATIONS IN PEER REVIEWED JOURNALS**

1. **Gnanasegaran G**, Paez D, Sathekge M, Giammarile F, Fanti S, Chiti A, Bom H, Vinjamuri S, Pascual TN, Bomanji J. Coronavirus (COVID-19) pandemic mediated changing trends in nuclear medicine education and training: time to change and scintillate. *Eur J Nucl Med Mol Imaging*. 2021 Mar 4:1–9
2. Chen L, Navalkissoor S, Quigley AM, **Gnanasegaran G**, Mandair D, Toumpanakis C, Caplin ME, Hayes AR. <sup>177</sup>Lu-DOTATATE in older patients with metastatic neuroendocrine tumours: safety, efficacy and health-related quality of life. *Eur J Nucl Med Mol Imaging*. 2021 Apr 9
3. Usmani S, Ahmed N, **Gnanasegaran G**, Musbah A, Al Kandari F, Van den Wyngaert T. <sup>18</sup>F-NaF PET/CT of Obese Patients on a Lutetium-Yttrium Oxyorthosilicate PET/CT System: Patient Dosimetry, Optimization of Injected Activity, and Acquisition Time. *J Nucl Med Technol*. 2021 ;49(2):150-155.
4. Usmani S, Ahmed N, **Gnanasegaran G**, Rasheed R, Marafi F, Alnaaimi M, Omar M, Musbah A, Al Kandari F, De Schepper S, Van den Wyngaert T. The clinical effectiveness of reconstructing <sup>18</sup>F-sodium fluoride PET/CT bone using Bayesian penalized likelihood algorithm for evaluation of metastatic bone disease in obese patients. *Br J Radiol*. 2021 1;94(1120)
5. Halsey R, Priftakis D, **Gnanasegaran G** et al , Halsey R, Priftakis D, Mackenzie S, et al. COVID-19 in the act: incidental <sup>18</sup>F-FDG PET/CT findings in asymptomatic patients and those with symptoms not primarily correlated with COVID-19 during the United Kingdom coronavirus lockdown [published online ahead of print, 2020 Aug 5]. *Eur J Nucl Med Mol Imaging*. 2020;1-13.
6. Usmani S, Ahmed N, Marafi F, Al Kandari F, **Gnanasegaran G**, Van den Wyngaert T. <sup>18</sup>F-sodium fluoride bone PET-CT in symptomatic lumbosacral transitional vertebra. *Clin Radiol*. 2020 ;75(8):643.e1-643.e10.
7. **Gnanasegaran G**, Huang HL, Williams J, Bomanji J. Coronavirus Pandemic: What Nuclear Medicine Departments Should Know. *J Nucl Med Technol*. 2020 Jun;48(2):89-97

8. Meades R, **Gnanasegaran G**, McCool D. Radionuclide therapy services in an era of COVID-19: the radiation protection challenges, opportunities and considerations. *Nucl Med Commun*. 2021;42(1):1-2.
9. Huang HL, **Gnanasegaran G**, Paez D, et al. Nuclear medicine services after COVID-19: gearing up back to normality [published correction appears in *Eur J Nucl Med Mol Imaging*. 2020 May 27;:]. *Eur J Nucl Med Mol Imaging*. 2020;47(9):2048-2053.
10. Usmani S, Ahmed N, Muzaffar S, Marafi F, Esmail A, **Gnanasegaran G**, Van den Wyngaert T. Spectrum of false positive <sup>18</sup>F-sodium fluoride (NaF) bone PET/CT findings in Oncology imaging; A narrative pictorial review of cases from a single institution. *Hell J Nucl Med*. 2020 Jan-;23(1):67-75.
11. Skoura E, Priftakis D, Novruzov F, Caplin ME, **Gnanasegaran G**, Navalkissoor S, Bomanji J. The impact of Ga-68 DOTATATE PET/CT imaging on management of patients with paragangliomas. *Nucl Med Commun*. 2020 Feb;41(2):169-174
12. Diamantopoulos L, Laskaratos FM, Kalligeros M, Shah R, Navalkissoor S, **Gnanasegaran G**, Banks J, Smith J, Jacobs B, Galanopoulos M, Mandair D, Caplin M, Toumpanakis C. Antiproliferative Effect Of Above-Label Doses Of Somatostatin Analogs For The Management Of Gastroenteropancreatic Neuroendocrine Tumors. *Neuroendocrinology*. 2020 Jun 15.
13. Mirvis E, Toumpanakis C, Mandair D, **Gnanasegaran G**, Caplin M, Navalkissoor S. Efficacy and tolerability of peptide receptor radionuclide therapy (PRRT) in advanced metastatic bronchial neuroendocrine tumours (NETs). *Lung Cancer*. 2020 Dec;150:70-75.
14. Laskaratos, F. M., Armeni, E., Shah, H., Megapanou, M., Papantoniou, D., Hayes, A. R., Navalkissoor, S., **Gnanasegaran, G.**, von Stempel, C., Phillips, E., Furnace, M., Kamieniarz, L., Kousteni, M., Luong, T. V., Watkins, J., Mandair, D., Caplin, M., & Toumpanakis, C. (2020). Predictors of antiproliferative effect of lanreotide autogel in advanced gastroenteropancreatic neuroendocrine neoplasms. *Endocrine*, 67(1), 233–242.
15. D. Paez, G. **Gnanasegaran, S.** Fanti, J. Bomanji, M. Hacker, M. Sathekge, H. S. Bom, J. J. Cerci, A. Chiti, K. Herrmann, A. M. Scott, J. Czernin, N. El-Haj, E. Estrada, O. Pellet, P. Orellana, F.

- Giammarile, M. Abdel-Wahab COVID-19 pandemic: guidance for nuclear medicine departments Eur J Nucl Med Mol Imaging. 2020; 47(7): 1615–1619.
16. Hian Liang Huang, Rayjanah Allie, **Gopinath Gnanasegaran**, Jamshed Bomanji COVID19 –Nuclear Medicine Departments, be prepared! Nucl Med Commun. 2020 Apr; 41 (4): 297–299.
  17. Israel O, Pellet O, Biassoni L, De Palma D, Estrada-Lobato E, **Gnanasegaran G**, Kuwert T, la Fougère C, Mariani G, Massalha S, Paez D, Giammarile F. Two decades of SPECT/CT - the coming of age of a technology: An updated review of literature evidence. Eur J Nucl Med Mol Imaging. 2019 Sep;46(10):1990-2012.
  18. Vaz S, Usmani S, Gnanasegaran G, Van den Wyngaert T. Molecular imaging of bone metastases using bone targeted tracers. T.Q J Nucl Med Mol Imaging. 2019 Jun;63(2):112-128
  19. van der Bruggen W, Hirschmann MT, Strobel K, Kampen WU, Kuwert T, **Gnanasegaran G**, Van den Wyngaert T, Paycha F. SPECT/CT in the Postoperative Painful Knee. Semin Nucl Med. 2018 Sep;48(5):439-453.
  20. Kampen WU, Westphal F, Van den Wyngaert T, Strobel K, Kuwert T, Van der Bruggen W, **Gnanasegaran G**, Jens JH, Paycha. SPECT/CT in Postoperative Foot and Ankle Pain. Semin Nucl Med. 2018 Sep;48(5):454-468.
  21. Van den Wyngaert T, Paycha F, Strobel K, Kampen WU, Kuwert T, van der Bruggen W, **Gnanasegaran G**. SPECT/CT in Postoperative Painful Hip Arthroplasty. Semin Nucl Med. 2018 Sep;48(5):425-438.
  22. Giammarile F, Schilling C, **Gnanasegaran G**, Bal C, Oyen WJG, Rubello D, Schwarz T, Tartaglione G, Miller RN, Paez D, van Leeuwen FWB, Valdés Olmos RA, McGurk M, Delgado Bolton RC. The EANM practical guidelines for sentinel lymph node localisation in oral cavity squamous cell carcinoma. Eur J Nucl Med Mol Imaging. 2018
  23. Bartel TB, Kuruva M, **Gnanasegaran G**, Beheshti M, Cohen EJ, Weissman AF, Yarbrough TL. SNMMI Procedure Standard for Bone Scintigraphy 4.0. J Nucl Med Technol. 2018 Dec;46(4):398-404.

24. Usmani S, **Gnanasegaran G**, Marafi F, Esmail A, Ahmed N, Van den Wyngaert T. The clinical significance of incidental soft tissue uptake on whole body  $^{18}\text{F}$ -sodium fluoride bone PET-CT. Clin Radiol. 2018 Oct 16. pii: S0009-9260(18)30543-9.
25. Kampen WU, Westphal F, Van den Wyngaert T, Strobel K, Kuwert T, Van der Bruggen W, **Gnanasegaran G**, Jens JH, Paycha F. SPECT/CT in Postoperative Foot and Ankle Pain. Semin Nucl Med. 2018 Sep;48(5):454-468
26. van der Bruggen W, Hirschmann MT, Strobel K, Kampen WU, Kuwert T, **Gnanasegaran G**, Van den Wyngaert T, Paycha F. SPECT/CT in the Postoperative Painful Knee. Semin Nucl Med. 2018 Sep;48(5):439-453
27. Van den Wyngaert T, Paycha F, Strobel K, Kampen WU, Kuwert T, van der Bruggen W, **Gnanasegaran G**. SPECT/CT in Postoperative Painful Hip Arthroplasty. Semin Nucl Med. 2018 Sep;48(5):425-438
28. **Gnanasegaran G**, Paycha F, Strobel K, van der Bruggen W, Kampen WU, Kuwert T, Van den Wyngaert T. Bone SPECT/CT in Postoperative Spine. Semin Nucl Med. 2018 Sep;48(5):410-424
29. Strobel K, van der Bruggen W, Hug U, **Gnanasegaran G**, Kampen WU, Kuwert T, Paycha F, van den Wyngaert T. SPECT/CT in Postoperative Hand and Wrist Pain. Semin Nucl Med. 2018 Sep;48(5):396-409.
30. Al-Riyami K, Vöö S, **Gnanasegaran G**, Pressney I, Meir A, Casey A, Molloy S, Allibone J, Bomanji J. The role of bone SPECT/CT in patients with persistent or recurrent lumbar pain following lumbar spine stabilization surgery. Eur J Nucl Med Mol Imaging. 2018 Sep 6. doi: 10.1007/s00259-018-4141-x.
31. Pencharz D, **Gnanasegaran G**, Navalkissoor S. Theranostics in neuroendocrine tumours: somatostatin receptor imaging and therapy. Br J Radiol. 2018 Nov;91(1091):20180108
32. Usmani S, Van den Wyngaert T, Ahmed N, Marafi F, Esmail A, Al Kandari F, Al Nuaimi M, **Gnanasegaran G**. Technical feasibility, radiation dosimetry and clinical use of  $^{18}\text{F}$ -sodium fluoride (NaF) in evaluation of metastatic bone disease in pediatric population. Ann Nucl Med. 2018 Nov;32(9):594-601

33. Holden AM, Sharma D, Schilling C, **Gnanasegaran G**, Odell EW, Sassoon I, McGurk M. Biopsy of the sentinel lymph node in oral squamous cell carcinoma: analysis of error in 100 consecutive cases. *Br J Oral Maxillofac Surg*. 2018 Sep;56(7):615-620.
34. Lu SJ, Ul Hassan F, Vijayanathan S, **Gnanasegaran G**. Radionuclide bone SPECT/CT in the evaluation of knee pain: comparing two-phase bone scintigraphy, SPECT and SPECT/CT. *Br J Radiol*. 2018 Oct;91(1090):20180168. doi:
35. Mohan HK, Strobel K, van der Bruggen W, **Gnanasegaran G**, Kampen WU, Kuwert T, Van den Wyngaert T, Paycha F. The role of hybrid bone SPECT/CT imaging in the work-up of the limping patient: a symptom-based and joint-oriented review. *Eur J Hybrid Imaging*. 2018;2(1):8.
36. Mandegaran R, Agrawal K, Vijayanathan S, **Gnanasegaran G**. The value of <sup>99m</sup>Tc-MDP bone SPECT/CT in evaluation of patients with painful knee prosthesis. *Nucl Med Commun*. 2018 May;39(5):397-404
37. Usmani S, Sit C, **Gnanasegaran G**, den Wyngaert TV, Marafi F. Pictorial atlas of symptomatic accessory ossicles by <sup>18</sup>F-Sodium Fluoride (NaF) PET-CT. *Am J Nucl Med Mol Imaging*. 2017 20;7(6):275-282.
38. Al-Riyami K, **Gnanasegaran G**, Van den Wyngaert T, Bomanji J. Bone SPECT/CT in the postoperative spine: a focus on spinal fusion. *Eur J Nucl Med Mol Imaging*. 2017 ;44(12):2094-2104.
39. Paschali AN, **Gnanasegaran G**, Cook GJ. FDG PET-CT: Need for Vigilance in Patients Treated with Bleomycin; *Indian J Nucl Med*. 2017 Apr-Jun;32(2):122-124.
40. Van den Wyngaert T, Strobel K, Kampen WU, Kuwert T, van der Bruggen W, Mohan HK, **Gnanasegaran G**, Delgado-Bolton R, Weber WA, Beheshti M, Langsteger W, Giammarile F, Mottaghy FM, Paycha F; EANM Bone & Joint Committee and the Oncology Committee. The EANM practice guidelines for bone scintigraphy. *Eur J Nucl Med Mol Imaging*. 2016 ;43(9):1723-38.
41. **Gnanasegaran G**, Sit C, Chen R, Agrawal K, Fogelman I, Interesting Signs in Nuclear Medicine , *Semin Nucl Med*. 2015 ;45(6):560-90

42. Fatima N, Zaman Mu, **Gnanasegaran G**, Zaman U, Shahid W, Zaman A, Tahseen R. Hybrid Imaging in Oncology. *Asian Pac J Cancer Prev*. 2015;16(14):5599-605.
43. Agrawal K, Esmail AA, **Gnanasegaran G**, Navalkisoor S, Mittal BR, Fogelman I. Pitfalls and Limitations of Radionuclide Imaging in Endocrinology. *Semin Nucl Med*. 2015;45(5):440-57.
44. Agrawal K, Marafi F, **Gnanasegaran G**, Van der Wall H, Fogelman I. Pitfalls and Limitations of Radionuclide Planar and Hybrid Bone Imaging.
  - a. *Semin Nucl Med*. 2015;45(5):347-72.
45. Shur N, Corrigan A, Agrawal K, Desai A, **Gnanasegaran G**. Radiological and Radionuclide Imaging of Degenerative Disease of the Facet Joints. *Indian J Nucl Med*. 2015;30(3):191-8.
46. Sit C, Agrawal K, Fogelman I, **Gnanasegaran G**. Osteopetrosis: radiological & radionuclide imaging. *Indian J Nucl Med*. 2015;30(1):55-8.
47. Lukawska JJ, Livieratos L, Sawyer BM, Lee T, O'Doherty M, Blower PJ, Kofi M, Ballinger JR, Corrigan CJ, **Gnanasegaran G**, Sharif-Paghaleh E, Mullen Imaging Inflammation in Asthma: Real Time, Differential Tracking of Human Neutrophil and Eosinophil Migration in Allergen Challenged, Atopic Asthmatics in Vivo. *GE.EBioMedicine*. 2014 1(2-3):173-80.
48. Upadhyay B, Lu SJ, Navalkisoor S, **Gnanasegaran G**, Buscombe J. The imaging of neuroendocrine tumors using single photon emission computed tomography/computed tomography. *Q J Nucl Med Mol Imaging*. 2015;59(2):140-51.
49. Agrawal K, **Gnanasegaran G**. Painful knee prosthesis: is there a role for bone SPECT/CT? *Nucl Med Commun*. 2014 Jul;35(7):782-5.
50. **Gnanasegaran G**, Molecular imaging agents for SPECT (and SPECT/CT). Ballinger JR. *Eur J Nucl Med Mol Imaging*. 2014 ;41
51. Schilling C, **Gnanasegaran G**, McGurk M. Three-dimensional imaging and navigated sentinel node biopsy for primary parotid malignancy: new application in parotid cancer management. *Head Neck*. 2014 Sep;36(9):E91-3.

52. Xie C, **Gnanasegaran G**, Mohan H, Livieratos L. Assessment of Inter-modality Spatial Alignment Accuracy in Hybrid Single Photon Emission Computed Tomography in Patients with Hand and Wrist Pain. *World J Nucl Med*. 2013;12(3):87-93
53. Saha S, Burke C, Desai A, Vijayanathan S, **Gnanasegaran G**. SPECT-CT: applications in musculoskeletal radiology. *Br J Radiol*. 2013 ;86(1031)
54. Lukawska JJ, Livieratos L, Sawyer BM, Lee T, O'Doherty M, Blower PJ, Kofi M, Ballinger JR, Corrigan CJ, **Gnanasegaran G**, Sharif-Paghaleh E, Mullen GE. Real-time differential tracking of human neutrophil and eosinophil migration in vivo. *J Allergy Clin Immunol*. 2014;133(1):233-9.
55. Navalkisoor S, Nowosinska E, **Gnanasegaran G**, Buscombe JR. Single-photon emission computed tomography-computed tomography in imaging infection. *Nucl Med Commun*. 2013;34(4):283-90.
56. Lu SJ, Ul Hassan F, Vijayanathan S, Fogelman I, **Gnanasegaran G**. Value of SPECT/CT in the evaluation of knee pain. *Clin Nucl Med*. 2013 ;38(6):e258
57. Wagner T, Buscombe J, **Gnanasegaran G**, Navalkisoor S. SPECT/CT in sentinel node imaging. *Nucl Med Commun*. 2013 Mar;34(3):191-202.
58. Lu SJ, **Gnanasegaran G**, Buscombe J, Navalkisoor S. Single photon emission computed tomography/computed tomography in the evaluation of neuroendocrine tumours: a review of the literature. *Nucl Med Commun*. 2013;34(2):98-107
59. Chicklore S, **Gnanasegaran G**, Vijayanathan S, Fogelman I. Potential role of multislice SPECT/CT in impingement syndrome and soft-tissue pathology of the ankle and foot. *Nucl Med Commun*. 2013 ;34(2):130-9.
60. **Gnanasegaran G**, Vijayanathan S, Fogelman I. Diagnosis of infection in the diabetic foot using (18)F-FDG PET/CT: a sweet alternative? *Eur J Nucl Med Mol Imaging*. 2012 ;39(10):1525-7.
61. Nathan M, Mohan H, Vijayanathan S, Fogelman I, **Gnanasegaran G**. The role of 99mTc-diphosphonate bone SPECT/CT in the ankle and foot. *Nucl Med Commun*. 2012;33(8):799-807

62. Hassan FU, Enayat M, Mohammed F, Vijayanathan S, **Gnanasegaran G**. Heterotrophic Ossification in a Patient Suspected of Having Osteomyelitis: Additional Value of SPECT/CT. Clin Nucl Med. 2012 ;37(2):170-1.
63. Navalkissoor S, Szyszko T, Rankin S, **Gnanasegaran G**. Differential uptake of 18F-FDG in patients with synchronous lung cancers. Ann Nucl Med. 2011;25(4):299-302. 2011-14.
64. Hassan FU, Mohan HK, **Gnanasegaran G**, Vijayanathan S, Fogelman I. Beware of the focal uptake at the ischium on the bone scan in prostate cancer. Nucl Med Commun. 2011;32(4):320-3.
65. Livieratos L, Mohan H, **Gnanasegaran G**, Fogelman I Comparison of 10 versus 20 min SPECT 99mTc-MDP bone scans: use of 3D-OSEM image reconstruction with distance-dependent resolution modelling. Nucl Med Commun. 2010;31(12):1045-53.
66. Navalkissoor S, Szyszko T, Gnanasegaran G, Nunan T. Diffuse FDG renal uptake in lymphoma, Clin Nucl Med. 2010;35(10):813-5.
67. Trautner M, Szyszko T, **Gnanasegaran G**, Nunan T. Interesting image. Situs inversus totalis in newly diagnosed lymphoma: additional value of hybrid imaging: Clin Nucl Med. 2010 ;35(1):26-8
68. Helyar V, Mohan HK, Barwick T, Livieratos L, **Gnanasegaran G**, Clarke SE, Fogelman I The added value of multislice SPECT/CT in patients with equivocal bony metastasis from carcinoma of the prostate: Eur J Nucl Med Mol Imaging. 2010 ;37(4):706-13.
69. Cook GJ, **Gnanasegaran G**, Chua S. Miscellaneous indications in bone scintigraphy: metabolic bone diseases and malignant bone tumors Semin Nucl Med. 2010 ;40(1):52-61.
70. Mohan HK, **Gnanasegaran G**, Vijayanathan S, Fogelman I. SPECT/CT in imaging foot and ankle pathology-the demise of other coregistration techniques. Semin Nucl Med. 2010 ;40(1):41-51.
71. **Gnanasegaran G**, Chicklore S, Vijayanathan S, O'Doherty MJ, Fogelman I. Diabetes and bone: advantages and limitations of radiological, radionuclide and hybrid techniques in the



- assessment of diabetic foot. *Minerva Endocrinol.* 2009 Sep;34(3):237-54.
72. Chicklore S, Bashir H, Vijayanathan S, **Gnanasegaran G**. Tc-99m MDP bone scintigraphy in septic shock. *Clin Nucl Med.* 2009 ;34(11):834-5.
73. **Gnanasegaran G**, Barwick T, Adamson K, Mohan H, Sharp D, Fogelman I. Multislice SPECT/CT in benign and malignant bone disease: when the ordinary turns into the extraordinary. *Semin Nucl Med.* 2009;39(6):431-42.
74. Chua S, **Gnanasegaran G**, Cook GJ. Miscellaneous cancers (lung, thyroid, renal cancer, myeloma, and neuroendocrine tumors): role of SPECT and PET in imaging bone metastases. *Semin Nucl Med.* 2009 ;39(6):416-30.
75. **Gnanasegaran G**, Cook G, Adamson K, Fogelman I. Patterns, variants, artifacts, and pitfalls in conventional radionuclide bone imaging and SPECT/CT. *Semin Nucl Med.* 2009 ;39(6):380-95.
76. Vijayanathan S, Butt S, **Gnanasegaran G**, Groves AM. Advantages and limitations of imaging the musculoskeletal system by conventional radiological, radionuclide, and hybrid modalities. *Semin Nucl Med.* 2009 ;39(6):357-68.
77. **Gnanasegaran G**, Williams R, Mclean E, O'Connell R, Nunan TO, O'Doherty MJ. Lung mass appearing as a dilated left ventricle on Tc-99m tetrofosmin myocardial perfusion scintigraphy. *Clin Nucl Med.* 2009 ;34(9):620-1
78. Szyszko T, **Gnanasegaran G**, Barwick T, Breen R, Cane P, Rankin S. Respiratory papillomatosis of lung and F-18 FDG PET-CT. *Clin Nucl Med.* 2009 ;34(8):521-2
79. **Gnanasegaran G**, Barwick T, Milburn H, Vijayanathan S, Fogelman I. Tuberculosis of the spine on Tc-99m MDP bone scan: additional role of SPECT-CT. *Clin Nucl Med.* 2009 ;34(5):271-4
80. Quigley AM, **Gnanasegaran G**, Buscombe JR, Hilson AJ. Technetium-99m-labelled sulesomab (LeukoScan) in the evaluation of soft tissue infections. *Med Princ Pract.* 2008;17(6):447-52.

81. Breunung N, Barwick T, Fernando R, **Gnanasegaran G**, Vijayanathan S, Hosahalli M, Fogelman I. Additional benefit of SPECT-CT in investigating heel pain. Clin Nucl Med. 2008 ;33(10):705-6.
82. **Gnanasegaran G**, O'Doherty MJ. Imaging neuroendocrine tumours with radionuclide techniques. Minerva Endocrinol. 2008 ;33(2):105-26.
83. Mulholland NJ, **Gnanasegaran G**, Mohan HK, Vijayanathan S, Clarke SE, Fogelman I. Recognition of the femoroacetabular impingement syndrome on MDP SPECT CT. Clin Nucl Med. 2008 ;33(2):125-7
84. **Gnanasegaran G**, Blake GM, Crane FM, Dulnoan D, Clarke SE, Fogelman I. Facts and artefacts in bone densitometry, Current Medical Imaging Reviews, 2007;3(1), 67-75.
85. **Gnanasegaran G**, Moore AE, Blake GM, Vijayanathan S, Clarke SE, Fogelman I, Atypical Paget's disease with quantitative assessment of tracer kinetics. Clin Nucl Med. 2007; 32(10):765-9.
86. **Gnanasegaran G**, Buscombe JR, Davenport A, Hilson AJW, Myocardial perfusion scintigraphy combined with pharmacological exercise in patients with end stage renal disease on haemodialysis- Diagnostic and prognostic implications IJNM, 22(2&3) 2007
87. **Gnanasegaran G**, Fernando R, Buscombe JR. Role of Nuclear Cardiology in Patients with End Stage Renal Disease IJNM, 22(2&3) 2007
88. Quigley AM, Buscombe JR, Shah T, **Gnanasegaran G**, Roberts D, Caplin ME, Hilson AJ. Intertumoural Variability in Functional Imaging within Patients Suffering from Neuroendocrine Tumours. An Observational, Cross-Sectional Study. Neuroendocrinology. 2006;82:215-220
89. **Gnanasegaran G**, J R Buscombe, M Malcolm, A Rossiter, D McCool, A JW Hilson, Safety and tolerability of adenosine stress myocardial perfusion scintigraphy for the evaluation of coronary artery disease in elderly patients- A case control study World J NuclMed 2006; 5; 3-8

90. Ballinger JR, **Gnanasegaran G**. Radiolabelled leukocytes for imaging inflammation: how radiochemistry affects clinical use. *Q J Nucl Med Mol Imaging*. 2005, 49(4):308-18.
91. **Gnanasegaran G**, N Kapse, J R Buscombe, Recent Trends in Radionuclide Imaging and Targeted Radionuclide Therapy of Neuroendocrine Tumours, *IJNM*, 20(3): 55-66, 2005
92. **Gnanasegaran G**, Buscombe JR, Hilson AJW Use of Quantification in Cardiac Reporting: How does it change the clinical result? *World J Nucl Med* 2005; 4(4): 216-220
93. Blake GM, Gardiner N, **Gnanasegaran G**, Dizdarevic S. Reference ranges for <sup>51</sup>Cr-EDTA measurements of glomerular filtration rate in children. *Nucl Med Commun*. 2005; 26(11): 983-987.
94. **Gnanasegaran G**, J Croasdale, JR Buscombe Nuclear Medicine imaging of infection and inflammation - Part 3: Clinical application *World J Nucl Med* 2005; 4(2): 127-137
95. **Gnanasegaran G**, Buscombe JR, Can In-111 Pentetretotide Predict the Bio-distribution of Y-90 Lanreotide? *World J Nucl Med* 2005; 4(1): 261-265
96. A Ahmed, **G Gnanasegaran**, JR Buscombe, AJ W Hilson Bone Mineral Density at Multiple Skeletal Sites in Patients with Primary Hyperparathyroidism *World J Nucl Med* 2004; 3(4): 261-265
97. **G Gnanasegaran**, J Croasdale, JR Buscombe Nuclear Medicine imaging of infection and inflammation - Part 2: Clinical application *World J Nucl Med* 2004; 3(4): 290-299
98. **Gnanasegaran G**, Buscombe JR Nuclear Medicine in imaging infection and inflammation: Part1, Radiopharmaceuticals *World J Nucl Med* 2004; 3(2): 155-165
99. **G.Gopinath**, A. Ahmed, J.R.Buscombe, M.E.Caplin, J.C.Dickson, A.J.W.Hilson Prediction of clinical outcome in treated neuroendocrine tumours of carcinoid type using functional volumes on <sup>111</sup>In-pentetretotide SPECT Imaging *Nuclear medicine communications*; 2004, 25; 299-303
100. **G.Gopinath**, J.R.Buscombe Pharmacological stress agents in nuclear cardiology *World J Nucl Med* 2004; 4; 1: 64-72

101. **Gopinath G**, Buscombe JR, Naojee SA, Croasdale J, Johnson G, Hilson AJW 3-minute versus 6-minute adenosine infusion in myocardial perfusion scintigraphy World J Nucl Med 2003; 2; 3:206-210
102. Shankar K. Dey, **Gopinath Gnanasegaran**, John R. Buscombe Radiolabeled somatostatin analogues in imaging and therapy of neuroendocrine tumours. BJNM, Vol. 6, No. 2,2003; page 108-112.
103. **Gnanasegaran G**, Buscombe JR Neuroendocrine Tumours - Part One: The role of Nuclear Medicine in Imaging Neuroendocrine TumoursWorld J Nucl Med 2003; 2; 3; 232-240
104. **Gnanasegaran G**, Buscombe J R Neuroendocrine Tumours - Part Two: The role of Nuclear Medicine in the treatment of neuroendocrine tumours World J Nucl Med 2003; 2; 4: 314-323
105. Shanker K Dey, **Gopinath Gnanasegaran**, J.R.Buscombe Results of dual isotope ventilation (V) and perfusion (Q) lung scintigraphy in 136 patients and advantages/disadvantages of commonly used ventilation tracers BJNM, 2002; 5(2) 43-48
106. Krishna BA, Kirtane MV, Sangeeta T, **Gopinath G** Pre and Post betahistine therapy 99mTc-HMPAO brain SPECT studies in patients with vertigo Neurol India. 2000; 48 (3): 255-9

**ABSTRACTS:**

More than 160 (will be provided on request)

## **BOOK CHAPTERS**

1. G Gnanasegaran, Cook GJ: Nuclear Medicine imaging Techniques of Musculoskeletal system 381-430 in Clinical Nuclear Medicine 2<sup>nd</sup> ed Ahmadzadehfar H et al. Springer 2020
2. G Gnanasegaran and J Ballinger Nuclear Medicine Section in Oxford Handbook of Clinical and Laboratory Investigation 4th eds, by Drew Provan Oxford University Press 2018.
3. Ballinger J and Gnanasegaran G 18F-FDG and Non FDG PET Radiopharmaceuticals in Clinicians Guides to Radionuclide Hybrid Imaging PET-CT, PET-CT in Oesophageal cancer, Szyszko T. Springer 2016 ;43-48
4. Navalkisoor S, Wagner T, Gnanasegaran G et al 18F-FDG imaging - patient instructions and preparation. in Clinicians Guides to Radionuclide Hybrid Imaging PET-CT, PET-CT in Oesophageal cancer, Szyszko T. Springer 2016; 49-54
5. Gnanasegaran G et al 18F-FDG imaging -normal variants, pitfalls and artefacts . In Clinicians Guides to Radionuclide Hybrid Imaging PET-CT, PET-CT in Oesophageal cancer, Szyszko T. Springer 2016; 55-78
6. Malavika Nathan, Gopinath Gnanasegaran, Kathryn Adamson, and Ignac Fogelman Bone Scintigraphy: Patterns, Variants, Limitations and Artefacts. 377. In Fogelman et al Radionuclide and Hybrid Bone Imaging Springer, ISBN978-3-642-02399-6
7. Fahim Ul Hassan, Malavika Nathan, Gopinath Gnanasegaran, and Ignac Fogelman Soft Tissue Uptake in Radionuclide Bone Scintigraphy .409 In Fogelman et al Radionuclide and Hybrid Bone Imaging Springer, ISBN978-3-642-02399-6
8. Gary J.R. Cook, Gopinath Gnanasegaran, and Sue C. Chua Bone Scintigraphy in Metabolic Bone Disease 435 In Fogelman et al Radionuclide and Hybrid Bone Imaging Springer, ISBN978-3-642-02399-6
9. 4. Gopinath Gnanasegaran, Peter Jackson, Bo Povlsen, Sanjay Vijayanathan, and Ignac Fogelman Wrist Registration: Conventional Radionuclide and SPECT/CT Imaging .609 In Fogelman et al Radionuclide and Hybrid Bone Imaging Springer, ISBN978-3-642-02399-6

10. Sue S.C. Chua, Gopinath Gnanasegaran, and Gary J.R. Cook Lung, Thyroid, Renal Cancer, Myeloma and Neuroendocrine Cancers: Role of Planar, SPECT and PET in Imaging Bone Metastases. 691 In Fogelman et al Radionuclide and Hybrid Bone Imaging Springer, ISBN978-3-642-02399-6
11. Suat-Jin Lu, Gopinath Gnanasegaran, Ignac Fogelman, and Gary J.R. Cook Conventional Nuclear Medicine and Hybrid Imaging in Monitoring the Treatment of Skeletal Malignancy . 717 In Fogelman et al Radionuclide and Hybrid Bone Imaging Springer, ISBN978-3-642-02399-6
12. Tara Barwick, Gopinath Gnanasegaran, and Ignac Fogelman Potential Applications and Limitations of SPECT-CT in Classifying Bone Lesions in Patients with Cancer 735 In Fogelman et al Radionuclide and Hybrid Bone Imaging Springer, ISBN978-3-642-02399-6
13. Gary J.R. Cook, Gopinath Gnanasegaran, and Sue S.C. Chua Primary Bone and Soft Tissue Tumours: Role of 18FDG PET 777 In Fogelman et al Radionuclide and Hybrid Bone Imaging Springer, ISBN978-3-642-02399-6
14. Gary J. R. Cook Gopinath Gnanasegaran, , Ignac Fogelman, Radionuclide Scintigraphy in Metabolic Bone Disease. Primer on the Metabolic Bone Diseases and Disorders of Mineral Metabolism, 2011. American Society for Bone and Mineral Research
15. Gopinath Gnanasegaran, Gary J. R. Cook, Ignac Fogelman, Radionuclide Scintigraphy in Metabolic Bone Disease. Primer on the Metabolic Bone Diseases and Disorders of Mineral Metabolism, 2009. American Society for Bone and Mineral Research
16. Gopinath Gnanasegaran, Gary Cook, Sanjay Vijayanathan, Ignac Fogelman, Bone and soft tissue tumours Advances in Nuclear Oncology: Diagnosis and therapy- E Bombardieri et al. (Eds)
17. Gopinath Gnanasegaran, Gary Cook, Ignac Fogelman Musculoskeletal system Nuclear Medicine Concise, Biersack, Freeman (Eds)
18. John R Buscombe, Gopinath Gnanasegaran GI : Neuroendocrine tumours (Published). Clinical Nuclear Medicine 4th edition -Cook, Maisey, Britton & Chengazi

19. Jamshed Bomanji, Gopinath Gnanasegaran; Neuroendocrine tumours  
Radiotherapy in practice: radioisotope therapy, P Hoskins et al. (Eds) Oxford University Press
- 20.15. Gopinath Gnanasegaran, Mark K. J. Duncan, John Buscombe The Heart: Anatomy, physiology and exercise Physiology Integrating Cardiology for Nuclear Medicine Physicians, A Movahed et al; Springer's
21. Jeanette Sundberg-Cohon, Nivedita Gauthaman, Gopinath Gnanasegaran, Margaret Hall, Clinical Assessment/Evaluation of Cardiovascular disease  
Integrating Cardiology for Nuclear Medicine Physicians, A Movahed et al; Springer's
22. Gopinath Gnanasegaran, Gregory Shabo, John R Buscombe Biochemical markers in cardiovascular disease. Integrating Cardiology for Nuclear Medicine Physicians, A Movahed et al; Springer's
23. Humayun Bashir, Gopinath Gnanasegaran, John Buscombe, ECG & Stress ECG). Integrating Cardiology for Nuclear Medicine Physicians, A Movahed et al; Springer's
24. Gopinath Gnanasegaran, Jilly Croasdale, John Buscombe Planar and SPECT Radiopharmaceuticals in Nuclear Cardiology: status and limitations Integrating Cardiology for Nuclear Medicine Physicians, A Movahed et al; Springer's
25. Gopinath Gnanasegaran, John R Buscombe-UK, Pharmacological stress myocardial perfusion imaging: Current status and limitations , Integrating Cardiology for Nuclear Medicine Physicians, A Movahed et al; Springer's
26. Gopinath Gnanasegaran, Ann-Marie Quigley, John.R. Buscombe Scintimammography - Nuclear Medicine breast cancer imaging (Published), Recent Research Developments in Radiology, Vol.1 (2003) ISBN: 81-7895-074-X.
27. Gopinath Gnanasegaran, Ann-Marie Quigley, John R Buscombe Nuclear Oncology and Neuroendocrine tumours (Published) Recent Research Developments in Radiology, Vol.1 (2003) ISBN: 81-7895-074-X.

## **NATIONAL & INTERNATIONAL GUIDELINES**

Co-authored European Association of Nuclear Medicine Bone Scintigraphy Guidelines (2015- 2016), [www.eanm.org](http://www.eanm.org)

Co-authored Society of Nuclear Medicine Bone Scintigraphy Guidelines, [snm.org](http://snm.org)

Co-authored European Association of Nuclear Medicine Guidelines on Sentinel node imaging in oral cancers; [eanm.org](http://eanm.org)

## **COMMITTEES**

- a. Member of European Association of Nuclear Medicine (EANM) oncology and therapy committee [2018 till date]
- b. Chair: Nuclear Medicine and Molecular Imaging Committee British Institute of Radiology (BIR) [2013-2016]
- c. Chair - Education Committee: British Nuclear Medicine Society, UK [2013-2016]
- d. Scientific Committee Vice-chair: British Nuclear Medicine Society, UK [2013-2016]
- e. Member of European Association of Nuclear Medicine (EANM) Bone & Joint committee [2013-2018]
- f. Director- World Theranostics Academy, WARMTH [2014-till date]
- g. Executive member, World Association of Radiopharmaceutical & Molecular Therapy [2012-2016]
- h. Co-Chair South Thames Regional Nuclear Medicine Group [2010-2013]

## **EDITORIAL BORAD:**

1. European Journal of Nuclear Medicine and Molecular imaging
2. European Journal of Hybrid imaging
3. Indian Journal of Nuclear Medicine
4. Editorial board World Journal of Nuclear Medicine



## **TEACHING**

- a. MSc- Nuclear Medicine; KCL; London  
Clinical module lead, MSc- Nuclear Medicine; KCL;(2011-2012) &  
renal module lead (2009-2013)
- b. BSc- Imaging Sciences, KCL, London
- c. MSc -Rheumatology, Kings College London, London University,  
London
- d. MedEng MSc - Ionizing Radiation Imaging module, London University
- e. Clinical Supervisor for Nuclear Medicine MSc Postgraduate  
students, KCL, London University
- f. SSM- Medical students, KCL
- g. Royal Free London Nuclear Medicine Academy 2017

## **RESEARCH SUPERVISOR**

### **I have supervised the following students for their MSc degrees Projects in Nuclear medicine**

1. Dr Satish Panchadhar 2009
2. Dr Rasha Al-Hussaini 2010
3. Dr Sugama Chicklore 2011
4. Dr Korina Karamagkioli 2012

## **AUDITS**

Department audit lead (GSTT 2007-2014).

- Transfer of Image from Nuclear Medicine work-station to PACS:  
30/6/2011
- Potential role of <sup>99m</sup>Tc-MDP Bone SPECT/CT in Localization,  
Diagnosis and Treatment of patients with wrist pain 13/11/2012
- Incremental value of Bone SPECT-CT in assessment of painful  
knee prostheses: 30/5/2014
- Additional value of Bone SPECT-CT in assessment of painful hip  
prostheses 9/6/2014
- V/Q SPECT & Pulmonary embolism: 27/4/2015

## **COURSES & MEETINGS ORGANISED**

1. Nuclear Cardiology uptake BIR with ASNC June 2021
2. PSMA masterclass: 2020 UCL and Royal Free Hospital
3. PRRT master class: Royal Free 2018, 2019
4. Theranostics update 2019
5. Theranostics BIR Course 2018

6. Bone SPECT-CT session at the SNM (2019), USA
7. Musculoskeletal section: World federation of nuclear medicine and biology, Melbourne, Australia 2018
8. Meeting on Prostate Cancer with British Institute of Radiology 2018
9. Annual London Nuclear Medicine Update for Technologists 2017, 2018, 2019
10. Bone SPECT-CT session at the SNM (2017) Denver, USA
11. International Co-ordinator for the 1st Annual PET/CT & PET/MRI Congress Of West Asia (2017)
12. 6<sup>th</sup> Annual SPECT/CT symposium 2017, BIR
13. Technologist course Royal Free Hospital, 2016
14. Organized Bone SPECT-CT session SNM San Diego, USA 2016
15. 5<sup>th</sup> Annual SPECT/CT symposium 2016, BIR
16. 4<sup>th</sup> Annual SPECT/CT symposium 2015, BIR
17. Organized 1 day hybrid imaging session at UKRC 2015
18. British Nuclear Medicine Society Annual Congress (Vice chairman) 2015
19. Hybrid imaging Symposium: 2 day teaching program in Bangladesh 2015
20. Hybrid imaging Symposium: 5 day teaching program in Kuwait 2014
21. Organised 1 day nuclear medicine & hybrid imaging session at UKRC 2014
22. British Nuclear Medicine Society Annual Congress (Vice chairman) 2014
23. Indo-European Nuclear Medicine Teaching, Mumbai, India, 2013, 2015
24. 3<sup>rd</sup> Annual SPECT/CT symposium 2013, BIR
25. Radiosynovectomy update – South Thames Group 2013
26. 2<sup>nd</sup> Annual SPECT/CT symposium 2013, BIR
27. British Nuclear Medicine Society Annual Congress (Vice chairman) 2013
28. SPECT/CT symposium 2012, BIR

#### **WEBINARS:**

Developed 18 PET-CT webinars for British Institute of Radiology. Currently developing Theragnostic and SPECT-CT webinars

## **REFERENCES**

### **Professor Jamshed Bomanji MBBS, MSc, PhD, FRCR, FRCP**

Head of Clinical Department, Institute of Nuclear Medicine, 5th Floor,  
UCLH NHS Foundation Trust. 235 Euston Road, London NW1 2BU  
Tel: ++44 20 3447 0528. Fax:++44 20 3447 0596 ;  
Email: [jamshed.bomanji@nhs.net](mailto:jamshed.bomanji@nhs.net)

### **Prof Gary Cook MD FRCP FRCR**

Head of Oncology imaging Consultant in Nuclear Medicine & PET  
Imaging, Kings College London. Guy's & St Thomas's Foundation Trust,  
London, United Kingdom Phone +44 (0) 20718  
84087  
Fax +44 (0) 20 7928 5634; E-mail: [gary.cook@kcl.ac.uk](mailto:gary.cook@kcl.ac.uk)

### **Dr Sanjay Vijayanathan MRCP, FRCR**

Consultant in Musculoskeletal Radiology  
Guy's & St Thomas' NHS Foundation Trust; London, United Kingdom  
Phone +44(0)7930314167  
E-mail: [sanjay.vijayanathan@gstt.nhs.uk](mailto:sanjay.vijayanathan@gstt.nhs.uk)

**GOPINATH GNANASEGARAN  
LONDON 2021**