



Name: Babak Fallahi

Academic rank: Professor

Department: Nuclear Medicine

Service location(s)/ hospital(s): Faculty of medicine/Dr. Shariati hospital

Field of activity: Diagnostic and therapeutic nuclear medicine

Education: MD, Board of nuclear medicine

Experience :

Medical Services:

Experience of eighteen years practice in the field of diagnostic and therapeutic nuclear medicine including the procedures by SPECT, SPECT-CT, PET-CT and Radionuclide treatments (Sm-153, I-131, I-131-MIBG, Lu-177, Rhenium-188,)

Academic Services:

1. Developing a Digital Real-time Log-book for Residents in Department of Nuclear Medicine, Tehran University of Medical Sciences
Status: Completed.
2. Evaluation of the requisites of nuclear medicine education on the basis of educators' opinion
Status: Completed.
3. Developing the standards, education program and regulations for discipline of Nuclear Medicine under the supervision of Council
Status: Completed.
4. Establishment of the "Innovation and development in Medical Education Grants" (IDMEG) Program in Tehran University of Medical Sciences, Status: Completed

5. Development of a New Curriculum for Residency Program of Nuclear Medicine.
6. Developing curriculum and starting continuous and discontinuous BS degree in the field of nuclear medical technology.

Memberships:

- 1) Board of nuclear medicine (Ministry of health and medical education, Iran)
- 2) European association of nuclear medicine
- 3) Iranian society of nuclear medicine
- 4) Iranian medical council
- 5) Executive and scientific committees of several congresses in different Universities of Medical sciences
- 6) Health economy committee of Dr. Shariati Hospital (until 2017)
- 7) Member of the clinical governance committee of Dr. Shariati Hospital (until 2015)
- 8) Nuclear medicine committee for residents yearly promotion, Tehran University of Medical Sciences
- 9) Member of research council, Research center for nuclear medicine, Tehran University of Medical Sciences, Tehran, Iran
- 10) Strategic programming committee for nuclear medicine, Iranian Council for Graduate Medical Education, Ministry of Health and Medical Education, Tehran, Iran

Publications:

1. **B Fallahi**, N Khademi, N Karamzade-Ziarati, et al. ^{99m}Tc -PSMA SPECT/CT versus ^{68}Ga -PSMA PET/CT in the evaluation of metastatic prostate cancer, *Clinical Nuclear Medicine* 46 (2), 2021.
2. B Saidi, **B Fallahi***, A Abdi, N Rakhshani, M Eftekhari. FDG PET/CT of an Advanced Case of Malignant Nerve Sheath Tumor of Pleura. *Clinical Nuclear Medicine*, 2021
3. B Moasses-Ghafari, **B Fallahi**, AF Esfehani, et al. Effect of Diet on Physiologic Bowel ^{18}F -FDG Uptake. *Journal of Nuclear Medicine Technology* 49 (3), 241-245, 2021.
4. A Fard-Esfahani, B Saidi, A Emami-Ardekani, **B Fallahi**, et al. Adrenal lesions: Common findings and pitfalls on ^{18}F -FDG PET/CT, *Iranian Journal of Nuclear Medicine* 29 (2), 97-103; 2021.
5. S Harsini, **B Fallahi**, NK Ziarati, et al. A Prospective Study on ^{68}Ga -PSMA PET/CT Imaging in Newly Diagnosed Intermediate-and High-Risk Prostate Cancer, *Asia Oceania Journal of Nuclear Medicine and Biology* 9 (2), 101 1, 2021.
6. B Saidi, **B Fallahi***, F Haghighi, et al. Three-phase ^{99m}Tc -MDP bone scan in a case of pigment villonodular synovitis, *Iranian Journal of Nuclear Medicine* 29 (1), 41-44; 2021.
7. B Saidi, **B Fallahi***, M Eftekhari, et al. Colon carcinoma metastases with extension to chest wall and pericardium. *Iranian Journal of Nuclear Medicine* 29 (1), 23-27; 2021.
8. Vida Ehyaeeghodraty, Behnam Molavi, Mohsen Nikbakht, Ashraf Malek Mohammadi, Saeed Mohammadi, Navid Ehyaeeghodraty, **Babak Fallahi**, et al. Effects of mobilized peripheral blood stem cells on treatment of primary lower extremity lymphedema. *Journal of Vascular Surgery: Venous and Lymphatic Disorders* 8 (3), 445-451 2, 2020.
9. N Forouzanmehr, M Nili-Ahmadabadi, H Abdous, **B Fallahi**. On the free volumes of severely deformed pure Fe and Cu, similari-ties and differences, *Metallurgical Engineering* 23 (1), 4-15; 2020.

10. B Saidi, **B Fallahi**, M Eftekhari, M Ghorbani, A Fard-Esfahani. The role of FDG PET/CT in the evaluation of treatment response in a case of calcified ovarian metastases. *Asia Oceania Journal of Nuclear Medicine and Biology* 8 (2), 145, 2020.
11. Armaghan Fard-Esfahani, Mohammad Reza Valipouri, Sara Harsini, Davood Beiki, Alireza Emami-Ardekani, **Babak Fallahi**, Mohammad Eftekhari. Predictors of success of the ablative/therapeutic radioiodine (131I) in differentiated thyroid cancer. *Iranian Journal of Nuclear Medicine* 28 (1), 14-20, 2020.
12. Pezhman Shahrokhi, Alireza Emami-Ardekani, Sara Harsini, Mohammad Eftekhari, Armaghan Fard-Esfahani, **Babak Fallahi**, Najme Karamzade Ziarati¹, Mehdi Akhlaghi, et al. 68Ga-DOTATATE PET/CT compared with 131I-MIBG SPECT/CT in the evaluation of neural crest tumors. *Asia Oceania Journal of Nuclear Medicine and Biology* 8 (1), 8, 5, 2020.
13. A Hassanzadeh-Rad, H Amini, M Eftekhari, **B Fallahi**, A Fard-Esfahani, et al. Association Between F-18-FDG PET/CT Findings and Bone Mineral Densitometry Results. *EUROPEAN JOURNAL OF NUCLEAR MEDICINE AND MOLECULAR IMAGING* 46 (SUPPL 1) 2019.
14. L Saleki, P Ghafarian, A Bitarafan-Rajabi, N Yaghoobi, B Fallahi, MR Ay. The influence of misregistration between CT and SPECT images on the accuracy of CT-based attenuation correction of cardiac SPECT/CT imaging: Phantom and clinical studies. *Iranian Journal of Nuclear Medicine* 27 (2), 63-72, 2, 2019.
15. A Fard-Esfahani, D Beiki, S Harsini, A Emami-Ardekani, B Fallahi, et al. Absent radiotracer uptake in thyroid gland in parathyroid scintigraphy with ^{99m}Tc-MIBI: A case report. *Iranian Journal of Nuclear Medicine* 27 (2), 142-145, 2019.
16. B Fallahi, R Manafi-Farid, M Eftekhari, A Fard-Esfahani, et al. Diagnostic efficiency of 68Ga-DOTATATE PET/CT as compared to 99mTc-Octreotide SPECT/CT and conventional morphologic modalities in neuroendocrine tumors. *Asia Oceania Journal of Nuclear Medicine and Biology* 7 (2), 129, 16, 2019.
17. R Manafi-Farid, N Ayati, M Eftekhari, B Fallahi, F Masoumi. A rare presentation of colorectal cancer with unusual progressive intramuscular and subcutaneous metastatic spread. *Asia Oceania Journal of Nuclear Medicine and Biology* 7 (1), 89 (2), 2019.
18. Eftekhari Mohammad, Abbasi Mehrshad, Tarafdari Azam, Emami-Ardekani Alireza, Farzanefar Saeed; Kalantari Faraz, ; Fallahi Babak, et al. Automated interpretation of myocardial perfusion images with multilayer perceptron network as a decision support system. *Journal of Medical Imaging and Health Informatics* 8 (9), 1844-1849, 2018.
19. N Firouzi, P Geramifar, M Rostami, P Sattari, B Fallahi, M Eftekhari. Added Value Of Combined Visual And Quantitative Analysis For Localizing Epileptic Regions With FDG PET Imaging. *EUROPEAN JOURNAL OF NUCLEAR MEDICINE AND MOLECULAR IMAGING* 45, S139-S139, 2018.
20. Saeed Farzanefar, Rahman Etemadi, Mohammad Shirkhoda, Habibollah Mahmoodzadeh, Mostafa Erfani, Babak Fallahi, et al. The Value of Technetium-99m Labeled Alpha-Melanocyte-Stimulating Hormone (^{99m}Tc- α -MSH) in Diagnosis of Primary and Metastatic Lesions of Malignant Melanoma. *Asia Ocean J Nucl Med Biol* ; 6(2):155-160, 2018.
21. N Firouzi, P Geramifar, AA Parach, MS Rostami, B Fallahi, M Eftekhari. Clinical Implications Of PET Image Reconstruction Parameters On Quantitative Assessment Of Epileptogenic Sites In 18F-FDG Brain PET Study, EANM'18, 2018.
22. B Fallahi, D Beiki, Y Salehi, A Emami-Ardekani, A Fard-Esfahani, et al. Benefits of combined pharmacologic and submaximal exercise stress on sub-diaphragmatic activity in myocardial perfusion scintigraphy, *Iranian Journal of Nuclear Medicine* 26 (2), 105-111, 2018.
23. A Emami-Ardekani, A Mirzabeigi, A Fard-Esfahani, B Fallahi, D Beiki, et al. Comparing diagnostic performance of 131I-metaiodobenzylguanidine (131I-MIBG) and ^{99m}Tc-

hydrazinonicotinyl-Tyr3-Octreotide (99mTc-HYNIC-TOC) in diagnosis and localization of Iranian Journal of Nuclear Medicine 26 (2), 68-75, 2018.

24. M Ghadimi, MA Shafia, MS Pishvae, B Fallahi. A System Dynamics Model for Inventory Decisions in Radionuclide Generators. JOURNAL OF NUCLEAR SCIENCE AND TECHNOLOGY 85, 28-43, 2018.
25. Hojjat Ahmadzadehfar, Kamran Aryana , Elahe Pirayesh, Saeed Farzanehfar, Majid Assadi, Babak Fallahi, et al. The Iranian Society of Nuclear Medicine practical guideline on radioligand therapy in metastatic castration-resistant prostate cancer using ¹⁷⁷Lu-PSMA. Iranian Journal of Nuclear Medicine 26 (1), 2-8 15, 2018
26. A Hassanzadeh-Rad, F Farsiabi, M Eftekhari, A Fard-Esfahani, B Fallahi, et al. Association Between Gastric FDG Uptake in PET-CT and ¹⁴C UBT Results in Patients Referred for Non-Gastric Cancer PET-CT Studies. EANM'17, 2017.
27. S Izadyar, S Farzanehfar, M Ranji Amjad, M Abbasi, A Emami Ardekani, B Fallahi, et al. Association of Ischemic Heart Disease Assessed by Radionuclide Myocardial Perfusion Imaging with Bone Mineral Density Measurements by Dual-Energy X-Ray Absorptiometry and Serum Vitamin D Deficiency. Iranian Journal of Radiology, 14(2).
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31. B Fallahi, A Fard-Esfahani, A Emami-Ardekani, S Sahari, D Beiki. How to manage patients with undetectable thyroglobulin but thyroid residue after radioiodine ablative therapy in differentiated thyroid carcinoma, retreatment or observation? Iranian Journal of Nuclear Medicine 25 (1), 51-59, 2017.
32. B Fallahi, D Beiki, Y Salehi, A Emami-Ardekani, A Fard-Esfahani, et al. Reverse perfusion pattern in myocardial perfusion imaging using technetium-99m-sestamibi in patients with intermediate risk for coronary artery disease in relation to the time Nuclear medicine communications 38 (1), 15-20 2, 2017.
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34. A Hassanzadeh-Rad, M Eftekhari, A Kafshgar, A Fard-Esfahani, B Fallahi, et al. Association between FDG-PET/CT Findings and Tumor Markers in Patients with Colorectal Carcinoma. EUROPEAN JOURNAL OF NUCLEAR MEDICINE AND MOLECULAR IMAGING 43, S280-S280, 2016.
35. B Fallahi, BM Ghaffari, D Beiki, A Fard-Esfahani, M Eftekhari. Factors Influencing the Pattern and Intensity of Myocardial FDG Uptake in Oncologic PET-CT Imaging, EANM'16 , 2016.
36. A Fard-Esfahani, A Emami-Ardekani, A Mirzabeigi, B Fallahi, et al. Comparison of sensitivity and specificity of Tc-99m octreotide and I-131 MIBG scintigraphies in diagnosis and localization of pheochromocytoma and neuroblastoma. EANM'16, 2016.

37. SK Razavi Ratki, **B Fallahi***, N Namiranian, et al. Factors affecting the quality of life of well-differentiated thyroid carcinoma patients: A cross-sectional study on 435 Iranian patients. *Iranian Journal of Nuclear Medicine* 24 (2), 92-98 8 2016.
38. Sanaz Katal, Arman Hassanzadeh-Rad, Mohammad Eftekhari, Armaghan Fard-Esfahani, Davood Beiki, Babak Fallahi, et al. Two-day stress-rest lower limbs perfusion scan in patients referred for myocardial perfusion imaging. *Iranian Journal of Nuclear Medicine* 24 (2), 121-129 2, 2016.
39. Armaghan Fard-Esfahani, Mehraneh Marzban, Alireza Emami-Ardekani,
40. Arman Hassanzadeh-Rad, Babak Fallahi, et al. Spinal cord metastasis from testicular seminoma detected by F-18 FDG PET/CT study prior to neurological symptoms: An unusual presentation. *Iranian Journal of Nuclear Medicine* 24 (2), 147-149, 2016.
41. H Siadat, M Arshad, HA Mahgoli, B Fallahi. Microleakage Evaluation at Implant-Abutment Interface Using Radiotracer Technique. *Journal of Dentistry* 13 (3), 176 3, 2016.
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- comparison of high-dose therapy for thyroid cancer and low-dose therapy for benign thyroid disease. Fard-Esfahani, A., Fallahi, B., Karimi, M., ...Ansari, M., Eftekhari, M. *Iranian Journal of Nuclear Medicine*, 2015, 23(1), pp. 1–7.
55. Accuracy of modification of diet for renal disease and Cockcroft-Gault equations as compared to the radioisotope double sample method: A study in patients with acute renal failure
56. Emami-Ardekani, A., Fallahi, B., Amini, M., ...Eftekhari, M., Saghari, M. *Iranian Journal of Nuclear Medicine*, 2014, 22(1), pp. 23–28.
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- Fallahi, B., ...Sadeghian, L., Emami-Ardekani, A. *Hellenic Journal of Nuclear Medicine*, 2012, 15(2).
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Authors: Fard-Esfahani A., Fallahi B., Saghari M., Eftekhari M., Beiki D
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7. مقایسه ارزش تشخیصی اسکن پرفیوژن میوکارد به روش SPECT با تست ورزش در تشخیص بیماران مراجعه کننده با

آنژین صدری

Authors: ارمغان فرد، بابک فلاحي، محسن ساغري، محمد افتخاري، داود بيكي

مجله پزشکی هسته ای ایران، 1386، Vol.15, No.27, Year.

8. بررسی شیوع افزایش جذب رادیوداروی ^{99m}Tc -MIBI در دیواره معده در اسکن پرفیوژن میوکارد و ارتباط آن با علائم

دیسهپی

Authors: داود بيكي، علي غلامرضانژاد، سحر ميرپور، بابک فلاحي، محسن ساغري، محمد افتخاري، ارمغان فرد اصفهاني،

هادي حاجي محمدي

مجله دانشگاه علوم پزشکی مازندران، 1385، Vol.16, No.56, Year.

9. تعیین میزان توافق نتایج اسکن ^{99m}Tc -RBC در تشخیص همانژیوم کبدی به دو روش اسپکت و پلانار

Authors: ارمغان فرد، بابک فلاحي، کاوه خاتمي، محمد افتخاري، محسن ساغري، داود بيكي، کیانوش انصاري گیلانی، عباس

تکاور

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Authors: کیانوش انصاري گیلانی، ژامک مدرسي اسفه، بابک فلاحي، مریم شهیدزاده ماهانی

مجله پزشکی هسته ای ایران، 1385، Vol.14, No.26, Year.

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Authors: ارمغان فرد، فریبا اخصري، حسین میرشکارپور، محسن ساغري، محمد افتخاري، سینا ایزدیار، جواد اسماعیلی،

بابک فلاحي، داود بيكي، عباس تکاور

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Authors: ارمغان فرد، مجید اسدي، محسن ساغري، محمد افتخاري، بابک فلاحي، داود بيكي، سعید اکبر پور، مرضیه محمدیان

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Authors: محمد افتخاري، محسن ساغري، محمد هادي نوراني، ارمغان فرد، داود بيكي، بابک فلاحي

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Authors: ارمغان فرد، فرشاد امامي، محمد افتخاري، محسن ساغري، بابک فلاحي، داود بيكي، عباس تکاور

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Authors: محمد افتخاري، مجید اسدي، ارمغان فرد، داود بيكي، بابک فلاحي.

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Authors: محمد افتخاري، رامین صادقي، ارمغان فرد، داود بيكي، بابک فلاحي، محسن ساغري

مجله پزشکی هسته ای ایران، 1382، No.21, Year.

17. ارزش اسکن تمام بدن با ^{99m}Tc -MIBI در تشخیص ضایعات فعال از غیر فعال در مبتلایان به میلوم متعدد

Authors: محسن ساغري، بابک فلاحي، محمد افتخاري، مسعود ایرواني، سینا ایزدیار، جواد اسماعیلی، داود بيكي، ارمغان

فرد

مجله پزشکی هسته ای ایران، 1382، Vol.12, No.21, Year.

18. مقایسه نتایج دو روش درمان با 131 ابا دوز ثابت 5 میلی کوری و دوز ثابت 10 میلی کوری در درمان بیماری گریوز

(بیمارستان شریعتی، 80-1378)

Authors: ارمغان فرد اصفهاني، وحيدرضا دباغ كاخكي، محمد افتخاري، بهنام زرباگ، محسن ساغري، بابك فلاحي سيچاني.
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از آرتفكت

Authors: محسن ساغري، محمد تقوي قاسم آبادي، ارمغان فرد اصفهاني، بابك فلاحي، محمد افتخاري
مجله پزشكي هسته اي ايران، 1381، Year. 1381، No.19،
20. بررسي تاثير درمان با يد راديواكتيو بر روي عملكرد غدد بزاقی در بيماران با سرطان تمايز يافته تيروئيد

Authors: ارمغان فرد، رضا علمايي، محمد افتخاري، محسن ساغري، بابك فلاحي، داود بيكي.
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بیمارستان دكتر شريعتي از سال 1360 تا 1377

Authors: ارمغان فرد اصفهاني، حميد رضا آقا يوسفی، محمد افتخاري، بابك فلاحي، محسن ساغري
مجله پزشكي هسته اي ايران، 1380، Year. 1380، Vol.16،
22. مقايسه نتايج اسكن قبل و بعد از درمان با يد راديواكتيو (I-131) در 94 بيمار ميتلا به سرطان افتراق يافته تيروئيد.

Authors: ارمغان فرد اصفهاني، عليرضا رضايي ارجرودي، محمد افتخاري، بابك فلاحي سيچاني، محسن ساغري.
مجله پزشكي هسته اي ايران، 1380، Year. 1380،

Languages : Persian, English

Awards & honors :

1. 51st Annual Meeting of the American Rhinologic Society, Los Angeles, California, USA
(American Rhinology Society)
2. The best research proposal Isfahan university of medical sciences, 1997.
3. 2nd Festival of Research in Iranian Universities of Medical Sciences (Isfahan University of
Medical Sciences)