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Academic Address:

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- **Date of birth:** 25 april1951

Academic and Official Appointment :

- Medical Officer of Iranian Offshore Oil Company, Persian Gulf **1978-1981**
- Head of Nuclear Medicine Department of Rajai Cardiovascular Center since 1984
- Director of Nuclear Medicine Department of Iran University of Medical sciences
- Member of Nuclear Medicine Specialty Board Exam since 1995
- Evaluation Secretary of Nuclear Medicine Board Committee

- Associate Professor of Nuclear Medicine (since 2007); Rajaie's Cardiovascular Medical and Research Center, Iran University of Medical Sciences, Tehran, Iran.
- Assistant Professor of Nuclear Medicine (1984-2007); Rajaie's Cardiovascular Medical and Research Center, Iran University of Medical Sciences, Tehran, Iran.
- Member of Iranian Society of Nuclear Medicine (Since 1995)
- Member of the American Society of Nuclear Medicine since 1984
- Member of European Society of Nuclear medicine since 1984
- Member of Iranian cardiovascular society since 1987

Qualification:

- National Board of Nuclear Medicine, Iran, August 1984
- Nuclear Medicine residency: 1981-1983; Tehran University of Medical Sciences, Tehran, Iran & Kanazawa University, Japan

Field of Interest:

- Nuclear Cardiology

Presentations and publications:

1) Abstract:

1. Affecting parameters on count density changes in perfusion tomographic imaging with Sestamibi labeled with 99mTc (Review). F. Farjandi, H. Malek, N. Yaghoobi, F. Rastgoo, **S.H. Firouz abadi**, A. Arabpour. Iranian Journal of Nuclear Medicine 2006;14(Suppl 1) :

2. Energy Window Setting for Optimum TI-201 Cardiac Imaging. Faraz Kalantari, Hossein Rajabi, Nahid Yaghoobi, Ahmad Bitarafan, Kouros Ebrahim Nejad Gorji, Feridoon Rastgoo, Hadi Malek, **Seyed Hassan Firouzabadi**. Iranian Journal of Nuclear Medicine 2006;14(Suppl 1) : 23
3. Respiratory motion influence on ECG-gated SPET: a simulation study. Ahmad Bitarafan-Rajabi, Hossein Rajabi, Feridoon Rastgoo, **Hasan Firoozabady**, Nahid Yaghoobi, Hadi Malek, Hassan Moladoust, World Congress on Medical Physics and Biomedical Engineering 2009- Munich
4. Development of a respiratory motion detecting system for respiratory-cardiac gated SPECT, A Bitarafan-Rajabi, H Rajabi, B Gruy, F Rustgou, A A Sharafi, **H Firoozabady**, N Yaghoobi, H Malek, W Langesteger, M Beheshti,; 11th Iranian Annual Congress of Nuclear Medicine; 15-17 Nov, 2007
5. Compensation of cross contamination in simultaneous 201TI / 99mTc myocardial perfusion SPECT, F. Kalantari, H.Rajabi, N.Yaghoobi, A.Bitarafan, M Mohammad Alipour, F.Rastgoo, H.Malek, **S.H.Firoozabadi**.; 11th Iranian Annual Congress of Nuclear Medicine; 15-17 Nov, 2007
6. Energy Calibration using a single radioactive source, N Jabbari, H. Rajabi , **H. Firouzabadi**, F. Rastgou, N. Yagoobi, A. Bitarafan-Rajabi, B Hashemi Malayeri;; The sixth Iranian congress of medical physics 11-13 may 2004
7. Comparison of acceptance tests for SPECT system in Iran, A. Bitarafan-Rajabi, H. Rajabi, **H. Firouzabadi** F. Rastgou, N. Yagoobi, M Amoui and G Raziee ;; The sixth Iranian congress of medical physics 11-13 may 2004
8. Effects of reconstruction methods and filtration on LVEF in the ECG- Gated SPECT in the comparison with echocardiography and angiography, A.Bitarafan-Rajabi, H. Rajabi ,F. Rustgou , M. Mokhtari, S. Hekmat, N. Yaghoobi, **H. Firouzabady**;; The sixth Iranian congress of medical physics 11-13 may 2004
9. Quantitative pulmonary scintigraphy for evaluation of congenital anomalies of the heart and great vessels, N. Yagoobi, F. Rastgou, S. Seifollahi.asl,**H. Firouzabady**,M. Malek, A. Bitarafan-Rajabi, Savadkahi and Shahmohammadi;; Ninth Iranian congress of nuclear medicine 10-12 Dec 2005
10. Comparison of Regional Cerebral Blood Flow (r-CBF) after Listening to Prayers in Three Groups of Subjects with Different Degrees of Religiosity, N. Yagoobi, F. Rastgou, S. Seifollahi.asl,**H. Firouzabady**,M. Malek, A. Bitarafan-Rajabi,; Ninth Iranian congress of nuclear medicine 10-12 Dec 2005
11. Comparison and evaluation of Regional Cerebral Blood Flow (r-CBF) using brain-SPECT with cognitive tests in MCI patients, S. Seifollahi.asl, M.Bigdeli, F. Rastgou, N. Yagoobi, , **H. Firouzabady**,M. Malek, A. Bitarafan-Rajabi,; Ninth Iranian congress of nuclear medicine 10-12 Dec 2005
12. Measurement of LVEF using ECG-Gated SPECT, Echocardiography and Angiography: a Correlation Study.A. Bitarafan-Rajabi, H. Rajabi, F.Rastgou MD, N. Yaghoobi, H. **Firouzabady MD**, Hekmat S, Baghaie R, Mohebi A, Bassiri H, 14th congress of IRANIAN HEART ASSOCIATION, 2004
13. Assessment of Transient Dilatation of the Left Ventricle During Single Photon Emmission Computed Tomography (stress and rest scan) and Comparison with Angiographic Results, Seifollahi Asl S., **Firoozabadi H.**, Rastgou F., Yaghoobi N., Hekmat S., 13th congress of Iranian Heart Association, 2002
14. Assessment of Efficiency of ECG-gated Tc-MIBI SPECT in Evaluation of Myocardial Viability, Hekmat S, Rastgou F., Yaghoobi N., **Firoozabadi H.**, Seifollahi Asl S.,, 13th congress of Iranian Heart Association, 2002

;) Articles:

1. Measurement of LVEF using ECG-Gated SPECT and Angiography: a Correlation Study. **H. Firouzabady MD**,A. Bitarafan-Rajabi, H. Rajabi, F.Rastgou MD,F. Noohi MD, A. Mohebbi MD, A.R. Tilekoo, N. Yaghoobi and H. Malek. IRANIAN HEART JOURNAL (IHJ) Fall 2007; 8(3):6-15
2. Energy window setting for optimum TI-201 cardiac imaging. Kalantari F., Rajabi H., Yaghoobi N., Bitarafan A., Gorji K.E.N., Rastgoo F., Malek H., **Firuzabadi S.H.** Iranian Journal of Nuclear Medicine 2007 15 (28), pp. 60+15-24
3. Respiratory Motion Detection and Correction in ECG-Gated SPECT: a New Approach. Ahmad Bitarafan, PhD, Hossein Rajabi, PhD, Bernhard Gruy, MS, Feridoon Rastgoo, MD, Ali Akbar Sharafi, PhD, **Hasan Firoozabady, MD**, Nahid Yaghoobi, MD, Hadi Malek, MD, Christian Pirich, MD, Werner Langesteger, MD, Mohsen Beheshti, MD. Korean J Radiol 2008;9:490-497
4. Correlation of automatic processing method in myocardial perfusion SPET with the interactive method. Hadi Malek, Ahmad Bitarafan-Rajabi, Feridoon Rastgoo, Nahid Yaghoobi, **Hasan Firoozabadi**. Hell J Nucl Med. 2009 Jan-Apr;12(1):10-2.
5. Respiratory Motion Influence on ECG-Gated SPET: A Simulation Study. Ahmad Bitarafan-Rajabi, Hossein Rajabi, Feridoon Rastgoo, **Hasan Firoozabady**, Nahid Yaghoobi, Hadi Malek and Hassan Moladoust. IFMBE Proceedings, 2010, Volume 25/4, 2174-2177
6. Gated SPECT cardiac wall motion assessment by using different reconstructive methods and filters in comparison with quantitative coronary angiography, A. Arabpour, F. Rastgoo, D. Shahbazi, N. Yaghoobi, **S.H. Firouzabadi**, H. Malek, A. Bitarafan.; Iranian Journal of Nuclear Medicine; 14(Suppl 1): 6-7; 2006.
7. Gated SPECT cardiac ejection fraction assessment by using different reconstructive methods and filters in comparison with quantitative coronary angiography, A. Arabpour, F. Rastgoo, D. Shahbazi, N. Yaghoobi, **S.H. Firouzabadi**, H. Malek, A. Bitarafan.; Iranian Journal of Nuclear Medicine; 14(Suppl 1): 5-6; 2006

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8. Filter selection for ^{99m}Tc -sestamibi myocardial perfusion SPECT imaging; Iranian, A. Bitarafan-Rajabi, H. Rajabi, N. Yagoobi, **H. Firouzabadi** F. Rastgou ; journal of nuclear medicine;19: 41-50-2003
 9. Calculation of $\text{Tc}^{99\text{m}}$ –DTPA transit time in normal kidney; Iranian journal of nuclear medicine, H. Rajabi, B Shalchian, N. Yagoobi, A. Bitarafan-Rajabi, F. Rastgou, **H. Firouzabadi**; 20: 41-48:2003
 10. Appropriate energy window width for gamma camera, N Jabbari, H. Rajabi , **H. Firouzabadi**, F. Rastgou, N. Yagoobi, A. Bitarafan-Rajabi; B Hashemi Malayeri;; Iranian journal of nuclear medicine; 21: 41-48;2004
 11. Comparison of acceptance tests for SPECT system in Tehran, A. Bitarafan-Rajabi, H. Rajabi, **H. Firouzabadi** F. Rastgou, N. Yagoobi, M Amoui and G Raziee;; Iranian journal of nuclear medicine;13(24): 31-37-2005.
 12. Feasibility of using statistical tests in evaluation of non-uniformity, S Rasaneh, H. Rajabi , F. Rastgou , E Hajizadeh, A. Bitarafan-Rajabi, N. Yagoobi , **H. Firouzabadi** ;; Iranian journal of nuclear medicine;13(24): 15-24-2005
 13. Determination of the Optimum Filter Function for $\text{Tc}^{99\text{m}}$ - Sastamibi Myocardial Perfusion SPECT Imaging, H. Rajabi, A.Bitarafan-Rajabi, N. Yaghoobi, **H. Firouzabady**,F. Rustgou; Indian journal of Nuclear Medicine; 20(3): 5-10; 2005

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