

# Farshid Gheisari, M.D.

Email: fgheisari@gmail.com

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## PROFILE

Board-certified nuclear medicine physician with over twenty-two years of experience. I recently did a nuclear medicine fellowship at the University of Toronto. Now working as a faculty member of nuclear medicine at the Shiraz University of Medical Sciences, and I am responsible for two associated nuclear medicine departments.

## SKILL HIGHLIGHTS

Nuclear Oncology  
Radiation Protection  
Pediatric Nuclear  
Medicine  
imaging  
medicine

PET/CT imaging  
Nuclear Medicine Therapies  
IT & Network Engineer  
Microsoft Office  
HRpQCT  
Artificial Intelligence

## EXPERIENCE

IRAN MEDICAL SCHOOL HOSPITALS, Tehran, Iran

1999 - 2000

### Internship

Completed the rotating internship with rotations in surgery, obstetrics/gynecology, emergency medicine, psychiatry, internal medicine, pediatrics, dermatology, and otolaryngology continuity clinics

SHARIATI HOSPITAL, Tehran, Iran

2000-2003

### Resident-Nuclear Medicine

I completed elective rotations in the radiology and internal medicine departments. Over 2000 nuclear cardiology, around 10000 bone scans, and many other radionuclide studies in different organs were conducted and received additional training in advanced cardiac life support (ACLS) and methodological aspects of research projects. I voted Most Outstanding Resident.

TEHRAN MEDICAL SCHOOL, Tehran, Iran

2003- 2005

### Assistant Professor of Nuclear Medicine

Manage all operations and medical services of the nuclear medicine department of Imam hospitals. Vice-president of the nuclear medicine department.

SHIRAZ UNIVERSITY OF MEDICAL SCIENCES, Shiraz, Iran

2005- 2021

### Assistant Professor of Nuclear Medicine

**Farshid Gheisari, M.D.**

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Manage operations and medical services for nuclear medicine departments at three associated hospitals in Shiraz (Namazi, Alzahra, and Kowsar hospitals. Director of Alzahra nuclear medicine department).

SHIRAZ UNIVERSITY OF MEDICAL SCIENCES, Shiraz, Iran **2012- 2020**

**Program Director of the Nuclear Medicine Department**

In charge of recruiting physicians to enroll as nuclear medicine residents, the department has a 100% acceptance rate to the National Board of Nuclear Medicine to date.

SHIRAZ UNIVERSITY OF MEDICAL SCIENCES, Shiraz, Iran **2015 - 2021**

**Member, Research Centre of Nuclear Medicine and Molecular Imaging**

Defining new research projects for new residents as well as assisting and supervising the ongoing projects.

SHIRAZ UNIVERSITY OF MEDICAL SCIENCES, Shiraz, Iran **2016 - 2021**

**Chair of Tele-Medicine Department**

Responsible for setting up the Tele-cardiology, Tele-visit, and Tele-consultation systems.

SHIRAZ UNIVERSITY OF MEDICAL SCIENCES, Shiraz, Iran **2020- 2021**

**Chair of Nuclear Medicine Department**

Khatam ol anbia Hospital, Tehran, IRAN **2020-2021**

**PET consultant**

UNIVERSITY OF TORONTO, Toronto, Canada **2021-2022**

**Pediatric Nuclear Medicine Clinical Fellowship****LICENSURE**

Licensed Physician, Iran	<b>2000</b>
Board Certified - Iranian Academy of Nuclear Medicine Physicians, Iran	<b>2003</b>
The College of Physicians and Surgeons of Ontario	<b>2021</b>
Licentiate of the Medical Council of Canada	<b>2023</b>
Board eligible from the Royal College of Physicians and Surgeons of Canada	<b>2023</b>
Dubai Health Authority (DHA) license	<b>2024</b>

**EDUCATION**

IRAN UNIVERSITY OF MEDICAL SCIENCES, Tehran, Iran **1993- 2000**  
**Doctorate, Medicine**

TEHRAN UNIVERSITY OF MEDICAL SCIENCES, Tehran, Iran **2000- 2003**  
**Nuclear Medicine Specialty**

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TEHRAN UNIVERSITY OF MEDICAL SCIENCES, Tehran, Iran <b>Fellowship of Medical Education</b>	<b>2004</b>
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UNIVERSITY OF ALBERTA, Edmonton, Alberta <b>Observer and researcher, Nuclear Medicine</b>	<b>2013- 2014</b>
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UNIVERSITY OF ALBERTA, Edmonton, Alberta <b>Researcher, Nuclear Medicine</b>	<b>2016</b>
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UNIVERSITY OF NEW ENGLAND, USA <b>Master student of Public Health</b>	<b>2017</b>
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UNIVERSITY OF NATURAL HEALTH, Indianapolis, USA <b>Ph.D. student of natural medicine Master student of nutrition therapy</b>	<b>2019</b>
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UNIVERSITY OF TORONTO, Toronto, Canada <b>Pediatric Nuclear Medicine Fellowship</b>	<b>2021</b>
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### **Scientific and Academic Activities**

**Editorial board member of the Journal of Contrast Media & Molecular Imaging (CMMI)**

**Editorial board member of the Journal of Medical & Clinical Case Studies (JMCCSt)**

**Editorial board member of the Journal of Case Reports and Reviews**

**Editorial board member of the International Journal of Medical Imaging journal**

## RESEARCH & PUBLICATIONS

1- Ghasemi S, **Gheisari F**, Eshaghian A, Chehrei A. DETECTION OF EFFECTIVE ETIOLOGIES ON RESPONSE TO NONSURGICAL TREATMENT OF LUNG ABSCESS: A CASE CONTROL STUDY. RJMS. 2001; 8 (23):57-61.

2- **Gheisari F**, Eftekhari M, Beigi D, Comparative study of Renal function with TC 99- MAG3 and TC99 –EC J of Nuc Med 2007,48,125.

3- Assadi M, Ebrahimi A, **Gheisari F**, A simple way to distinguish bed clothing contamination in whole body bone scan a case report, J Med case reports 2007 DEC 5,1,173

4- Foroutan, H.R., Hosseini, A.H., Dehghani, S.M., Banani, S.A., Bahador, A., Haghighat, M., Imanieh, M.H., Jalli, R., **Gheisari, F**. Peri-operative high-dose v post-operative low dose steroid therapy in the management of biliary atresia: A preliminary report(2008) Iranian Journal of Medical Sciences, 33 (2), pp. 79-83.

5- Beiki, D, Eftekhari, M, Fallahi, B., **Gheisari, F**, Hozhabrosadati, M., Fard-Esfahani, A., Takavar, A., Gholamrezanezhad, A., Saghari, M., Ansari Gilani, K., Comparative scintigraphic study of renal function with<sup>99m</sup>Tc- Mercapto-cetyl-triglycine and<sup>99m</sup>Tc-Ethylenedicysteine (2008) Daru, 16 (1), pp. 41-46

6-Imanieh MH, Dehghani M, Emad V, Haghighat M, Zahmatkesh M, Forotan HR, Rasekhi AR, **Gheisari F**, Triangular cord sign in detection of biliary atresia, is it a valuable sign? Dig Dis Sci 2009 FEB 20

7- Handjani, F, Shahbaz, S., Aslani, F.S., **Gheisari, F**, Mozaffarian, K., Kasraee, B. Porokeratosis of mibelli with mutilation: A case report (2010) Cutis, 86 (2), pp. 77-80

8- **Gheisari F**- Pishdad GR - Emami M- Behdad K - Karimpour A- Sharifian M, The effect of methimazole on thyroid gland uptake of technetium in hyperthyroid patients GMJ. 2012;1(1): 8-12

- 9- Alavi M, **Gheisari F**, Haghighatafshar M, Okhovat MA, Rezaei P, Totonchi A, Atefi M  
Novel mineral-based gauze for better wound healing, Iranian South Medical Journal (in Persian)  
2014; 17(3): 290-297
- 10- Haghighatafshar M, Rezaie P, Atefi M, **Gheisari F**, Okhovat MA,  
Design of a Novel Shield of Nuclear Medicine with New Alloy, Physical Science International  
Journal 7(1): 28-32, 2015, Article No. PSIJ.2015.055
- 11- **Gheisari, F.**, Haghighi, R.S., Okhovat, M.A., Atefi, M.A comprehensive review of the artifact due  
to compression of the right ventricle on the inferior and lateral walls of the heart (2015). Research  
Journal of Medical Sciences, 9 (5), pp. 291-295.
- 12- Haghighatafshar M, **Gheisari F**, Ghaedian T, Importance of Heparin Provocation and  
SPECT/CT in Detecting Obscure Gastrointestinal Bleeding  
On TC 99-RBC Scintigraphy, Medicine Volume 94, Number 34, August 2015
- 13- Entezarmahdi SM, Kamali-asl A, Haghighatafshar M, **Gheisari F**, Assessing the effect of the  
amount of injected 99mTC-MIBI on the calculated cardiac volume in the myocardial Gated-SPECT,  
A clinical survey  
EUROPEAN JOURNAL OF NUCLEAR MEDICINE AND MOLECULAR IMAGING 42, S351-S352
- 14- **Gheisari, F.**, Hekmati, P., Zare, H., Nasiri, Z., Ahangar, A.K., Atefi, M.  
The effect of barium swallowing on the reduction of artifacts of the inferior wall of the  
myocardium (2016) Research Journal of Medical Sciences, 10 (1), pp. 6-9.
- 15- Salahshour, S., **Gheisari, F.** Comparing the radiation adaptation in the rat after receiving a  
lethal dose of toxic permethrin feeding (2016) Journal of Global Pharma Technology, 8 (2), pp.  
41-47
- 16- Haghighatafshar, M., Banani, A., **Gheisari, F.**, Alikhani, M. Impact of sweating on equivalent  
Dose of patients treated with 131Iodine (2016) Indian Journal of Nuclear Medicine, 31 (3), pp.  
172-175.
- 17- **Gheisari F**, Raofi A, Atefi M, Mohseni F, Rostami L, Emami M, Movahedpor A, Age, and Gender  
Association with Changes in Blood Cells Count After Radioiodine Therapy, Pharmacophore, 8(2)  
2017, Pages: 32-38

18- **Gheisari F**, Eyni SM, Atefi M, Rostami L, kavehahangar A, Fluctuations in thyroid and parathyroid hormones and serum calcium in male rats treated simultaneously with radioiodine and nonionizing radiation. Journal of Advanced Pharmacy 2019 vol 9 s4

19- Mortazavi AR, Faraz M, Laalpour S, Kaveh Ahangar A, Eslami J, Zarei S, Mortazavi G, **Gheisari F**, Mortazavi MJ, Exposure to Blue Light Emitted from Smartphones in an Environment with Dim Light at Night Alters the Reaction Time of University Students, Shiraz E-Medical Journal: 20 (10); e88230, Published Online: June 9, 2019

20- Akbarialiabad H, Hesami S, Zahrayi AH, Vafabin M, **Gheisari F**, Cardiac Perfusion Scan in Patients with Chronic Renal Failure and Liver Cirrhosis in the Nuclear Medicine Ward of Namazi Hospital in 2019, Journal of Radiology and Medical Imaging, Published Online: Jul 23, 2020

21- Keshavarz, K., Jafari, M., Lotfi, F., Bastani, P., Salesi, M., **Gheisari, F.**, & Rezaei Hemami, M. (2020). Positron Emission Mammography (PEM) in the diagnosis of breast cancer: A systematic review and economic evaluation. Medical Journal of the Islamic Republic of Iran, 34, 100. <https://doi.org/10.34171/mjiri.34.100>

22- **Gheisari F**, Emami M, Raeisi Shahraki H, Samipour S, Nematollahi P, The Role of Gender in the Importance of Risk Factors for Coronary Artery Disease, Cardiology Research and Practice Volume 2020, Article ID 6527820, 6 pages <https://doi.org/10.1155/2020/6527820>

23- Sanghera, K. P., **Gheisari, F.**, Koumna, S., Riauka, T., Hudson, E., Gabos, Z., ... & Joseph, K. (2020). 47: Five-Year Longitudinal Analysis of Myocardial Perfusion Scintigraphy Post Radiotherapy Using Single-Photon Emission Computed Tomography (Spect) Prospective Comparison of Long-Term Cardiac Function of Patients Participated in a Phase Iii Randomized Study of Breast Conserving Surgery and Radiotherapy. Radiotherapy and Oncology, 150, S23-S24.

24- Akbarialiabad H, Hesami S, Zahrayi S A, Vafabin M, **Gheisari F**. Study of Common Artifacts of Myocardial Perfusion Scan in Patients with Chronic Renal Failure and Liver Cirrhosis in Nuclear Medicine Ward of Namazi Hospital in 2019. J Radiol Med Imaging. 2020; 3(1); 1032.

25- **Gheisari F**, Atefi M, Masoumirad A, Synergic Effect of TC99-m Gamma Radiation and Non-ionizing Radiation of Wi-Fi on Count, Morphology, and Motility of Sperms in Rats: An Experimental Study, Iran South Med J 2020, 23(4): 280-291.

26- Sanghera, K.P., **Gheisari, F.**, Koumna, S., Riauka, T., Hudson, E., Gabos, Z., Chafe, S.M., Tankel, K., Abdulkarim, B., Parliament, M.B., & Joseph, K. (2020). 5 Year Longitudinal Analysis of

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Myocardial Perfusion SPECT Scans. Prospective Comparison of Long-Term Cardiac Function of Patients Participating in a Phase III Randomized Study of Breast Conserving Surgery and Radiotherapy. International Journal of Radiation Oncology Biology Physics, 108.

27- **Gheisari F**, Atefi M, Mehdizadeh AR, Mohammadi A, Shabani Z, Shahabinezhad A, Amiri-Ardekani E, Senna Tablet Increases Radiation Dose Excreted at Discharge Time in Patients Who Underwent Iodine Therapy, Preprint. DOI: 10.21203/rs.3.rs-794199/v1.

28- **Gheisari F**, Shafiee M, Abbasi M, Jangjou A, Izadpanah P, Vaez A, Amani AM. Janus nanoparticles: an efficient intelligent modern nanostructure for eradicating cancer. Drug Metab Rev. 2021 Nov;53(4):592-603. doi: 10.1080/03602532.2021.1878530. Epub 2021 Feb 9. PMID: 33561356.

29- Bar-Sever Z, Shammass A, **Gheisari F**, Vali R. Pediatric Nephro-Urology: Overview and Updates in Diuretic Renal Scans and Renal Cortical Scintigraphy. Semin Nucl Med. 2022 Jan 11:S0001-2998(21)00103-3. doi: 10.1053/j.semnuclmed.2021.12.002. Epub ahead of print. PMID: 35031115.

30- Abraham A, Sanghera KP, **Gheisari F**, Koumna S, Riauka T, Ghosh S, Warkentin H, Gabos Z, Chafe S, Tankel K, Huang F, Sabri S, Paterson DI, Abdulkarim B, Joseph K. Is Radiation-Induced Cardiac Toxicity Reversible? Prospective Evaluation of Patients with Breast Cancer Enrolled in Phase 3 Randomized Controlled Trial. Int J Radiat Oncol Biol Phys. 2022 Jan 25: S0360-3016(22)00065-7. doi: 10.1016/j.ijrobp.2022.01.020. Epub ahead of print. PMID: 35085715.

31- Amani, A.M., Alami, A., Shafiee, M., **Gheisari F.**, et al. A highly sensitive electrochemical Biosensor for dopamine and uric acid in the presence of a high concentration of ascorbic acid. Chem. Pap. 76, 1653–1664 (2022). <https://doi.org/10.1007/s11696-021-01929-9>.

32- **Gheisari F**, Akbari K, Schweighofer-Zwink G, Beheshti A, Al-Busaidi A, Shammass A, Vali R, Die Rolle der [18F]FDG PET/CT bei pädiatrischen Lymphomen, Angewandte Nuklearmedizin 2022; 45(01): 35-46 DOI: 10.1055/a-1666-2511

33- **Gheisari F**, kavehasngar A, Bamdad K, Atefi M, Assessment of changes in AFP, Homocysteine and MDA after taking radioiodine JBPE {in press}

34- **Gheisari F**, Rostami L., et al. I, A survey on the synergistic effect of EMFs and medical ionizing on the level of thyroid Hormones. International Journal of Pharmaceutical Research, In press

35- **Gheisari F**- Atefi M- Eftekhari M- Beigi M - Morovati M, Comparison of MAG3 and EC in renal scan Journal of Animal and Veterinary Advances ISI, In press

36- **Gheisari F**, Rostami L, Kamali Moghadam K, Atefi M, Varavipour S, Khosrofar H\*, Nasiri Z, Examining the Synergistic Effects of Ionizing and Non-ionizing Radiation on Testosterone, LH, and FSH Hormones in Rats GMJ. In press

37- Poudineh M, Ghotbi T, Azizi F, Karami N, Zolfaghari Z, **Gheisari F**, Poudineh S, Neuropharmaceutical Properties of Naringin Against Alzheimer's and Parkinson's Diseases, A Narrative Review on Literature, Galen Medical Journal, In print.

38- Movahedi, M. M., Karimaghaei, G. R., Noori, A., Atefi, M., Mahmoudi, T., & **Gheisari, F.** (2022). Changes in Serum Alkaline Phosphatase, Calcium, and Parathyroid Hormone with Different Doses of Iodine Therapy. Galen Medical Journal, 11, e2397. <https://doi.org/10.31661/gmj.v11i.2397>

39- Gupta N, Vali R, Shammass A, **Gheisari F**, Sebbald C, Chami R, Pope E, Abba O, Naqvi A. Subcutaneous panniculitis-like T-cell lymphoma of the breast in an adolescent female: An uncommon presentation. Pediatr Blood Cancer. 2023 Jan 11: e30202. Doi: 10.1002/pbc.30202. Epub ahead of print. PMID: 36628942.

40- Mortazavi, S.; Nowroozi, S.; Haghani, M.; Zarrini-Monfared, Z.; **Gheisari, F.**; Sihver, L. Probiotic Bacteria Cannot Mitigate the Adverse Effects of Radioactive Iodine-131 Treatment. Cancers 2023, 15(3), 740; <https://doi.org/10.3390/cancers15030740>. <https://www.mdpi.com/2072-6694/15/3/740>.

41- **Farshid Gheisari**, Seyed Reza Kasaee, Pardis Mohamadian, et al. Bromelain-Loaded Silver Nanoparticles: Formulation, Characterization and Biological Activity, 2024, Pre-print, DOI: 10.2139/ssrn.4584067.

42- **GHEISARI, Farshid**; VALI, Reza. Advancements in Molecular Imaging for the Diagnosis and Management of Hepatocellular Carcinoma. Medical Research Archives, [S.l.], v. 12, n. 3, mar. 2024. ISSN 2375-1924. Available at: <<https://esmed.org/MRA/mra/article/view/5212>>. Date accessed: 22 apr. 2024. doi: <https://doi.org/10.18103/mra.v12i3.5212>.

43- **Gheisari F**, et al. (2024). Revolutionizing Diagnostic Precision: Emerging Trends and Innovations in Theranostics for Nuclear Medicine. Mathews J Case Rep. 9(2):155.



44- **Gheisari F.** (2024). Nuclear Medicine's Integral Role in the Dynamic Landscape of Infectious Diseases. *Mathews J Cardiol.* 8(1):35.

45- Movahedi MM, Arianfar H, Atefi M, Tavakoli Golpaygani A, **Gheisari F**, Mahmoudi T. Investigation Myocardial Perfusion Scan Parameters and Walls Motion in Patients undergoing Cardiac Surgery. *J Biomed Phys Eng.* 2024 Dec 1;14(6):561-568. doi: 10.31661/jbpe.v0i0.2211-1557. PMID: 39726883; PMCID: PMC11668931.

46- Piltan, M. S., Esmlami-Kalantari, M., Shafaei, M. A., & **Gheisari, F.** (2024). Correlation of <sup>99m</sup>Tc[Tc]-MIBI washout kinetics with breast cancer histologic grade and ki-67 index. *Iranian Journal of Nuclear Medicine*, (), -. doi: 10.22034/irjnm.2024.129576.1618.

47- **Gheisari, F**, Kamali, M. , Liyaghat, M. , Atefi, M. and Motamedi, A. (2025). Optimizing Myocardial Perfusion Scan Quality with SPECT: A Hybrid Systematic Narrative Review. *Journal of Reviews in Medical Sciences*, 5(1), 1-11. doi: 10.22034/jrms.2025.498154.1036

48- **Gheisari, F**, Shariat, M. , Kamali, M. , Barzin, P. , Atefi, M. and Liyaghat, M. (2025). Integrating FDG-PET/CT, Radiomics, and AI in the Differentiation of Inflammatory and Tumoral Lesions: A Systematic Narrative Review. *Journal of Reviews in Medical Sciences*, 5(1), 1-10. doi: 10.22034/jrms.2025.498189.1037.

49- **Gheisari, F** , Dehghani, M. and Kamali, M. (2025). Misinterpretation of [<sup>99m</sup>Tc] Tc-Octreotide scan due to accessory spleen in a patient with well-differentiated neuroendocrine tumor: A case report. *Iranian Journal of Nuclear Medicine*, (), 1-5. doi: 10.22034/irjnm.2025.129856.1658

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## **QUALIFICATION EXAMINATIONS & CERTIFICATIONS**

**USMLE** Step 2 CK 2008 percentile 99 (243)

**USMLE** Step 1 2014 score 244

**MCCEE** 2012 score 401

**MCCQE1** 2013 score 488

**NAC-OSCE** Sep 2013 Score 70

**TOEFL Exam** Feb 2013 with Total Score 101

**IELTS** Nov 2014 score 7.5

**Top student** of the 50<sup>th</sup> National Board Exam of Nuclear Medicine in Iran

**Top student** of the Iran University of Medical Sciences

MICROSOFT CORPORATION, **MCSE** Security Plus (**Network engineer**–Online Certificate)

**LMCC 2023**

**Eligible for Nuclear Medicine Board exam in Canada**

**DHA license 2024**

## **TEACHING EXPERIENCE**

DEPARTMENT OF NUCLEAR MEDICINE, IMAM HOSPITAL, Tehran, Iran **2003-2005**  
Involved in teaching and guiding nuclear medicine, cardiology, endocrinology, nephrology, and radiology residents at Tehran University of Medical Sciences.

DEPARTMENT OF NUCLEAR MEDICINE, NAMAZI HOSPITAL, Shiraz, Iran **2005- 2021**  
Actively involved in teaching and guiding cardiology, endocrinology, nephrology, and radiology residents at Shiraz University of Medical Sciences.

DEPARTMENT OF DIAGNOSTIC IMAGING, The Hospital for Sick Children, Toronto **2021-2022**  
Actively involved in teaching radiology and nuclear medicine fellows and residents  
University of Toronto

DEPARTMENT OF NUCLEAR MEDICINE, NAMAZI HOSPITAL, Shiraz, Iran **2022- Present**  
Actively involved in teaching and guiding cardiology, endocrinology, nephrology, and radiology residents at Shiraz University of Medical Sciences.

## **CONFERENCE ATTENDED**

5<sup>th</sup> Iranian Congress of Nuclear Medicine, Oct 2001, Tehran, Iran (Lecturer)

8<sup>th</sup> Iranian Congress of Nuclear Medicine, Nov 2004, Tehran, Iran (Lecturer)

9<sup>th</sup> International Asia Oceania Congress of Nuclear Medicine and Biology, May 2011, Tehran, Iran (Lecturer)

10<sup>th</sup> International Asia Oceania Congress of Nuclear Medicine and Biology, May 2012, Tehran, Iran

Role of PET imaging in Medicine, Jun 2004, Tehran, Iran

11<sup>th</sup> International Asia Oceania Congress of Nuclear Medicine, May 2013, Shiraz, Iran (Scientific committee)

Lecturer in the International Congress on Nuclear Medicine with the update for cancer therapy, Sep 2018

## **WORKSHOPS ATTENDED**

Research Methodology, Biostatistics and Dissertation Writing, Tehran, Iran	2001
Evidence-Based Medicine, Tehran, Iran	2004
Medical Ethics, Tehran, Iran	20049

**Farshid Gheisari, M.D.**

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## **AFFILIATIONS**

Iranian Medical Association

Iranian Academy of Nuclear Medicine Physicians

Shiraz Medical School Association

Alberta Health Services

The College of Physicians and Surgeons of Ontario

Dubai Health Authority (DHA)