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# Resume

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**Maryam Farghadani,MD**

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**Associate Professor of Radiology**

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*Personal Information:*

*Birth Date:*27.08.1977

*Nationality:* Iran

*Family Condition:* Married

# Maryam Farghadani chaharsooghi, MD

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## EDUCATION

- **Radiology Residency** 2005-2009  
Department of Radiology, Isfahan University of Medical Sciences Isfahan, Iran
- **General Medicine Internship** 2001-2002  
Faculty of Medicine, Azad University (Najafabad) of Medical Sciences Isfahan, Iran
- **Doctor of Medicine (M.D.)** 1995-2002  
Faculty of Medicine, Isfahan University of Medical Sciences Isfahan, Iran

## Employment History

### **Faculty Appointments**

- Assistant Clinical Professor of Radiology 2012-2021  
Isfahan University of Medical Sciences
- Associate Clinical Professor of Radiology 2021-Present  
Isfahan University of Medical Sciences
- Head of the Radiology department of Omid hospital 2017-Present  
Isfahan University of Medical Sciences
- Executive manager of the Radiology department of Omid hospital  
Isfahan University of Medical Sciences 2017-Present
- Head of the Radiology department of Omid hospital 2013-Present  
Isfahan University of Medical Sciences
- Administrator of the diagnostic radiology residency program in education  
Isfahan University of Medical Sciences 2018-Present
- Active member of cancer prevention research center, school of medicine  
Isfahan University of Medical Sciences

## CLINICAL WORK EXPERIENCES

- **Expert Radiologist in:**
  - Department of Cardiovascular Radiology, Chamran Hospital, Isfahan University of Medical Sciences
  - Department of breast imaging, Omid hospital, Isfahan University of Medical Sciences
  - Sepahan medical imaging center
  - Dr.Barikbin medical imaging institute

## RESEARCH INTERESTS

- Application of innovative MRI sequences and CT scan in body and breast imaging
- Cardiac CT- angiography

### **HONORS/AWARDS**

- Obtaining the 40th grade in the residency exam to be accepted in radiology 2005,Isfahan
- One of the top students in Farzanegan high school 1991-1995,Isfahan
  - Farzanegan Schools are all-girls schools in Iranian cities administered by the National Organization for the Development of Extraordinary Talents. The schools which include middle school and high school are part of gifted and talented schools in Iran
- Translator of 5 books in different fields in medicine :
  - a. The Washington manual of medical therapeutics,31st edition (2004)
  - b. The Washington manual of medical therapeutics,30th edition (2001)
  - c. The Washington manual of medical therapeutics,29th edition (1998)
  - d. Pharmacology Katzung-Trevor (Examination and board review),1998
  - e. Harrison's principles of internal medicine, disorders of the kidneys and urinary tract,1998
- Writing and collecting the questions and answers of 21st comprehensive examination of medical basic sciences of dentistry 1999,Tehran

## **PROFESSIONAL MEMBERSHIP**

- Member of the European Society of Radiology 2009-Present
- Member of the Iranian Society of Radiology 2005-Present
- Member of the ESGAR 2016-Present
- Member of the international center for Personalized medicine  
- ICPM P7 medicine, Düsseldorf, Germany 2019-Present

## **LISENSURE AND CERTIFICATION**

- Attendance at the school of MRI (ESMRMB) in Italy (Rome and Verona) and obtaining the certificate in cardiac and abdominal MRI course 2008
  - National Board Certification in Radiology 2009
  - Permanent Medical Practice License; Validated by the Ministry of Health and Medical 2002
- Education; Registered by Iranian Medical Council, License #91651

## **ACADEMIC WORK EXPERIENCES**

- **Workshop on Doppler sonography** 2007and 2019,  
Isfahan University of Medical Sciences Isfahan
- **Workshop on neonatal hip sonography for DDH** 2017, Isfahan  
Isfahan University of Medical Sciences

**ATTENDED COURSES AND MEETINGS**

- European congress of radiology (ECR) 2016-2019, Vienna
- 21<sup>st</sup> – 35<sup>th</sup> Iranian Congress of Radiology (ICR) 2005-2021, Tehran
- European Society for Magnetic Resonance in Medicine and Biology (ESMRMB) 2008 Rom, Italy
- European Society of Gastrointestinal and Abdominal Radiology (ESGAR) 2015 and 2018

## **TECHNICAL SKILLS AND ABILITIES**

### 1. Radiology-related skills:

- Ultrasound study of different organs  
(abdominal, gynecologic, musculoskeletal, fetal, and pediatric studies)
- Doppler study of the vascular system
- Interpretation of CT scan and MRI
- Interpretation of Mammography and breast MRI
  
- 10 years experience in dedicated interpretation of breast MRI
  
- 5-year experience in cardiac CT interpretation

### 2. Computer Skills:

(Software)

- PACS and Teleradiology
- Microsoft word
- Excel
  
- Adobe Photoshop
- PowerPoint

3. Language Skills: Fluent in speaking, listening, reading, and writing Deutsch (B1, B2), English and Persian

### PUBLICATIONS

1. <b>Maryam Farghadani</b> , Mohammad M, Ali H, Fateme M, Baradaran M Mohammad Mehdi. Anatomical variation of the celiac axis, superior mesenteric artery, and hepatic artery: Evaluation with multidetector computed tomography angiography. n.d.;21.
2. <b>Maryam Farghadani</b> , Ali H, Hoda S, Maryam R. Assessment of background parenchymal enhancement in dynamic contrast material-enhanced magnetic resonance imaging for breast cancer screening. n.d.;24(102):632-638.
3. <b>Maryam Farghadani</b> , Meri S. Clinical Indication In Coronary Ct Angiography. In: Vol 35. Iranian Society of Radiology; n.d.:39-39.
4. <b>Maryam Farghadani</b> , Amir T Sayyid, Roozbeh B, Armindokht S, Maryam R, Saleh J. Comparing the sensitivity and specificity of two-dimensional shear wave elastography and fine needle aspiration in determining malignant thyroid nodules. n.d.;8.
5. <b>Maryam Farghadani</b> , Farhad R, Mehdi K. Comparison of susceptibility artifact on rectal DWI-MRI and rectal volume before and after ultrasound gel versus Microlax enema. n.d.;10(2).
6. R B, A H, N O, <b>Maryam Farghadani</b> , P A. COMPARISON VALUE OF PLATELET COUNT/SPLENIC DIAMETER RATIO VS PORTAL SYSTEM DOPPLER STUDY RESULTS FOR PREDICTION/SCREENING OF ESOPHAGEAL VARICES. Published online n.d..
7. Maryam K, Ashraf A, Massoud A, <b>Maryam Farghadani</b> et al. Correction: Reference Intervals for Thyroid Hormones During the First Trimester of Gestation: A Report from an Area with a Sufficient Iodine Level. n.d.;53(09):638-640.
8. Ali H, Alireza M, <b>Maryam Farghadani</b> , Roozbeh B, Farzaneh H, Nariman N. Diagnostic accuracy of magnetic resonance voiding cystourethrography for detecting vesico-ureteral reflux in children and adolescents. n.d.;18(1):31.
9. 1. Mehdi K, Pooya A, Maryam M, <b>Maryam Farghadani</b> , Fariba A. Diagnostic value of coronary transluminal attenuation gradient in coronary CT Angiography to assess the severity of stenosis. n.d.;24(103):1052-1060.
10. Karami N Mehdi, Maryam M, Sajjadih K Amirreza, <b>Maryam Farghadani</b> , Atefeh E. Diagnostic value of intraluminal stent enhancement in estimating coronary in-stent restenosis. n.d.;10.
11. A H, <b>Maryam Farghadani</b> , N O, R B. DIAGNOSTIC VALUE OF MRVCUG IN COMPARISON WITH VCUG IN CHILDREN. Published online n.d.
12. <b>Maryam Farghadani</b> , Rozbeh B, Haji R Mostafa, Ali H, Marzieh A, Hosein Z. Differentiating solid breast masses: comparison of the diagnostic efficacy of shear wave elastography and magnetic resonance imaging. n.d.;8(3):382-387.
13. Maryam R, Mohammadreza R, Hosein S, Fatemeh F, <b>Maryam Farghadani</b> . Doppler assessment of children with liver cirrhosis and portal hypertension in comparison with a healthy control group: An analytical cross-sectional study. n.d.;23.

14. Maryam R, Hossein S, <b>Maryam Farghadani</b> , Parsai A Shafigheh. Doppler perfusion index in adolescents with non-alcoholic fatty liver disease. n.d.;7(1):e07-e07.
15. Behzad B, Samira S, <b>Maryam Farghadani</b> , et al. Effect of Vitamin E in prevention of intraventricular hemorrhage in preterm neonates. n.d.;9.
16. Ali A, <b>Maryam Farghadani</b> , Hamid E, Naderi B Zahra, Naderi B Afsaneh. Effects of Neck Radiation on Result of Doppler Sonography of Carotid Arteries in Head and Neck Cancer Patients. n.d.;30(4):105607.
17. BEHZAD B, MOHAMMAD A AMIR, <b>Maryam Farghadani</b> , ALI S, ARMINDOKHT S, SAMIRA S. Evaluation of the effects of vitamin E on prematurity complications in premature neonates. Published online n.d.
18. Leyla H, Ali H, <b>Maryam Farghadani</b> , Farzaneh H. Evaluation and comparison of sonographic changes and thyroid function in iodinated intravenous contrast recipients and normal population. n.d.;23(97):283-289.
19. <b>Maryam Farghadani</b> , Mahboubeh B. Evaluation of the Frequencies of Extracolonic Findings in Virtual CT Colonography in Patients Suspected of Colorectal Problems. Published online n.d.
20. <b>Maryam Farghadani</b> , FATEMEH M, MOHAMMAD M, ROYA A, NASIM A. Evaluation of thoracic extracardiac findings in patients undergoing multidetector computed tomography coronary angiography in Alzahra hospital, Isfahan, Iran, during 2014-2015. Published online n.d.
21. Maryam R, Hossein S Amir, Alaleh G, <b>Maryam Farghadani</b> . How may Doppler indices help in the differentiation of obstructive from nonobstructive hydronephrosis? n.d.;23.
22. <b>Maryam Farghadani</b> . Imaging In Pancreas Inflammation, Old Rules And New Trends. In: Vol 34. Iranian Society of Radiology; n.d.:62-62.
23. Ali H, Reza B, <b>Maryam Farghadani</b> , et al. Imaging of Congenital Brain Tumors. n.d.;11(S1).
24. Mohammad M, <b>Maryam Farghadani</b> , Fatemeh M. Importance of Evaluation of Extra Cardiac Findings in Patients Undergoing MDCT Coronary Angiography. n.d.;(5).
25. <b>Maryam Farghadani</b> , Ali H, Hoda S, Mehdi B, Maryam R. Is Background Parenchymal Enhancement on Magnetic Resonance Imaging Helpful in Risk Assessment of Breast Cancer? n.d.;(5).
26. Mahdi K, Maryam M, Javad N, Amirreza S, Parvin B, <b>Maryam Farghadani</b> . Is CT syntax score correlates with conventional syntax score and could it be used for deciding on revascularization strategy? n.d.;10(S1):181.
27. <b>Maryam Farghadani</b> , Jamalipoor S Ghazale, Hossein S Amir. Is there any correlation between magnetic resonance imaging features of breast lesions of BIRADS category 4 with histopathologic results? n.d.;6.
28. Maryam R, Majid H, <b>Maryam Farghadani</b> . Normal Cranial Sutures' Width in an Iranian Infant Population. n.d.;5:564-569.
29. Ali H, Rozbeh B, <b>Maryam Farghadani</b> , Navid O, Peyman A. Prediction and screening of esophageal varices in cirrhotic patients using doppler US hemodynamic indices of portal system. n.d.;3(1):11-14.
30. R B, A H, N O, <b>Maryam Farghadani</b> , P A. Prediction severity of esophageal varices: a new cutoff point for Platelet count/spleen diameter ratio. n.d.;56(1):1-6.



31. Maryam R, Fatemeh T, Hosein S, Shadi K, Majid K, <b>Maryam Farghadani</b> . Predictive value of colonic transit time indices for differentiating nonnormal from normal sensation in children with chronic functional constipation identified by anorectal manometry. n.d.;24.
32. Reza M, Simin H, Ali A, <b>Maryam Farghadani</b> , et al. Randomized phase II clinical trial of pioglitazone plus chemotherapy versus chemotherapy alone in patients with metastatic breast cancer. Published online n.d.
33. Maryam K, Ashraf A, Massoud A, <b>Maryam Farghadani</b> , et al. Reference intervals for thyroid hormones during the first trimester of gestation: a report from an area with a sufficient iodine level. n.d.;51(03):165-171.
34. Maryam K, Ashraf A, Massoud A, <b>Maryam Farghadani</b> , et al. Reference Intervals for Thyroid Hormones During the First Trimester of Gestation: A Report from an Area with a Sufficient Iodine Level. n.d.;53(09):634-637.
35. Maryam R, Mohsen M, <b>Maryam Farghadani</b> , Parvaneh C, Mehrdad H. Sacrum ultrasonography: an accurate alternative to radiography for measuring sacral ratio in infants. n.d.;31(01):065-068.
36. Atoosa A, Roozbeh B, Navid K, <b>Maryam Farghadani</b> , Kouros M, Farnaz F. Solitary epidural brain metastasis of a peripheral neuroepithelioma (a primitive neuroectodermal tumor): a case report. n.d.;2(1):16.
37. Roozbeh B, Ali H, <b>Maryam Farghadani</b> , Reza B. The Role of Cardiac MRI in Children's Congenital and Acquired Heart Disease. n.d.;11(30th Iranian Congress of Radiology).
38. A H, <b>Maryam Farghadani</b> , A M, AR R, R B. The role of MR voiding cystourethrography in vesicoureteral reflux. In: European Congress of Radiology-ECR 2010; n.d.
39. Saeideh S, Ali H, <b>Maryam Farghadani</b> , et al. Thyroid volume and nodular and diffuse thyroid diseases by ultrasonography in pregnant women: A case-control study. n.d.;25.
40. <b>Maryam Farghadani</b> , Jalil Khataei, Mahnaz Fosouli, Maryam Riahinezhad, Comparison of diagnostic values of two magnetic resonance imaging (MRI) protocols for diagnosis of breast lesions, Int J Physiol Pathophysiol Pharmacol 2022;14(3):193-199, www.ijppp.org /ISSN:1944-8171/IJPPP0142392

### Accepted for Publication

- 1- **Maryam F**, et al, Can multidetector CT scan replace MRI in evaluation of mesenteric fascia in rectal cancer?
- 2- **Maryam F**, et al, MRI evaluation of mass-like and non-mass-like proven breast cancer in moderate to high enhancement

## **PRESENTED PROJECTS IN CONGRESSES**

### **◆ Oral Presentation:**

1. Imaging approach to adrenal lesions in pediatric group ; ICR 2015
2. Pediatric hepatobiliary ultrasonography:Technics and overview of non-neoplastic disease entities ; ICR 2015
3. Cross sectional imaging in acute mesenteric ischemia, What a radiologist should know ; ICR 2016
4. Perianal fistula disease ; ICR 2016
5. Is background parenchymal enhancement on magnetic resonance imaging helpful in risk assessment of breast cancer? ; ICR 2017
6. What should radiologists know after breast screening in recall patients ; ICR 2017
7. Pitfalls and Variants in Brain Sonography of Pediatrics.
8. Pediatric inguinal canal imaging (spectrum of normal variation and pathologies); ICR 2016
9. Imaging in pancreatic inflammation, old rules and new trends ; ICR 2018
10. Interesting case presentation; ICR 2018
11. Indication and patient selection for coronary CT angiography; ICR 2019
12. Bowel ischemia; ICR 2019

### **◆ Webinar Presentation**

- 1- Imaging in RUQ emergencies with focus on hepatobiliary system ; ICR 2020
- 2- VI-RADs in bladder cancer ; ICR 2021
- 3- Breast MRI , when to perform and when to avoid ; ICR 2021
- 4- The long-term sequels of COVID-19 infection in chest CT scan ; **5<sup>th</sup> international congress on biomedicine 2021**

### **◆ Poster Presentation**

1. AH S, M R, **Maryam F**. Can Duplex Doppler ultrasound predict the complete obstruction in children with unilateral ureteropelvic junction obstruction? In: European Congress of Radiology-ECR 2016; n.d.
2. A H, A M, **Maryam F**, et al. Diagnostic accuracy of magnetic resonance voiding cystourethrography in detecting vesicoureteral reflux. In: European Congress of Radiology-ECR 2012; n.d.
3. 1. Pooya A, Mehdi K, Maryam M, **Maryam F**, Fariba A. DIAGNOSTIC VALUE OF CORONARY TRANSLUMINAL ATTENUATION GRADIENT IN CORONARY CT ANGIOGRAPHY FOR DETERMINING STENOSIS SEVERITY. In: Vol 35. Iranian Society of Radiology;

4. AH S, **Maryam F**, G JS, M R. Is there any correlation between MRI features of breast lesions of BI-RADs category 4 with histopathologic results? In: European Congress of Radiology-ECR 2016; n.d.

### **SCIENTIFIC REVIEWER EXPERIENCE**

- Journal of Research in Medical Sciences (JRMS) 2017-Present
- Advanced journal of Biomedical Research (ABR,ISSN : 2277-9175) 2015-Present
- Journal of Isfahan Medical School (JIMS) 2020-Present

### **HOBBIES/ SPORTS**

- Playing Ping-Pong
- Watching Movies
- Traveling
- Jogging

### **REFERENCES**

1. Karim Nayernia,PhD  
Professor of Stem Cell Biology at IHG/NESCI  
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2. Amir-Reza Radmard,MD  
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3. Siamak Salehi, Dip,MSc,MD,PhD  
Senior Lecturer in Transplantation, Liver Studies, King's College Hospital, Denmark Hill,London,UK  
Email: siamak.salehi@kcl.ac.uk