

# Fariba Zarei

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## EXPERIENCE

August 2007 – Now

**Assistant Professor of Radiology**, SHIRAZ UNIVERSITY OF MEDICAL SCIENCES

January 2009 – Now

**Assistant Professor of Radiology**, MEDICAL IMAGING RESEARCH CENTER

## EDUCATION

2017

**Fellowship in Breast Imaging**, TEHRAN UNIVERSITY OF MEDICAL SCIENCES

2016

**Fellowship in Interventional Radiology**, SHIRAZ UNIVERSITY OF MEDICAL SCIENCES, SCHOOL OF MEDICINE, SHIRAZ, IRAN

1998-2001

**Residency Training in General Radiology**, SHIRAZ UNIVERSITY OF MEDICAL SCIENCES, SCHOOL OF MEDICINE, SHIRAZ, IRAN

1989-1996

**M.D. Degree**, SHIRAZ UNIVERSITY OF MEDICAL SCIENCES, SCHOOL OF MEDICINE, SHIRAZ, IRAN

1984-1988

**High School**, TOHID HIGH SCHOOL, SHIRAZ, IRAN

## SKILLS

- Interventional Radiology
- Ultrasound
- Breast Imaging
- Obstetric Ultrasound

## ACTIVITIES

- Iranian National Board of Radiology ,2001

## PATENTS

- Arterial Sheet Fixer in the radiation Field Liver Angiography, 2016, registration number and date: 1395/10/12-90877

## AWARDS

- Top student of Radiology Department, 2001

## PUBLISHED PAPERS

1. Zarei F, Bagheri F, Dehdashtian A, Akrami M. Evaluation of general, pathological, and radiological features of male breast cancer. *Iranian Journal of Radiology* 2020;17(3):1-7. doi: 10.5812/iranjradiol.100029
2. Zarei F, Ghaedian M, Ghaedian T. The role of contrast-enhanced and non-contrast-enhanced MRI in the follow-up of multiple sclerosis. *Acta Radiologica* 2020. doi: 10.1177/0284185120946714
3. Zarei F, Reza J, Sefidbakht S, Iranpour P, Haghghi RR. Aspiration Pneumonia or COVID-19 Infection: A Diagnostic Challenge. *Academic Radiology* 2020;27(7):1046. doi: 10.1016/j.acra.2020.04.034
4. Farazi Fard MA, Rebelo AP, Buglo E, Nemati H, Dastsooz H, Gehweiler I, Reich S, Reichbauer J, Quintáns B, Ordóñez-Ugalde A, Cortese A, Courel S, Abreu L, Powell E, Danzi M, Martuscelli NB, Bis-Brewer DM, Tao F, Zarei F, Habibzadeh P, Yavarian M, Modarresi F, Silawi M, Tabatabaei Z, Yousefi M, Farpour HR, Kessler C, Mangold E, Kobeleva X, Mueller AJ, Haack TB, Tarnopolsky M, Gan-Or Z, Rouleau GA, Synofzik M, Sobrido MJ, Jordanova A, Schüle R, Zuchner S, Faghihi MA. Truncating Mutations in UBAP1 Cause Hereditary Spastic Paraplegia. *American Journal of Human Genetics* 2019;104(4):767-773. doi: 10.1016/j.ajhg.2019.03.001
5. Farazi Fard MA, Rebelo AP, Buglo E, Nemati H, Dastsooz H, Gehweiler I, Reich S, Reichbauer J, Quintáns B, Ordóñez-Ugalde A, Cortese A, Courel S, Abreu L, Powell E, Danzi MC, Martuscelli NB, Bis-Brewer DM, Tao F, Zarei F, Habibzadeh P, Yavarian M, Modarresi F, Silawi M, Tabatabaei Z, Yousefi M, Farpour HR, Kessler C, Mangold E, Kobeleva X, Tournev I, Chamova T, Mueller AJ, Haack TB, Tarnopolsky M, Gan-Or Z, Rouleau GA, Synofzik M, Sobrido MJ, Jordanova A, Schüle R, Zuchner S, Faghihi MA. Erratum: Truncating Mutations in UBAP1 Cause Hereditary Spastic Paraplegia (*The American Journal of Human Genetics* (2019) 104(4) (767–773), (S0002929719300977), (10.1016/j.ajhg.2019.03.001)). *American Journal of Human Genetics* 2019;104(6):1251. doi: 10.1016/j.ajhg.2019.05.009
6. Sefidbakht S, Zeinali-Rafsanjani B, Safari M, Zarei F, Bijan B, Jalli R, Kasraeian M, Vafaei-Cisakht H, Asadi N. Correlating placental ADC values with gestational age

and grannum class in normal placentas. *Iranian Journal of Radiology* 2019;16(1). doi: 10.5812/iranjradiol.81254

7. [Zarei F](#), Iranpour P, Haseli S. Holoprosencephaly or severe hydrocephalus: T1 sequence tells the story. *BMJ Case Reports* 2019;12(5). doi: 10.1136/bcr-2018-228648
8. Haghghi RR, Chatterjee S, Vani VC, Kumar P, Tabin M, Ray R, Jalli R, Sefidbakht S, [Zarei F](#), Shakibafard AR, Bardeji SG, Dodangeh M, Bijan B. Non-calcified coronary artery plaque characterization by dual-energy computed tomography. *Iranian Journal of Radiology* 2018;15(2). doi: 10.5812/iranjradiol.13970
9. Shenavandeh S, Eazadnegahdar M, Nazarinia MA, Najafzadeh S, [Zarei F](#). Eosinophilic granulomatosis with polyangiitis and spinal subdural hematoma: A case-based review of the literature. *Iranian Red Crescent Medical Journal* 2018;20(2). doi: 10.5812/ircmj.13058
10. [Zarei F](#), Zeinali-Rafsanjani B. Assessment of adherence of diagnostic accuracy studies published in radiology journals to STARD statement indexed in web of science, pubmed & scopus in 2015. *Journal of Biomedical Physics and Engineering* 2018;8(3):311-324. doi: 10.22086/jbpe.voio.808
11. Rasekhi A, Foroughi AA, Zeinali-Rafsanjani B, Saeedi-Moghadam M, [Zarei F](#), Nazeri M. Evaluation of occupational and patient dose in challenging hemodialysis catheter placement. *Iranian Journal of Radiology* 2017;14(3). doi: 10.5812/iranjradiol.14314
12. [Zarei F](#), Pishdad P, Hatami M, Zeinali-Rafsanjani B. Can breast ultrasound reduce patient's level of anxiety and pain? *Ultrasound* 2017;25(2):92-97. doi: 10.1177/1742271X17690021
13. [Zarei F](#), Zeinali-Rafsanjani B, Saeedi-Moghadam M, Rasekhi A, Foroughi AA. Assessment of the possibility of radiation dermatitis in the legs of interventional radiologists. *Iranian Journal of Radiology* 2017;14(3). doi: 10.5812/iranjradiol.22030
14. Zeinali-Rafsanjani B, Rasekhi A, Saeedi-Moghadam M, [Zarei F](#), Jalli R, Sefidbakht S, Pishdad P. A Useful Gadget to Reduce the Radiation Dose of Interventionist's Hands. *Health Physics* 2017;112(5):494-497. doi: 10.1097/HP.0000000000000664
15. Jalli R, [Zarei F](#), Farhangiz S, Khaleghi F, Petramfar P, Borhani-Haghghi A, Yadollahikhales G. The Sensitivity, Specificity, and Accuracy of Contrast-Enhanced T1-Weighted Image, T2\*-Weighted Image, and Magnetic Resonance Venography in Diagnosis of Cerebral Venous Sinus Thrombosis. *Journal of Stroke and Cerebrovascular Diseases* 2016;25(8):2083-2086. doi: 10.1016/j.jstrokecerebrovasdis.2016.01.039
16. Ashraf A, [Zarei F](#), Hadianfard MJ, Kazemi B, Mohammadi S, Naseri M, Nasserri A, Khodadadi M, Sayadi M. Comparison the effect of lateral wedge insole and acupuncture in medial compartment knee osteoarthritis: A randomized controlled trial. *Knee* 2014;21(2):439-444. doi: 10.1016/j.knee.2013.12.002

17. Kazemi B, Ashraf A, Namazi M, Zarei F, Foruzi S. Evaluation of the degree of knee joint osteoarthritis in patients with early gray hair. International Journal of Trichology 2010;10(4):e17-e19. doi: 10.4103/0974-7753.122964
18. Zarei F, Iranpour P. Pneumatocyst, mimicking a sclerotic bony lesion on magnetic resonance imaging. Spine Journal 2010;10(4):e17-e19. doi: 10.1016/j.spinee.2010.01.022

## CONFERENCE ABSTRACTS

Title	Congress name	#Author /total number of authors
1. Assessment the pediatric imaging and its radiation dose in the patients hospitalized in neurosurgery department	ICR 2018	4/5
2. Comparison of visual assessments of mammographic breast density from mammography: along with evaluation the correlation of some important risk factors and ACR BI-RADS stages	ICR 2018	1/5
3. Shear-wave elastography of partly cystic breast lesions, does it always help?	ICR 2018	2/7
4. SWE of Low risk benign breast lesions, which pathologic diagnoses makes them stiff?	ICR 2018	2/6
5. Application of abdominal CT scans without contrast for screening the vertebral compression fractures: According to L1 trabecular attenuation	ICR 2018	1/4
6. Radiation dose optimization in CT for craniosynostosis evaluation	ICR 2018	1/3
7. Evaluation of portable chest x-ray imaging in newborns hospitalized in NICU: Focused on assessing the impact of adjusting the standard field size in reducing the radiation dose and risk of cancer	ICR 2019	5/5
8. Range of pathological findings in lesions suspected of having an intraductal component in ultrasound and role of shear wave elastography in differential diagnosis	ICR 2019	1/7
9. Shear-wave elastography in evaluation of Non-mass breast lesions, does it perform equally well in palpable and non-palpable non-mass lesions?	ICR 2019	1/5
10. Evaluation of image quality of electronic and geometric magnification view in mammography	ICR 2019	2/8
11. The feasibility of histogram analysis to differentiate similar brain lesions in unenhanced brain CT	ICR 2019	1/6
12. Evaluation of dose reduction effects on image quality of Computed tomography of temporal bone	ICR 2019	1/3
13. Dose optimization in paranasal sinuses by computed tomography, using iterative reconstruction technique	ICR 2019	3/4
14. Evaluation of the performance of the mammography unit in two hospitals affiliated to Shiraz University of Medical Sciences	The Fifth Iranian Internation	4/7

15.	Evaluation of the reject rate of the digital mammography images in hospitals affiliated to Shiraz University of Medical Sciences	al Conference on Women's Health May 2016 The Fifth Iranian International Conference on Women's Health May 2016	3/7
16.	Dose presence of intralesion vascularity affect downgrading of BIRADS Iva,b/III masses based on SWE?	ECR 2018	3/10
17.	Normal breast tissue elasticity: is there a correlation with age?	ECR 2018	3/11
18.	Inter-observer variability of breast composition evaluation in mammography	ECR 2017 , ICR 2017	3/5
19.	Comprehensive TLD dosimetry of physicians and patients during interventional angiography procedures to estimate the risk of radiation deterministic effect	12 <sup>th</sup> Iranian Congress of Medical Physics 2018	3/6
20.	Histogram analysis- a useful tool for tissue characterization in brain CT	12 <sup>th</sup> Iranian Congress of Medical Physics 2018	3/5
21.	An interative method to estimate X-ray attenuation coefficients in computed tomography	12 <sup>th</sup> Iranian Congress of Medical Physics 2018	8/9
22.	Non calcified coronary artery plaque characterization by dual energy computed tomography (DECT)	ICR 2017	9/10
23.	History of mammography in Iran	ICR 2017	1/5
24.	Assessment of adherence to the stard statement for the quality of reports on diagnostic studies published on the Iranian Journal of Radiology	ICR 2017	1/2
25.	Testing the perfoemance of mammography unit with natural substances as Phantom	ICR 2017	4/10
26.	3D ultrasound images of the breast and supersonic trivu colour doppler application improves radiology resident's sensitivity in diagnosis if tissue distortion and non-mass lesions	ICR 2018	3/7
27.	Dose local anesthesia reduce pain and anxiety during thyroid fine needle biopsy?	ICR 2018	1/5

- 28. Comparing the steatosis stage determined by controlled attenuation parameter provided by transient elastography, B-mode ratio and gray-scale ultrasonography ICR 2018 1/5
- 29. Comparing the liver elastography using fibro scan and shear wave ICR 2018 1/5