



Forough Sodaei

Marital Status: Single

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🌐 www.qmisg.com

📍 Quantitative Medical Imaging
Systems Group, Research Center for
Molecular and Cellular Imaging,
Emam Khomeini Hospital, Keshavarz
Boulevard, Tehran, Iran, Tehran, Iran

Skills

Neuroscience	80%
Neuroimaging	80%
Clinical MR images analysis	80%
MATLAB	40%
Explore DTI	80%
DSI Studio	80%
ITK-SNAP	80%
Free Surfer	60%
SPM 12	40%
FSL	40%
CONN	20%

About

Medical Imaging physicist & Researcher interested in clinical MR Neuroimaging, Advanced MRI data analysis, and Neurosciences.

Education

Master of Medical Imaging Technology

Branch: Neuroimaging

Institute/University: Tehran University of Medical Sciences

2017 - 2020

Bachelor of Radiology Technology

Institute/University: Tabriz University of Medical Sciences

2013 - 2017

Work Experiences

Scientific Director

Company: KIO

From 2020

Tasks and Achievements

- Head of MRI clinical quantitative analysis at Neurology and Neurosurgery department of KIO

Scientific Director

Institute: QMISG

From 2018

Tasks and Achievements

- Manager of the ongoing Alzheimer's disease imaging project
- Supervisor of data acquisition step
- Conducting DTI analysis

3D Printing using MRI

60%

Languages

English



Persian



Turkish




Azerbaijani




French



Social Network

 forough.sodaei

 forough-sodaei

scientific Advisor

Institute: QMISG

From 2018

Tasks and Achievements

- Scientific adviser of the first Dementia imaging course, Tehran
- Scientific director of the MRI virtual courses at Virtual University of Medical Sciences

Researcher

From 2018

Tasks and Achievements

- Research Center for Molecular and Cellular Imaging (RCMCI)
- Date from 2018 to 2021
- Quantitative Medical Imaging Systems Group (QMISG)
- Date from 2018 to 2021
- Yaadmaan Institute for Brain, memory and Cognition
- Date from 2019 to 2021
- KIO company
- Date from 2019 to 2021
- Advanced-MRI Educational Group
- Date from 2020 to 2021

MRI Radiologic Technologist

Hospital: Medical Research & Training Hospital

From 2020

Tasks and Achievements

- Became semi-professional in almost all routine and Advanced MRI protocols including

CT scan Radiologic Technologist

Hospital: Medical Research & Training Hospital

From 2020

Tasks and Achievements

- Became Professional in almost all Advanced CT scan protocols
- Trusted to training and supervising Career promotion of hospital staff during the pandemic of COVID-19

CT scan Radiologic Technologist

Hospital: Medical Research & Training Hospital

2017 – 2019

Tasks and Achievements

- Collaborated with Fellows of Interventional Radiology in CT guided Biopsies.
- Became Professional in almost all routine CT scan protocols and Contrast-Enhanced CT scan techniques.
- Trusted in training and supervising Technology of Radiology interns at Hospital throughout the year.

Dental Radiologic Technologist

Clinic: Maxillofacial Radiology clinic

2015 – 2017

Tasks and Achievements

- Became Professional in Maxillofacial Radiology techniques.
- Trusted to training interns in Radiology techniques

Editorial Board

Institute: Rise & Shine learning and Teaching English Magazine

2015 – 2016

Tasks and Achievements

- Participated in speaking editorial board of Rise & Shine learning and teaching English magazine

Certificates

Research Course-Publishing in Medical Sciences

Institute: College for Light Medicine or Photobiomodulation-Germany

Date: 2020

The National AI Course

Institute: ICAI innovation centre-Netherland

Date: 2020

MRI Safety

Institute: Advanced-MRI Educational Group-Iran

Date: 2020

MR Angiography

Institute: Advanced-MRI Educational Group-Iran

Date: 2020

MRS

Institute: Advanced-MRI Educational Group-Iran

Date: 2020

Pediatric MRI

Institute: Advanced-MRI Educational Group-Iran

Date: 2020

Principles of fMRI

Institute: Johns Hopkins University-USA

Date: 2020

MATLAB

Institute: Tehran University of Medical Sciences-Iran

Date: 2019

Dementia Imaging Course

Institute: Tehran University of Medical Sciences-Iran

Date: 2019

Neurosciences-Neurodegenerative disorders

Institute: Yaadmaan institute for brain, cognition and memory studies-Iran

fMRI analysis

Institute: Tehran University of Medical Sciences-Iran

Date: 2018

DTI analysis

Institute: Tehran University of Medical Sciences-Iran

Date: 2017

Researches

Generation of Biomarkers for Differential Diagnosis of Patients with Amnesic Mild Cognitive Impairment from Sporadic Alzheimer's Disease using Optimization of Diffusion Tensor Imaging Analysis

Date: 2020

Identification of penumbra in acute ischemic stroke using multimodal MR imaging analysis: A case report study

Date: 2020

Enhancing Magnetic Resonance Neuroimaging with Artificial Intelligence: a Review of Impact on Image Quality

Date: 2020

Role of Arterial Spin Labeling(ASL) perfusion imaging in Alzheimer's disease

Date: 2020

The Compressed Sensing Technology: A Review of Concepts and Clinical Roles in Magnetic Resonance Imaging

Date: 2020

The Evaluation of the Brain Alterations in Epileptic Patients Using Structural Magnetic Resonance Imaging

Date: 2019

The Effect of Educational Animation for Patients to Eliminate the Gap between Tongue and Palate in Panoramic Radiography

Date: 2017

Studying The Relationship Between Alcohol Abuse and Bulimia Disease

Date: 2015

Projects

Generation of Biomarkers for Differential Diagnosis of Patients with Amnesic Mild Cognitive Impairment from Sporadic Alzheimer's Disease using Optimization of Diffusion Tensor Imaging Analysis

For: Tehran University of Medical Sciences

Date: 2020

Assessment of auditory tracts white matter volume and temporal lobe in 1-4 years old children affected by with profound sensorineural hearing loss(SNHL) candidate for cochlear implantation

For: Ahvaz University of Medical Sciences

Date: 2020

Comparative study of white matter characteristics in healthy and tumoral hemispheres in patients with grade III and IV glioma after chemoradiotherapy using diffusion tensor imaging (DTI)

For: Ahvaz University of Medical Sciences

The Role of Stress and Oxytocin in Development of Alzheimer's disease

For: Chan Zuckerberg Initiative

Date: 2019

Generation of Image-Based Neuro radiological Evidences for Differential Diagnosis of Patients with Amnesic Mild Cognitive Impairment from Sporadic Alzheimer's Disease Employing Multi-parametric MRI (PW/DTI/T1-w); A Baseline Study

For: Cognitive Sciences & Technologies Council

Date: 2018

Honors

- **Honored to be the Active Student at Student Research Committee**

Date: 2016

- **Trusted to be Jury member at 1th student Congress of Para medicine Challenges and Opportunities**

Date: 2016

- **Earned Excellence Award at 2th Student Research Ideas Festival for “Designing a segment for Bite block to eliminate the palatoglossal air space in panoramic radiography” as top Idea**

Date: 2015

- **Earned Top 5 Award at Shahid Motahari Educational Ideas Festival for “Designing a X-ray Techniques and positioning Software for Radiology students”**

Date: 2014