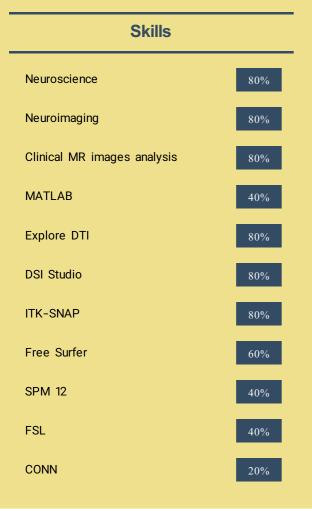


# Forough Sodaei

Marital Status: Single

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- Quantitative Medical Imaging
   Systems Group, Research Center for
   Molecular and Cellular Imaging,
   Emam Khomeini Hospital, Keshavarz
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# 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

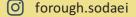
#### 3D Printing using MRI



# Languages

English	
Reading Level	
Writing Level	
Speaking Level	$\bullet \bullet \bullet \bullet \bullet$
Listening Level	$\bullet \bullet \bullet \bullet \bullet$
Persian	
Reading Level	
Writing Level	
Speaking Level	
Listening Level	
Turkish	
Reading Level	
Writing Level	
Speaking Level	
Listening Level	
Azerbaijani	
Reading Level	
Writing Level	$\bullet \bullet \bullet \bullet \bullet$
Speaking Level	
Listening Level	
French	
Reading Level	• • • • •
Writing Level	
Speaking Level	
Listening Level	• • • • •

# **Social Network**



in 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 foe 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 Amnestic 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 Amnestic 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 Amnestic Mild Cognitive Impairment from Sporadic Alzheimer's Disease Employing Multiparametric MRI (PWI/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