

## **Curriculum Vita**

### **PERSONAL DATA**

**Maryam Mohammadzadeh, M.D**  
**Associate Professor in Neuroradiology**

### **EDUCATION**

#### **Degree**

**MD, Tehran University of Medical Sciences, 2000-2006**

#### **Internship**

**Internal Medicine, Tehran University of Medical Sciences, 2006-2007**

#### **Residency**

**Diagnostic Radiology, Tehran University of Medical Sciences, 2007-2011**

#### **Fellowship**

**Neuroradiology, Tehran University of Medical Sciences, 2011-2013**

#### **Medical Board Certifications**

**Neuroradiology, Iranian Board of Radiology, 2013**

**Diagnostic Radiology, Iranian Board of Radiology, 2011**

### **BOARD CERTIFICATION**

Iranian Board of Radiology , Sep.2011

## **PROFESSIONAL EXPERIENCE**

**2021-2024 Associate Professor of Neuroradiology and Division of Head & Neck Imaging, Tehran University of Medical Sciences**

**2011-2020 Assistant Professor of Neuroradiology and Division of Head & Neck Imaging, Tehran University of Medical Sciences**

## **ADMINISTRATIVE EXPERIENCE**

**2016-2024 Division Program Director, Neuroradiology and Head & Neck Radiology, Department of Radiology, Tehran University of Medical Sciences**

## **PROFESSIONAL ACTIVITIES**

### **-Editorial**

**Iranian Journal of Radiology, 2011-present**

### **-Membership:**

**2007-present Iranian Society of Radiology**

**2007-present European Society of Radiology**

**2014-present Radiology Society of North America**

**2022-present American Society of Pediatric Neuroradiology**

**2024-present American Society of Neuroradiology**

## **HONORS AND AWARDS**

**2007 National rank 10 among more than 100,000 participants of the residency exam for public universities in Iran.**

**2016 Winner Travel Award , Oral Presentation , Radiological Society of North America Annual Meeting**

## **TEACHING ACTIVITIES**

### **INVITED LECTURES**

1-Head & Neck Foreign Body Imaging Evaluation,31st Iranian Annual Congress of Radiology, Tehran,Iran, 05.2015

2- Panel Discussion of Role of Imaging in Head & Neck Emergencies,31st Iranian Annual Congress of Radiology,Tehran,Iran, 05.2015

3-Thyroid Fine Needle Aspiration Workshop,31st Iranian Annual,Congress of Radiology, Tehran,Iran, 05.2015

4- Neck Ultrasound Workshop, 31st Iranian Annual Congress of Radiology, Tehran,Iran, 05.2015

5-Role of Contrast Agents in Head & Neck Tumors , Congress of Annual Radiology Refreshment Courses,Tehran University of Medical Sciences,Tehran,Iran, 02.2016

6-Panel Discussion of Head & Neck Imaging and Case Based Review,32nd Iranian Annual Congress of Radiology, Tehran,Iran, 05.2016

7-Imaging of Salivary Gland Tumors,Congress of Annual Radiology Refreshment Courses, Tehran University of Medical Sciences,Tehran,Iran, 02.2017

8-Panel Discussion of Inverted Papilloma, Seminar of Sinonasal Endoscopy,Department of Otolaryngology ,Tehran University of Medical Sciences,Tehran, Iran,02.2017

9-Imaging of Salivary Gland Tumors, 33rd Iranian Annual Congress of Radiology,Tehran,Iran, 05.2017

10-TIRADS , Breast and Thyroid Biopsy & Musculoskeletal Structural Reporting , Iranian Society of Radiology,Tehran , Iran , 02.2017

11-Multidisciplinary Approach for Differentiation of Benign and Malignant Parotid Gland Tumors , Congress of Annual Radiology Refreshment Courses,Iran University of Medical Sciences,Tehran,Iran, 11.2017

12-Ultrasound Evaluation of Thyroid Parenchymal Disease,One Day Seminar of Diagnostic Imaging of Thyroid Nodules from Beginners to Advanced ,Tehran University of Medical Sciences ,Tehran, Iran,01.2018

13- Skull Base Imaging Anatomy, , Congress of Annual Radiology Refreshment Courses,Tehran University of Medical Sciences,Tehran,Iran, 02.2018

14-Diagnostic Delimma of Head & Neck Masses, One Day Seminar,Department of Otolaryngology,Tehran University of Medical Sciences,Tehran ,Iran, 03.2018

15-Cystic Neck Masses, 34th Iranian Annual Congress of Radiology,Tehran,Iran, 05.2018

16-Nomenclature of Disc Pathologies,Congress of Annual Radiology Refreshment Courses , Tehran University of Medical Sciences,Tehran,Iran, 02.2019

17- What Not to Miss in Sinonal Malignancy ,Role of Radiologist as Gate Keeper,Congress of Annual Radiology Refreshment Courses,Tehran University of Medical Sciences,Tehran,Iran, 02.2019

18- Interactive Head & Neck Board Review Cases,Chair,35th Iranian Annual Congress of Radiology,Tehran,Iran, 05.2019

19-Panel Discussion:How Do Best Professors Report Head & Neck Cases ? 35th Iranian Annual Congress of Radiology,Tehran,Iran, 05.2019

20-Carotid Sheath Lesions, 35th Iranian Annual Congress of Radiology,Tehran,Iran, 05.2019

21- Red Flags in Paranasal Sinus CT Scan , , Congress of Annual Radiology Refreshment Courses , Tehran University of Medical Sciences,Tehran,Iran, 02.2020

22-Multidisciplinary Imaging Modalities for Differentiation of Parotid Tumors, Webinar of Head & Neck Imaging,Iranain Society of Radiology ,08.2020

23-Case Based Review of Common Mimics in Head &Neck (An Interactiv Session), 36th Iranian Annual Congress of Radiology,Tehran,Iran, 11.2020

24-Imaging of Brachial Plexus , Congress of Imaging in Neurologic Disorder and Musculoskeletal Interventions, Tehran University of Medical Sciences,Tehran, Iran , 02.2021

25-Brain Tumor Mimics,Congress of Annual Radiology Refreshment Courses,Tehran University of Medical Sciences,Trehan,Iran,03,2022

26-PNS CT Scsn & MRI :Take Small Hints,Avoid Large Mistakes,37th Iranian Annual Congress of Radiology, Tehran, Iran, 07/2022

27- Nasopharynx and Oropharyngeal Tract Lesions :How We Report Them, 37th Iranian Annual Congress of Radiology, Tehran, Iran, 07/2022

28-FDG PET/CT in Treatment Response in Oncology,38th Iranian Annual Congress of Radiology, Tehran, Iran,05/2023

29-MRI Evaluation of Normal Nasopharynx :Imaging Anatomy and Practical MRI Sequences, 38th Iranian Annual Congress of Radiology,Tehran, Iran,05/2023

### **International Scientific Presentations**

1-Cystic Sellar Lesions: A Case-Based Review, Co, RSNA 2014, Chicago, Illinois, USA (Digital Poster)

2-Neurocysticercosis of Spine, RSNA 2014, Chicago, Illinois, USA (Digital Poster)

3-Using Doppler Ultrasonography to Evaluate the Impact of Ice Collar on the Blood Flow of the Internal and External Carotid, Facial and Temporalis Arteris, RSNA 2016, Chicago, Illinois, USA (Oral presenter, Winner Travel Award)

4-Diagnostic Efficacy of Coronary Artery Three-Dimensional Steady-State Free Precession Magnetic Resonance Angiography in Comparison with Invasive Coronary Angiography for Detecting Coronary Artery Disease,ECR 2017,Vienna, Austria (Oral Presenter)

5-Assesing the Relation of Epicardial Fat Volume and Thickness, ECR 2017, Austria,Vienna (EPOS)

6-Association of Non Alcoholic Fatty Liver Disease with Increased Carotid Intima-Media Thickness Considering Other Cardiovascular Risk Factors,ECR 2018,Vienna,Austria(Oral Presentation)

7-Increased Signal Intensity of Dentate Nucleus in Multiple Sclerosis Patients with History of Higher Gadolinium-Enhanced MRI Scans,ECR2018, Vienna, Austria (Oral Presenter)

8-Perineural Spread of Fungal Sinonasal Infections: CT scan and MRI Findings, ECR 2018, Vienna, Austria (Oral Presenter)

9- Resting-State cardiac magnetic resonance perfusion imaging's accuracy in patients with coronary artery disease: a comparison with percutaneous angiography, ECR2018 (EPOS), Vienna, Austria

10-Rapid Fire Session, ASPNR 2022, New Orleans, USA (Oral Presenter)

## PUBLICATIONS

### RESEARCH PAPERS

#### RESEARCH PAPERS (PEER REVIEWED)

##### A. RESEARCH PAPERS – PEER REVIEWED

Ali Mohammadzadeh, Vahid Shahkarami, Majid Shakiba, Parto Sabetrakeh, **Maryam Mohammadzadeh**, Association of Non-Alcoholic Fatty Liver Disease with Increased Carotid Intima-Media Thickness Considering Other Cardiovascular Risk Factors,IJR, 16 (3), 07/2019

Amir Reza Radmard, Ali Gholamrezanezhad, Seyed Ali Montazeri, Amir Kasaeian, Nemat Nematollahy, R Molaei Langrudi, Reza Javad Rashid, Alireza Dehghan, Ali Hekmatnia, Ali Shakourirad, Masoud Pezeshki Rad, Reza Nafisi Moghadam, Hashem Sharifian, Ahmad Enhesari, Marzieh Aalinezhad, Ghazaleh Jamalipour Soufi, Alireza Shakibafard, **Maryam Mohammadzadeh**, Reza Jalli, Mehrdad Bakhshayeshkaram, Taraneh Faghihi Langroudi, Masoomeh Raoufi, Alireza Abrishami, Pooneh Dehghan, Hooman Bahrami-Motlagh, Hassan Hashemi, Morteza Sanei Taheri,A Multicenter Survey on the Trend of Chest CT Scan Utilization:Tracing the First Footsteps of COVID 19 in Iran,Archive of Iranian Medicine, 23 (11): 787-793, 11/2020

Masume Niazi, **Maryam Mohammadzadeh**, Kayvan Aghazadeh, Hashem Sharifian, Ebrahim Karimi, Majid Shakiba, Maria Baniasadi, Benyamin Rahmaty, Suzan Adel, Melorina Moharreri, Perfusion Computed Tomography Scan Imaging in Differentiation of Benign from Malignant Parotid Lesions,International Archive of Otolaryngology, 24 (2): 160-169 ,04/2020

**Maryam Mohammadzadeh**, Hakima Abdullah, Amineh Davoodian, Armin Akbari, Reza Erfanian,Assesing the Abilities of Senior Otolaryngology Residents and Graduated Otolaryngologists in Recognizing Skull Base Elements in Axial CT Scan: Proposing a New

Method for Differentiating Superior Orbital Fissure and Optic Canal, European Archives of Oto-Rhino-Laryngology, 278 (1): 203-209 ,06/2020

Hassan Hashemi, **Maryam Mohammadzadeh**, Mohammad Hossein Dianat, Amir Reza Azimi, Hamed Naghibi, Majid Shakiba, Kavous Firouznia, Comparison of Phase-Sensitive Inversion Recovery and Conventional Magnetic Resonance Imaging for Detection of Cortical Plaques in MS Patients,IJR,18 (3) ,07/2021

**Maryam Mohammadzadeh**, Zahra Sheibani, Majid Shakiba, Amir Reza Azimi, Arezou Hashemzadeh, Mojtaba Barzegar, Hamed Naghibi, Evaluation of the Effect of Multiple Linear Gadolinium-Based Contrast Agent Exposures on the Signal Intensity of the Dentate Nucleus in Multiple Sclerosis Patients,IJR,18 (4) ,10/2021

Edward H Lee, Jimmy Zheng, Errol Colak, **Maryam Mohammadzadeh**, Golnaz Houshmand, Nicholas Bevins, Felipe Kitamura, Emre Altinmakas, Eduardo Pontes Reis, Jae-Kwang Kim, Chad Klochko, Michelle Han, Sadegh Moradian, Ali Mohammadzadeh, Hashem Sharifian, Hassan Hashemi, Kavous Firouznia, Hossien Ghanaati, Masoumeh Gity, Hakan Doğan, Hojjat Salehinejad, Henrique Alves, Jayne Seekins, Nitamar Abdala, Çetin Atasoy, Hamidreza Pouraliakbar, Majid Maleki, S Simon Wong, Kristen W Yeom, Deep COVID DeteCT: an international experience on COVID-19 lung detection and prognosis using chest CT,Nature Digital Medicine,4 (1): 1-11, 01/2021

Michael Zhang, Samuel W Wong, Jason N Wright, Sebastian Toescu, **Maryam Mohammadzadeh**, Michelle Han, Seth Lummus, Matthias W Wagner, Derek Yecies, Hollie Lai, Azam Eghbal, Alireza Radmanesh, Jordan Nemelka, II Stephen Harward, Michael Malinzak, Suzanne Laughlin, Sebastien Perreault, Kristina RM Braun, Arastoo Vossough, Tina Poussaint, Robert Goetti, Birgit Ertl-Wagner, Chang Y Ho, Ozgur Oztekin, Vijay Ramaswamy, Kshitij Mankad, Nicholas A Vitanza, Samuel H Cheshier, Mourad Said, Kristian Aquilina, Eric Thompson, Alok Jaju, Gerald A Grant, Robert M Lober, Kristen W Yeom, Machine Assist for Pediatric Posterior Fossa Tumor Diagnosis: A Multinational Study,Neurosurgery, 89 (5): 892-900 ,11/2021

Michael Zhang, Elizabeth Tong, Sam Wong, Forrest Hamrick, **Maryam Mohammadzadeh**, Vaishnavi Rao, Courtney Pendleton, Brandon W Smith, Nicholas F Hug, Sandip Biswal, Jayne Seekins, Sandy Napel, Robert J Spinner, Mark A Mahan, Kristen W Yeom, Thomas J Wilson, Machine learning approach to differentiation of peripheral schwannomas and neurofibromas: A multi-center study,Neuro-Oncology, 24 (4): 601-609 ,04/2022

M Zhang, L Tam, J Wright, **M Mohammadzadeh**, M Han, E Chen, M Wagner, J Nemalka, H Lai, A Eghbal, CY Ho, RM Lober, SH Cheshier, NA Vitanza, GA Grant, LM Prolo, KW Yeom, A Jaju, Radiomics Can Distinguish Pediatric Supratentorial Embryonal Tumors, High-Grade Gliomas, and Ependymomas, AJNR, 43 (4): 603-610, 04/2022

**M Mohammadzadeh**, S Kolahi, M-M Mehrabi Nejad, K Firouznia, H Naghibi, A Mohammadzadeh, M Shakiba, F Mohebi, H Komaki, H Sharifian, H Hashemi, MH Harirchian, A Azimi, ME Adin, DM Yousem, Does Gadolinium Deposition Lead to Metabolite Alteration in the Dentate Nucleus? An MRS Study in Patients with MS, AJNR, 43 (10): 1403-1410, 10/2022

**Maryam Mohammadzadeh**, Reza Erfanian, Saman Rezaeian, Nasim Batavani, Behrooz Amirzargar, Jugular foramen versus hypoglossal canal in axial CT scan, BioMedicine, 13(1): 46–53, 03/2023

Edward H Lee, Brendan Kelly, Emre Altinmakas, Hakan Dogan, Errol Colak, Steve Fu, Olivia Choudhury, Ujjwal Ratan, Felipe Kitamura, Hernan Chaves, Mourad Said, Eduardo Reis, Jaekwang Lim, Patricia CT Yokoo, Corie Mitchell, Jimmy Zheng, **Maryam Mohammadzadeh**, Golnaz Houshmand, Wendy Qiu, Joel Hayden, Farnaz Rafiee, Chad Klochko, Nicholas Bevins, Simon S Wong, Safwan Halabi, Kristen W Yeom, AI Models Close to your Chest: Robust Federated Learning Strategies for Multi-site, Computer Science, 03/2023

B. RESEARCH PAPERS - PEER REVIEWED (IN PRESS) – None

C. RESEARCH PAPERS - PEER REVIEWED (SUBMITTED)-None

RESEARCH PAPERS (NON PEER REVIEWED)

D. RESEARCH PAPERS - NON PEER REVIEWED - None

E. RESEARCH PAPERS - NON PEER REVIEWED (IN PRESS) - None

F. RESEARCH PAPERS - NON PEER REVIEWED (SUBMITTED) – None

CASE REPORTS

Kayvan Aghazadeh, Benyamin Rahmaty, Ali Kouhi, Sasan Dabiri, Saeed Sohrabpour, **Maryam Mohammadzadeh**, Neda Jafari, Bilateral Facial Nerve Schwannoma: A Case Report and Review of the Literature, An International Journal of Otorhinolaryngology Clinics, 13 (2): 47-52 ,11/2021

Sadegh Moradian, Sina Delazar, Farzad Yazdani, **Maryam Mohammadzadeh**, Ectopic intrathyroidal thymic tissue in an adult patient: a case report and review of the literature, Journal of Medical Case Reports, 16 (1): 1-6, 05/2022

CHAPTERS –None

CHAPTERS (IN PRESS) -None

LETTERS TO THE EDITOR -None

Reviews

Ali Mohammadzadeh, Vahid Mohammadzadeh, Soheil Kooraki, Houman Sotoudeh, Sakineh

Michael Zhang, Elizabeth Tong, Sam Wong, Forrest Hamrick, Maryam Mohammadzadeh, Vaishnavi Rao, Courtney Pendleton, Brandon W Smith, Nicholas F Hug, Sandip Biswal, Jayne Seekins, Sandy Napel, Robert J Spinner, Mark A Mahan, Kristen W Yeom, Thomas J WilsonMichael Zhang, Elizabeth Tong, Sam Wong, Forrest Hamrick, Maryam Mohammadzadeh, Vaishnavi Rao, Courtney Pendleton, Brandon W Smith, Nicholas F Hug, Sandip Biswal, Jayne Seekins, Sandy Napel, Robert J Spinner, Mark A Mahan, Kristen W Yeom, Thomas J WilsonTop of Form

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