

NARGES AZIZI

MD | RESEARCH ASSOCIATE · MEDICAL IMAGING & NEUROIMAGING

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Advanced Diagnostic and Interventional Radiology (ADIR), Imam Khomeini Hospital Complex, 2nd Floor,
Keshavarz Boulevard, Tehran, Iran

Medical doctor and research associate with experience in neuroimaging, cerebral small-vessel and
glymphatic research, DTI/fMRI presurgical analysis, and systematic reviews and meta-analyses.

EDUCATION

Doctor of Medicine (MD) | Graduated 2023

Tehran University of Medical Sciences, Faculty of Medicine | GPA: 17.92/20

RESEARCH & IMAGING EXPERIENCE

Research Associate | 2023–Present

Advanced Diagnostic and Interventional Radiology Research Center, Imam Khomeini Hospital Complex,
Tehran University of Medical Sciences

Presurgical fMRI/DTI Planning & Analysis | 2025–Present

Neuroimaging and Analysis Group (NIAG), Imam Khomeini Hospital Complex

RESEARCH INTERESTS

Cognition • Cerebrovascular system • Glymphatic system • Neural circuits • Diffusion tensor imaging
(DTI) • Functional MRI (fMRI) • Diagnostic-accuracy meta-analysis

TECHNICAL & RESEARCH SKILLS

Imaging software FSL · FreeSurfer · ExploreDTI · ITK-SNAP · 3D Slicer

Programming & statistics R · Python · SPSS · STATA · Comprehensive Meta-Analysis · RevMan ·
Linux · Bash

Research methods Data collection, validation & curation · Study design · Scientific writing · Systematic
reviews & meta-analysis

Language English — Academic IELTS: 7.0

ONGOING RESEARCH PROJECTS

- Superficial white matter changes in Parkinson's disease
- Development of a novel glymphatic imaging score beyond DTI-ALPS
- Olfactory system features for predicting cognitive decline and Alzheimer's disease
- Curation of clinical data for interventional radiology procedures: brain aneurysms, arteriovenous malformations, and carotid stents

More than 20 invited manuscript reviews for journals including European Radiology, Academic Radiology, and the International Journal of Surgery.

PUBLICATIONS

01. **Azizi, N.**, Borooghani, H., Kiani, H., et al. DTI-ALPS as a Biomarker of Small Vessel Disease Progression and Amyloid- β in Normal Aging: A 3-Year Longitudinal Study. (2026).
02. Gharaylou, Z., **Azizi, N.**, Shahbodaghy, F., et al. Network-level and motor consequences of longitudinal perivascular diffusivity alterations indexed by DTI-ALPS in Parkinson's disease. (2026).
03. Katouli, F. S., Sarvari, M., Torabi, S., **Azizi, N.**, et al. Diagnostic Performance of Saline/Gel Sonovaginography in Assessment of Deep Infiltrating Endometriosis at Posterior Compartments: A Systematic Review and Meta-Analysis. (2026).
04. Galati, F., Katouli, F. S., Maroncelli, R., Barcaroli, G., **Azizi, N.**, et al. Diagnostic accuracy of contrast-enhanced mammography in evaluating breast cancer response to neoadjuvant therapy: a systematic review and meta-analysis. (2026).
05. **Azizi, N.**, Borooghani, H., Saravi, M. N., et al. Comparative Image Quality of Deep Learning Reconstruction Against Conventional Reconstruction for T2-weighted Prostate Imaging: A Systematic Review and Meta-Analysis. (2026).
06. Hosseini, S. M., Sohrabi-Ashlaghi, A., Kolahi, S., **Azizi, N.**, et al. Structural and diffusion imaging in olfactory-related brain regions in Parkinson's disease: predictors of clinical progression. (2025).
07. **Azizi, N.**, Issaiy, M., Jalali, A. H., et al. Perfusion-weighted MRI patterns in neuropsychiatric systemic lupus erythematosus: a systematic review and meta-analysis. *Neuroradiology*. (2025).
08. **Azizi, N.**, Naghibi, H., Shakiba, M., et al. Evaluation of MRI proton density fat fraction in hepatic steatosis: a systematic review and meta-analysis. *European Radiology*. (2025).
09. Akbarialiabad, H., Jamshidi, P., Aminzade, Z., **Azizi, N.**, et al. Leveraging space innovations for cancer breakthroughs on Earth. (2025).
10. Naghibi, H., Shakiba, M., **Azizi, N.** (corresponding author). Diagnostic performance of ultrasound attenuation imaging in detecting hepatic steatosis: a systematic review and meta-analysis. (2025).
11. **Azizi, N.**, Tootoonchi, N., Khorasanizadeh, F., et al. Ultrasound-guided hyaluronidase injections for the management of filler-induced arterial ischemia. (2025).
12. Sohrabi-Ashlaghi, A., **Azizi, N.**, Abbastabar, H., et al. Accuracy of radiomics-based models in distinguishing between ruptured and unruptured intracranial aneurysms: A systematic review and meta-analysis. *European Journal of Radiology*. (2024).
13. Kolahi, S., Zarei, D., Issaiy, M., Shakiba, M., **Azizi, N.**, et al. Choroid plexus volume changes in multiple sclerosis: insights from a systematic review and meta-analysis of magnetic resonance imaging studies. *Neuroradiology*. (2024).
14. Etesami, I., **Azizi, N.**, Sabrinejad, R., et al. Sonographic Skin Features and Shear Wave Elastography in Distinguishing Active from Inactive Morphea Lesions: A Case-control Study. *Journal of the American Academy of Dermatology (JAAD)*. (2024).
15. Khorasanizadeh, F., **Azizi, N.** (equal first author), Cannella, R., et al. An exploration of radiological signs in post intervention liver complications. *European Journal of Radiology*. (2024).
16. Rezaee, M., **Azizi, N.** (equal first author), Danaei, B., et al. TB and interstitial lung disease: a systematic review and meta-analysis. *The International Journal of Tuberculosis and Lung Disease*. (2024).
17. **Azizi, N.**, Zangiabadian, M., Seifi, G., et al. Gastric Cancer Risk in Association with Underweight, Overweight, and Obesity: A Systematic Review and Meta-Analysis. *Cancers*. (2023).

ACADEMIC REFERENCES

Prof. Kavous Firouznia, MD Principal Investigator, Diagnostic and Interventional Radiology Research Center, Tehran University of Medical Sciences | k_firouznia@yahoo.com

Prof. Mohammad-Reza Sohrabi, MD, MPH, PhD Head, Department of Community Medicine, Shahid Beheshti University of Medical Sciences | m.sohrabi@sbm.ac.ir