

## Special Issue

# MR Imaging in Screening, Prediction, and Follow-Up of Neurological Disorders

### Message from the Guest Editors

Neurological disorders cover a wide range of diseases, including brain tumors, epilepsy, multiple sclerosis, Parkinson's disease, Alzheimer's disease, cerebral palsy, etc. Despite important achievements in the field of the mentioned disorders, the main mechanisms of most are still unclear. Advances in magnetic resonance neuroimaging enable the development of novel approaches for investigating brain alteration with both structural and functional origins. The informative, meaningful, and descriptive information extracted from magnetic resonance imaging provides valuable knowledge about various neurological disorders, and plays an important role in the prognosis prediction of these disorders, and in early detection, screening, disease monitoring, assessing the treatment effects, managing the treatment, etc. In the present Special Issue entitled "MR Imaging in Screening, Prediction, and Follow-Up of Neurological Disorders" we intend to present an excellent overview of the current advanced methods that improve the quality of diagnosis and treatment in neurological disorders with the aid of magnetic resonance imaging approaches.

### Guest Editors

Dr. Hamidreza Saligheh Rad

Department of Medical Physics and Biomedical Engineering, Tehran University of Medical Sciences, Tehran, Iran

Dr. Vahid Malekian

Wellcome Centre for Human Neuroimaging, UCL Queen Square Institute of Neurology, University College London, London, UK

### Deadline for manuscript submissions

closed (31 August 2023)



## Brain Sciences

an Open Access Journal  
in the field  
of MDPI

Impact Factor 3.4  
CiteScore 6.0  
Indexed in PubMed



[mdpi.com/si/160380](https://mdpi.com/si/160380)

*Brain Sciences*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[brainsci@mdpi.com](mailto:brainsci@mdpi.com)

[mdpi.com/journal/  
brainsci](https://mdpi.com/journal/brainsci)





# Brain Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.4  
CiteScore 6.0  
Indexed in PubMed



[mdpi.com/journal/  
brainsci](https://mdpi.com/journal/brainsci)



## About the Journal

### Message from the Editor-in-Chief

You are invited to contribute a research article or a comprehensive review for consideration and publication in *Brain Sciences* (ISSN 2076-3425). *Brain Sciences* is an open access, peer-reviewed scientific journal that publishes original articles, critical reviews, research notes, and short communications on neuroscience. The scientific community and the general public can access the content free of charge as soon as it is published.

---

### Editor-in-Chief

Prof. Dr. Stephen D. Meriney

Department of Neuroscience, University of Pittsburgh, Pittsburgh, PA  
15260, USA

---

### Author Benefits

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, PSYINDEX, PsycInfo, CAPlus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q2 (Clinical Neurology) / CiteScore - Q2 (General Neuroscience)

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.8 days after submission; acceptance to publication is undertaken in 2.3 days (median values for papers published in this journal in the first half of 2026).