

Special Issue

Advances in Diagnosis and Management in Pediatric Neuro-Oncology

Message from the Guest Editors

Advances in pediatric neurosurgery diagnosis have revolutionized the identification and management of neurological disorders in children. Recent neuroimaging breakthroughs, such as high-resolution MRI, CT scans, and functional imaging, have enabled early and accurate detection of conditions ranging from brain tumors and vascular malformations to congenital anomalies and traumatic injuries. These advancements have improved differentiation between benign and malignant lesions, assessment of location and extent, and identification of critical neurological structures needing preservation during surgery. Additionally, advanced software and algorithms have facilitated precise analysis of imaging data, leading to more accurate diagnoses and prognoses. In summary, progress in diagnostic techniques has transformed the way neurological disorders are characterized in children, enabling earlier intervention, targeted therapies, and improved patient outcomes. This Special Issue invites contributions on current aspects of diagnosis and management in pediatric neurosurgery, including original research, experimental methodology, reviews, and perspectives.

Guest Editors

Dr. Mandana Behbahani

Department of Neurosurgery, Montefiore Medical Center and the Albert Einstein College of Medicine, Bronx, NY, USA

Dr. Allison M. Martin

Department of Pediatrics, Albert Einstein College of Medicine and Division of Pediatric Hematology, Oncology and Cellular Therapy, Children's Hospital at Montefiore, Bronx, NY, USA

Deadline for manuscript submissions

30 November 2025



Diagnostics

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 5.9
Indexed in PubMed



mdpi.com/si/219761

Diagnostics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
diagnostics@mdpi.com

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





Diagnostics

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 5.9
Indexed in PubMed



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



About the Journal

Message from the Editor-in-Chief

You are cordially invited to submit research articles, short communications, comprehensive reviews, case reports or interesting images for consideration and publication in *Diagnostics* (ISSN 2075-4418). *Diagnostics* is published in open access format – research articles, reviews and other contents are released on the Internet immediately after acceptance. The scientific community and the general public have unlimited and free access to the content as soon as it is published. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

Prof. Dr. Andreas Kjaer

Department of Clinical Physiology, Nuclear Medicine & PET National University Hospital, Rigshospitalet, University of Copenhagen, Blegdamsvej 9, DK-2100 Copenhagen, Denmark

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, Inspec, CAPIus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Medicine, General and Internal) / CiteScore - Q2 (Internal Medicine)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 21 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2025).