



Contribution of Eye Movements in Assessment of Deficits and Neurorehabilitation after a Stroke

Guest Editors:

Dr. Zoi Kapoula

1. CNRS Research Director,
Neurosciences, LIPADE
Laboratory, University of Paris,
75006 Paris, France
2. Leader of the Research Group
Eye Analytics & Rehabilitation,
Orasis-EAR, 75015 Paris, France

Prof. Dr. Frederick Robert Carrick

Professor of Neurology, College
of Medicine, University of Central
Florida, Orlando, FL 32827, USA

Deadline for manuscript
submissions:

1 November 2024

Message from the Guest Editors

Recent epidemiological studies reveal that more than 74% of stroke survivors experience deficits of vision, visual field reduction and eye movement problems that are not addressed. Vision relies on eye movements. Eye movements are important for vision, space perception, cognition, attention, body equilibrium, posture and control of any motor activity. Stroke can affect different neural circuits involved in programming and generating eye movements. Consequently, it is important to perform thorough examination of all types of eye movements to assess such problems, including eye movements during reading or visual search tasks. Importantly, all types of eye movements are gifted with neuroplasticity and can be improved via specific training or even completely restored.

The purpose of Special Issue is to bring together existing studies on eye movement functional exploration and rehabilitation in stroke patients. It aims to highlight the benefits of such approaches but also address the urgency to develop further everyday clinic eye movement neuro training in such patients and even prioritize treating eye movements first, as it will further enhance all other therapeutic approaches applied.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Stephen D. Meriney

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

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

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

Rapid Publication: manuscripts are peer-reviewed and a first decision is provided to authors approximately 12.9 days after submission; acceptance to publication is undertaken in 2.5 days (median values for papers published in this journal in the first half of 2024).

Contact Us

Brain Sciences Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/brainsci
brainsci@mdpi.com
[X@BrainSci_MDPI](https://twitter.com/BrainSci_MDPI)