Special Issue

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

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.

Guest Editors

Dr. Zoi Kapoula

Orasis-Eye Analytics & Rehabilitation Research Group, Spinoff CNRS, 12 Rue Lacretelle, 75015 Paris, France

Prof. Dr. Frederick Robert Carrick

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

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

mdpi.com/journal/brainsci

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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

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