



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

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### 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.





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