

Special Issue

New Studies on Stroke Care and Rehabilitation

Message from the Guest Editors

Brain injuries are the leading cause of disability in the world. They are divided into traumatic brain injuries and non-traumatic brain injuries, resulting from a closed injury to the head (stroke).

In the field of neurological rehabilitation, various proposals for treatments have been developed aimed at restoring the motor skills of the lower limb. The recovery of a safer, faster, and more correct walk is an essential requirement to allow the patient to regain autonomy in normal activities of daily life. The accumulation of evidence regarding the phenomena of neuroplasticity and functional reorganization in the adult brain after brain damage has led to the study of ways and means to evoke, improve, and guide it in order to allow neuro-motor rehabilitation of patients who have suffered a stroke. Rehabilitation techniques based on the concept of motor learning, such as the use of advanced biofeedback considered, exploiting the physiological phenomena of intrinsic neuroplastic recovery, educate the patient to regain nervous control over the plegic limbs and to adapt to a specific environmental context in order to allow the restoration of a function as normal as possible.

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