

Special Issue

Clinical Application of Physical Therapy in Neurorehabilitation

Message from the Guest Editors

The field of physical therapy has gained new perspectives for the treatment of motor disorders after central nervous system lesion (i.e., stroke, multiple sclerosis, traumatic brain injury, spinal cord injury). Both conventional and technology-aided interventions (e.g., robotics, virtual reality, non-invasive brain stimulation, telerehabilitation) have been proposed to restore motor functions, activities, and quality of life, with promising effects primarily tested in stroke patients so far. The aim of this Special Issue is to address a wide range of possible interventions in neurorehabilitation, both traditional and technologically supported, with a particular focus on the influence of relevant ingredients (dose, intensity, engagement, feedback used, quality of movement) on functional and global outcome. Moreover, the relevance of the rehabilitation setting (rehabilitation hospital, nursing skilled facility, clinic, home) will be covered, with the aim of exploring all the potential contributors along the lifespan, including the long-term management of motor disabilities and the promotion of self-management and empowerment of patients and caregivers in the recovery process.

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