

Neurological Rehabilitation

Neurological pathology is the most important cause of neurological disability. Strokes, traumatic brain injuries, spinal cord injuries have an increased mortality rate, which requires a complex medical approach and a work team.

Neurological rehabilitation is important to be applied from the beginning in the treatment of these pathologies. The methods used are diverse, the recovery starts from the first days with special kinetic programs, then, in the neurological departments, complex methods and techniques are used: like physical and kinetic procedures adapted to each patient.

Neurological rehabilitation includes a wide range of procedures that can be applied in a varied and complex way. Programs include different type of electrotherapy with muscular stimulation, robotics programs, functional stimulation, specific methods and techniques of kinetotherapy and occupational therapy.

The beneficiaries of these modern methods are patients with neurological diseases with motor deficit: strokes, Parkinson's disease, neurodegenerative diseases, but also patients with traumatic brain injury and spinal cord injury, peripheral neurological pathology including herniated disc.

This year, due to the situation of the Covid-19 pandemic, the neurological patients had a reduced addressability in the recovery services, imposed by the distancing and the sanitary norms.

However, using specific circuits, it was possible to achieve neurological recovery of these patients. Specific pharmacological therapies for the treatment of spasticity were used, using botulinum toxin associated with specific kinetic programs adapted to each patient.

Our purpose is to put together contributions from international researchers in this field: Original Research, Reviews, Case Report well documented, to share our medical experience.

Key words:

Neurological rehabilitation, Stroke, Parkinson, Traumatic brain injury, Spinal cord injury

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