



WEB OF SCIENCE™

NEUROPLASTICITY IN MEDICAL REHABILITATION

BUMBEA Ana MariaEditor: Constantin MUNTEANU, E-mail: office@bioclima.ro

Balneo and PRM Research Journal

DOI: <http://dx.doi.org/10.12680/balneo.2021.452>

Vol.12, No.3 September 2021

p: L12

Corresponding author: **BUMBEA Ana Maria**, E-mail: anamariabumbea@yahoo.com

University of Medicine and Pharmacy Craiova

Abstract

Objectives. Neuroplasticity is a relatively new in the field of medical rehabilitation and requires increased attention. The approached topic brings to attention actual methods in stimulating the process of neuroplasticity in neurological rehabilitation.

Material and metho. Neuroplasticity can be approached in several ways. However, there are clear steps that must be followed and performed in order to obtain a maximum response. The presented material highlights current techniques through which it is possible to intervene in the stimulation and modeling of the neuroplasticity process by peripheral biofeedback or by central techniques such as magnetic stimulation or the application of continuous current.

Results. The data published so far are encouraging. However, it should be noted that the results are all the better as the techniques are started as soon as possible from the onset of the motor deficit.

Conclusions. Current peripheral stimulation techniques with central echo or directly central techniques. Neuroplasticity is the main goal in neurological rehabilitation through modern peripheral stimulation techniques with response at the central level or directly by central techniques.