



Clinical Updates and Perspectives on Transcranial Magnetic Stimulation (TMS)

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Message from the Guest Editor

Transcranial Magnetic Stimulation (TMS) has allowed us to learn a great deal about the motor system in humans both in healthy and in pathological conditions up to manipulate neural activities in a non-invasively view. TMS is a neurophysiological looking-glass for detect reorganization of brain circuitries in pathological conditions such as stroke, depression and brain neurodegenerative diseases. More recently new data revealed its capability to notice subclinical patterns in sleep disorders or metabolic disorders. This special issue will provide a collection of articles and overviews about current and future trends in TMS.

Potential topics:

New diagnostic strategies of TMS

New stimulators, devices and models to stimulate brain

Non-invasive neuromodulation and combined

neuromodulation and combined

Actual and future role of TMS in behavior and psychiatric disorders

Neuroimaging and neurophysiological biomarkers of altered functional connectivity and synaptic transmission (investigated through MRI, EEG, transcranial magnetic stimulation)

Frontiers in farmaco-TMS

Food and brain stimulation

Safety, side-effects and risks management in the TMS laboratory





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