

Special Issue

Clinical Application of Transcranial Magnetic Stimulation (TMS)

Message from the Guest Editor

Transcranial magnetic stimulation (TMS) has evolved from a research tool to a highly standardized technique that can be used in daily clinical routines. Through its non-invasiveness and when combined with neuronavigation (nTMS), the technique per se offers multiple options regarding the diagnostics, therapy, or rehabilitation of patients suffering from various pathologies. Apart from my own focus on the pre-, intra-, and postoperative clinical application of nTMS in neurosurgery, several types of medical professionals. The purpose of this Special Issue is to give a comprehensive overview summarizing the latest research on the clinical application of TMS for 1) cortical brain mapping and monitoring of functionality, 2) its use as a basis for anatomical tractography or connectome analysis, 3) therapy of neurological and psychiatric diseases, pain and further pathologies, 4) support and therapy during neurorehabilitation, 5) the impact on the patients' clinical, functional, or oncological outcome, 6) as well as the visualization of functional reorganization or therapy effects.

Guest Editor

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