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Movement Analysis and Electrophysiology in Neurological Pathologies

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Message from the Guest Editors

Electrophysiological studies can provide objective and quantifiable assessments of movement in patients with neurological disorders, and are especially useful in the diagnosis and treatment of hyperkinetic disorders (tremors and myoclonus), postural deficits, and gait alterations. The most used measurement tools are surface electromyography (sEMG) and electroencephalography (EEG) which can support and confirm clinical observations by providing a detailed evaluation of the patient's function, confirming the diagnostic hypothesis, and verifying the efficacy of the treatment, in order to build a personalized rehabilitation program based on the patient's needs. This Special Issue aims to collect papers based on electrophysiological evaluations in the field of movement analysis in patients suffering from neurological pathologies. In addition, we will include new approaches and techniques applicable to movement disorders, for the diagnosis and evaluation of neurological pathologies.



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Special Issue



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Message from the Editor-in-Chief

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