

Special Issue

Movement Analysis and Electrophysiology in Neurological Pathologies

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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Deadline for manuscript submissions

closed (25 March 2025)



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CiteScore 6.0
Indexed in PubMed



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Life (ISSN 2075-1729) is an international, peer-reviewed open access journal that publishes scientific studies related to fundamental themes in life sciences. Some papers are published individually, while others are submitted for inclusion in special issues with guest editors. You are invited to contribute a research article, essay, or a review to be considered for publication.

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