Special Issue

Sensors in Neurophysiology and Neurorehabilitation

Message from the Guest Editor

The recovery of motor function after neural damage is difficult to predict. Patients with similar initial motor impairment may achieve widely disparate levels of motor function and independence. Being able to predict functional motor outcomes could help clinicians, patients, and families to set appropriate rehabilitation goals and make suitable plans for the level of support the patient is likely to need after discharge from hospital. However, making accurate predictions for individual patients based on clinical experience or on actual clinical assessment tools alone can be difficult.

This Special Issue is addressed to all types of neurophysiology and neurorehabilitation sensors designed for motor control assessment and monitoring that could help the establishment of motor control dysfunction diagnosis and recovery prognosis and could also assist or guide the rehabilitation process in cases of central nervous system injury. Other conditions that lead to motor control impairment could also be considered.

This topic fits in the following scope of Sensors:
Smart/intelligent sensors;
Biosensors;
Wearable sensors, devices and electronics;
MEMS/NEMS;
Remote sensors.

Guest Editor

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Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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