Special Issue

Intraoperative Neurophysiology: New Perspectives and Clinical Applications

Message from the Guest Editors

- Intraoperative neurophysiology (IONM) is a vital discipline that monitors the nervous system's integrity during surgery. Driven by technological innovation, including AI and machine learning, its application has expanded beyond neurosurgery into diverse specialties.

- This Special Issue, "Intraoperative Neurophysiology: New Perspectives and Clinical Applications", seeks to disseminate cutting-edge research shaping the field's future. The goal is to create a platform for discussion and inspire new practices globally.

- Submissions are invited on topics such as technological innovations, emerging applications in non-traditional surgeries, multimodal monitoring, advanced data analysis, and clinical neuroscience contributions. The issue welcomes original research, reviews, and perspective articles from researchers, clinicians, surgeons, and neurophysiologists. This collection aims to be a vital resource for professionals managing surgical patients at neurological risk, and the editors look forward to receiving valuable contributions that will advance the field.

Guest Editors

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Message from the Editor-in-Chief

Biomedicines (ISSN 2227-9059) is an open access journal devoted to all aspects of research on human health and disease, the discovery and characterization of new therapeutic targets, therapeutic strategies, and research of naturally driven biomedicines, pharmaceuticals, and biopharmaceutical products. Topics include pathogenesis mechanisms of diseases, translational medical research, biomaterial in biomedical research, natural bioactive molecules, biologics, vaccines, gene therapies, cell-based therapies, targeted specific antibodies, recombinant therapeutic proteins, nanobiotechnology driven products, targeted therapy, bioimaging, biosensors, biomarkers, and biosimilars. The journal is open for publication of studies conducted at the basic science and preclinical research levels. We invite you to consider submitting your work to Biomedicines, be it original research, review articles, or developing Special Issues of current key topics.

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