Special Issue

Neurophysiology of Botulinum Toxins in Clinical Practice

Message from the Guest Editor

Botulinum neurotoxin (BoNT) is one of the most powerful toxins in nature, and is a polypeptide produced by different serotypes of the bacterium (*Clostridium botulinum*) that are now well identified. Serotypes A and B are largely used in clinical practice to treat different neurological diseases characterized by neuromuscular hyperactivity, autonomic dysfunction, pain syndrome, and so on. The aim of this Special Issue is to review the role of neurophysiology in BoNT poisoning in humans. Preliminarily, the electrophysiological findings in wound botulism will be reviewed . Then, the neurophysiological features of BoNT treatment will be revised for: improving the clinical strategy of BoNT injections; detecting local or systemic effects in the PNS and CNS; quantifying the effect of BoNTs on autonomic or nociceptive fibers; detecting adverse local or distant side effects and evaluating true BoNT-resistant subjects.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

Toxinology is an incredibly diverse area of study, ranging from field surveys of environmental toxins to the study of toxin action at the molecular level. The editorial board and staff of *Toxins* are dedicated to providing a timely, peer-reviewed outlet for exciting, innovative primary research articles and concise, informative reviews from investigators in the myriad of disciplines contributing to our knowledge on toxins. We are committed to meeting the needs of the toxin research community by offering useful and timely reviews of all manuscripts submitted. Please consider *Toxins* when submitting your work for publication.

Editor-in-Chief

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