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Neurophysiology of Botulinum Toxins in Clinical Practice

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Deadline for manuscript submissions:
closed (31 January 2022)

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.

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Message from the Editor-in-Chief

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Journal Rank: JCR - Q1 (Toxicology) / CiteScore - Q1 (Toxicology)

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