Special Issue

Botulinum Toxin in Neuromodulation: Current Advances in Migraine Treatment

Message from the Guest Editor

BoNT-A efficacy in migraine is believed to be linked to modulation of the nociceptive pathways, achieved through the inhibition of neuropeptide release (such as CGRP, substance P, and glutamate) at the peripheral and possibly central level. By interfering with neurogenic inflammation and peripheral sensitization, BoNT-A contributes to reducing the frequency and intensity of migraine attacks, opening new avenues in the field of neuromodulation. This Special Issue aims to explore the current advances, clinical applications, and mechanistic insights regarding botulinum toxin in the treatment of migraine. Topics of interest include (but are not limited to):

- Mechanisms of action in migraine pathophysiology
- Clinical efficacy in chronic and episodic migraine
- Emerging injection techniques and neuromodulation protocols
- Patient stratification and personalized treatment approaches
- Combination therapies (e.g., with CGRP antagonists or neuromodulation devices)
- Safety profile, tolerability, and long-term outcomes

Guest Editor

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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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