

Special Issue

Application of Botulinum Neurotoxin in Headache or Facial Pain Disorders

Message from the Guest Editor

The story of botulinum toxin in migraine care is one of clinical observation leading to scientific discovery. In the early 1990s, clinicians noted that patients receiving botulinum toxin for cosmetic indications often reported unexpected headache improvement. Anecdotal evidence evolved into rigorous research, establishing botulinum toxin as the first non-oral preventive therapy approved for chronic migraine. Since its approval, botulinum toxin has reshaped prevention, offering a vital alternative for patients intolerant or unresponsive to conventional oral therapies. Its emergence has also deepened our understanding of migraine as a disorder of dysfunctional pain processing rather than solely a vascular phenomenon. This Special Issue traces neurotoxins in migraine treatment from early observations to current practice. We examine insights into migraine pathophysiology and mechanisms by which neurotoxins modulate peripheral and central pain pathways for sustained benefit. We also review safety, durability of response, and long-term outcomes in patients living with migraine.

Guest Editor

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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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