



Botulinum Toxin Treatment for Pain and Inflammation in Functional Urological Disorders

Guest Editor:

Prof. Dr. Hann-Chorng Kuo

Department of Urology, Hualien Tzu Chi Hospital, Tzu Chi Medical Foundation, Buddhist Tzu Chi University, Hualien 970473, Taiwan

Deadline for manuscript submissions:

closed (31 December 2019)

Message from the Guest Editor

The botulinum toxin has been widely applied in the treatment of functional urological diseases, such as overactive bladder, neurogenic detrusor overactivity, interstitial cystitis, and chronic pelvic pain syndrome. Inflammation in the central nervous system can be reduced after botulinum toxin treatment. The scope of therapeutic targets involves detrusor overactivity; sensory disorders; bladder pain and pelvic pain; and inflammatory disorders at the bladder, prostate, and bladder outlet. Although the actual pathophysiological mechanism of the action of the botulinum toxin has not been completely demonstrated, an anti-inflammation effect might be the predominant therapeutic mechanism for functional urological disorders such as an overactive bladder, bladder hypersensitivity, interstitial cystitis, chronic pelvic pain syndrome, chronic prostatitis, and lower urinary tract symptoms/benign prostatic hyperplasia. This Special Issue will cover the therapeutic potentials of the botulinum toxin on lower urinary tract dysfunctions, with emphasis on the mechanism of pharmacological action and clinical effects.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Jay Fox

Department of Microbiology,
University of Virginia,
Charlottesville, VA, USA

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.

Author Benefits

Open Access: free for readers, with **article processing charges (APC)** paid by authors or their institutions.

High Visibility: indexed within **Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Embase, CAPlus / SciFinder, AGRIS, and other databases.**

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

Contact Us

Toxins Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/toxins
toxins@mdpi.com
[X@Toxins_Mdpi](#)