

Special Issue

Neuropathic Pain: Pathophysiology, Diagnosis and Treatment

Message from the Guest Editors

Neuropathic pain—pain resulting from a lesion or disease of the nervous system—has long been recognized as a complex clinical challenge. In recent decades, advances in understanding neuropathic pain pathophysiology—from molecular mechanisms to central neural plasticity—are shedding new light and enabling improved diagnosis and therapy. This Special Issue of *Brain Sciences* aims to showcase cutting-edge research on the pathophysiology, diagnosis, and treatment of neuropathic pain. We especially welcome studies utilizing advanced diagnostic tools (e.g., neuroimaging, infrared thermography, and AI-based analysis) aimed at enhancing the detection and assessment of neuropathic pain. Our goal is to bridge basic science and clinical practice by exploring innovative interventions for neuropathic pain. We invite original research articles (clinical or preclinical), comprehensive review papers, and case reports or case series. Topics of interest include novel mechanisms and biomarkers of neuropathic pain, advances in diagnostic criteria and imaging techniques, emerging pharmacological and neuromodulation therapies, and rehabilitative strategies to improve patient outcomes.

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Message from the Editor-in-Chief

You are invited to contribute a research article or a comprehensive review for consideration and publication in *Brain Sciences* (ISSN 2076-3425). *Brain Sciences* is an open access, peer-reviewed scientific journal that publishes original articles, critical reviews, research notes, and short communications on neuroscience. The scientific community and the general public can access the content free of charge as soon as it is published.

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