

Special Issue

Concussion and Its Rehabilitation

Message from the Guest Editors

Concussion, a form of mild traumatic brain injury (mTBI), represents a major public health concern due to its high incidence and potential for long-term symptoms, including cognitive, emotional, and physical impairments. Although traditionally considered a transient injury, a significant subset of patients experiences prolonged recovery, highlighting the need for improved understanding and targeted rehabilitation strategies. This Special Issue seeks to consolidate current research and clinical advancements in the diagnosis, treatment, and rehabilitation of concussion. Emphasis will be placed on the pathophysiological mechanisms of injury, identifying predictive factors for recovery, and developing innovative neurorehabilitation techniques and interdisciplinary approaches to managing persistent symptoms. We welcome contributions exploring neuroimaging biomarkers, digital and wearable technologies, neurocognitive therapies, exercise-based interventions, and AI-driven diagnostic tools. Studies focusing on vulnerable populations, such as athletes, military personnel, and children, are particularly encouraged.

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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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