

Special Issue

Recent Advances in Brain Injury: From Pathophysiology to Therapy

Message from the Guest Editors

Traumatic brain injury (TBI) is an injury to the brain due to an external force or blow to the head which results in brain functional impairment. As per the CDC (CDC.gov/TBI), there were more than 200,000 TBI-related hospitalizations and 69,000 TBI-related deaths reported in 2021. TBI is categorized into three types based on insult (1) closed head (motor crash, falls, and sports), (2) penetrating (foreign body/material penetration through the skull), and (3) blast explosions (on battlefields or in terrorist attacks). These insults to the brain cause primary injury (direct and immediate impact from mechanical force) followed by secondary injury (slow and progressive damage over the years). Personnel or patients manifest various symptoms ranging from headache to behavioral abnormalities and loss of consciousness after traumatic events, and these symptoms last from hours to years. We would also like to invite you to submit a review or research article to the current Special Issue to improve the understanding of TBI for better treatment.

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