



an Open Access Journal by MDPI

Pediatric Neurocritical Care and Neurotrauma Recovery

Guest Editors:

Dr. Cydni Williams

Department of Pediatrics, Division of Critical Care, Pediatric Critical Care and Neurotrauma Recovery Program, Oregon Health & Science University, Portland, OR, USA

Dr. Trevor Hall

Department of Pediatrics, Division of Pediatric Psychology, Pediatric Critical Care and Neurotrauma Recovery Program, Oregon Health & Science University, Portland, OR, USA

Deadline for manuscript submissions: closed (31 October 2022)

Message from the Guest Editors

Dear Colleagues,

The field of pediatric neurocritical care is rapidly expanding thanks advancements in neuromonitoring. to neurointervention, and neurorecovery, but more research is needed to optimize outcomes. Though mortality rates have steadily declined in pediatric critical care populations, children with acquired brain injuries from a variety of etiologies remain at high risk of mortality and long-term morbidity. Survivors experience challenges in the physical, cognitive, emotional, and social domains termed post-intensive care syndrome (PICS). Despite these risks, research in pediatrics lags behind adult populations regarding the optimal inpatient monitoring and intervention needed to improve recovery. Research on long-term outcomes is scarce for many pediatric neurocritical care diagnoses, and the use of robust. This Special Issue's focus is on all aspects of pediatric neurocritical care from inpatient care through outpatient recovery. We particularly highlight novel and ongoing research on advanced neuromonitoring and neurorecovery in pediatric neurocritical care, seeking to improve our understanding of PICS outcomes.



