



**Acquired
Brain Injury
Network**

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Conference Presentation Abstract ~ Workshop

Date/Time/Room: Monday, November 3, 2008 2:25 pm – 3:10 pm Tom Thomson

Abstract ID: 4c

Title:

Integration of Intensive Care, Rehabilitation and Long Term Follow-up in Children with Traumatic Brain Injury

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Presenter:

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Summary:

We have recently developed guidelines for acute care of children with severe traumatic brain injury (submitted for publication CMAJ). These guidelines were developed following systematic reviews of the literature on 14 topics. Following this 14 pediatric intensive care physicians (11 pediatricians and 3 anesthesiologists), 4 neurosurgeons, 1 anesthesiologist (non-intensivist), 1 emergency room physician, and 1 nurse involved in the acute management or research of pediatric patients with severe traumatic brain injury interpret the systematic reviews and develop consensus statements.

Following this a working group of bedside nurses, physicians, pharmacists, dieticians and a physiotherapist reviewed the literature further and developed practical guidelines that were implemented in the Pediatric Intensive Unit at SickKids Hospital Toronto.

A systematic review of the literature on rehabilitation of patients (including children) with moderate to severe brain injuries has recently been published by Ontario investigators funded by the ONF. (1)

Outcomes/Objectives:

We propose to bring these pediatric groups together to develop comprehensive guidelines for both acute and long term care.

The goal will be to provide recommendations for continuous care so that there is proper attention to both acute care issues, communication of prognosis to parents and comprehensive rehabilitation and neuropsychological follow-up when indicated. This will help us to make further recommendations for provision of adequate resources for children with traumatic brain injury and their families.

(1) Teasell R, Bayona N, Marshall S, et al. A systematic review of the rehabilitation of moderate to severe acquired brain injuries. *Brain Inj.* 2007;21:107-12.