

1. Record Nr.	UNINA9910792431303321
Titolo	Pediatric traumatic brain injury : new frontiers in clinical and translational research // edited by Vicki Anderson, Keith Owen Yeates [[electronic resource]]
Pubbl/distr/stampa	Cambridge : , : Cambridge University Press, , 2010
ISBN	0-511-73963-X 1-107-20833-5 1-282-53622-2 9786612536229 0-511-67857-6 0-511-67731-6 0-511-68180-1 0-511-68378-2 0-511-67638-7 0-511-67982-3
Descrizione fisica	1 online resource (viii, 235 pages) : digital, PDF file(s)
Collana	Cambridge medicine Pediatric traumatic brain injury
Disciplina	618.92/8
Soggetti	Brain-damaged children Brain-damaged children - Rehabilitation
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from publisher's bibliographic system (viewed on 05 Oct 2015).
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Introduction: Pediatric traumatic brain injury : new frontiers in clinical and translational research / Vicki Anderson and Keith Owen Yeates -- Biomechanics of pediatric TBI / Susan S. Margulies and Brittany Coats -- Neurobiology of TBI sustained during development / Mayumi L. Prins, Christopher C. Giza, and David A. Hovda -- Using serum biomarkers to diagnose, assess, treat, and predict outcome after pediatric TBI / Rachel P. Berger [and others] -- Clinical trials for pediatric TBI / P. David Adelson -- Advanced neuroimaging techniques in children with traumatic brain injury / Stephen Ashwal [and others] -- Neurobehavioral outcomes of pediatric mild traumatic brain injury / Michael W. Kirkwood and Keith Owen Yeates -- Very long-term

neuropsychological and behavioral consequences of mild and complicated mild TBI : increased impact of pediatric versus adult TBI / Erik Hessen -- Neurobehavioral outcomes of pediatric traumatic brain injury / H. Gerry Taylor -- Neuropsychological rehabilitation in children with traumatic brain injuries / Ingrid van't Hooft -- Psychosocial interventions / Shari L. Wade -- Pediatric TBI : challenges for treatment and rehabilitation / Cathy Catroppa and Vicki Anderson -- Integrating multidisciplinary research for translation from the laboratory to the clinic / Bryan Kolb and Robbin Gibb.

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Sommario/riassunto

Traumatic brain injury (TBI) is a leading cause of death and disability in children and adolescents around the world and represents a global public health issue. Major improvements in the medical treatment of the initial injury have increased survival rates resulting in the focus shifting to consider the subsequent and longer-term cognitive, emotional and behavioral consequences for the recovering child or adolescent. These disabilities, if left untreated, continue into adulthood with consequent economic and societal costs. This book reviews the research into the consequences of TBI emphasizing the translation of new understanding into effective treatments and interventions, and identifying promising areas for further study. This will be essential reading for neuropsychologists, neurologists, psychiatrists, clinical psychologists and pediatricians.

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