

1. Record Nr.	UNINA9910824523703321
Titolo	Understanding traumatic brain injury : current research and future directions // edited by Harvey S. Levin, David H. K. Shum & Raymond C. K. Chan, Vicki Anderson [and forty two others]
Pubbl/distr/stampa	New York : , : Oxford University Press, , 2014 ©2014
ISBN	0-19-938963-2 0-19-938948-9
Descrizione fisica	1 online resource (486 p.)
Altri autori (Persone)	LevinHarvey S ShumDavid ChanRaymond C. K AndersonVicki
Disciplina	617.481044
Soggetti	Brain - Wounds and injuries
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Cover; Understanding Traumatic Brain Injury: Current Research and Future Directions; Copyright; Contents; Preface; Acknowledgments; Contributors; Part I Introduction; 1 Recent Advances in Traumatic Brain Injury Research: Introduction; 2 Traumatic Brain Injury: Some History and Some Epidemiology; 3 Traumatic Brain Injury Disease : Long-term Consequences of Traumatic Brain Injury; Part II Neuropsychological Functions; 4 Attentional Problems after Traumatic Brain Injury; 5 Memory Impairments after Traumatic Brain Injury; 6 Executive Function Impairments after Traumatic Brain Injury 7 High-Level Language in Traumatic Brain Injury: Promising Metrics to Advance Brain Repair8 Disorders of Emotion and Social Cognition Following Traumatic Brain Injury; Part III Outcomes and Rehabilitation; 9 Measuring Outcomes Using the International Classifi cation of Functioning, Disability and Health (ICF) Model, with Special Reference to Participation and Environmental Factors; 10 Short and Long-Term Outcomes in Survivors of Traumatic Brain Injury; 11 Cognitive

Rehabilitation Following Traumatic Brain Injury; 12 Community Adjustment and Re-engagement
13 The Neurobiological Basis of Pharmacological Approaches for Patients with Traumatic Brain Injury
Part IV Methodological and Technological Advances; 14 Advanced Neuroimaging in Traumatic Brain Injury; Part V Special Populations; 15 Children and Adolescents; 16 Traumatic Brain Injury in Older Adults: Does Age Matter?; 17 Mild Traumatic Brain Injury; 18 Blast-Related Traumatic Brain Injury: Pathophysiology, Comorbidities, and Neurobehavioral Outcomes; Part VI Future Opportunities and Challenges; 19 Future Challenges; INDEX; Plates

Sommario/riassunto

This timely book reports recent progress in research on traumatic brain injury (TBI) by leading investigators encompassing translational and clinical studies. The text covers epidemiology, pathophysiology, brain imaging, cognition, behavioral sequelae, and clinical trials of innovative treatments, including new approaches to rehabilitation. The range of TBI mechanisms represented in this cutting-edge book includes closed head trauma and blast-related injury, and the spectrum of TBI severity. Chapters offer a developmental perspective, including the effects of TBI on cognitive development in ch
