



## Book Reviewer

### *Manual of Traumatic Brain Injury: Assessment and Management. 2<sup>nd</sup> Ed.*

Edited by Felise S. Zollman. Demos Medical Publishing, 2016. 585 pages. \$90.00  
ISBN: 9781620700938. E-book ISBN: 9781617052699.

Injury is the leading cause of death for all individuals aged 1 to 45 years. The 2010 data from the Center for Disease Control and Prevention (CDC) shows that 1.7 million people annually suffer traumatic brain injuries (TBI), 52,000 deaths, 275,000 hospital admissions and 1.4 million ED visits. TBI has a broad spectrum of severity, pathology, physiology, cellular and molecular derangement leading to structural, functional and psychological disturbances with various consequences. It can be defined as transient/temporary or persistent brain dysfunction, occurring as the result of head movement and/or collision between the head and an object or surface that causes suprathreshold loading to the brain, as a continuum of events, from traumatic insult to the primary injury and secondary injury to the clinical outcome. TBI results in cognitive, physical and psychosocial impairments that present barriers to return to work or normal life. TBI affects not only just the financial status of the survivor, but also of the entire family and the society as well.

This 2<sup>nd</sup> edition consists of 71 chapters which have all been revised with several new chapters added to reflect current knowledge base of 2016 from clinical content to additional reading recommendations. Each chapter has a key point section intended to focus the reader's attention on the most critical content. The book was written by 103 contributors with various expertise and has been organized into 5 sections. Part 1 introduces the core concepts such as basic essentials providing a context for clinical decision-making.

Part 2 focuses on mild TBI including comprehensive approaches from natural history, to initial management and subsequent management for post concussion syndrome, spot concussion, etc. Part 3 illustrates moderate to severe TBI, its pre-hospital care, ICU management, rehabilitation, cognitive and behavioral impairment, challenges with sexuality, and community reintegration. Part 4 covers complications and long-term sequelae, a variety of topics such as posttraumatic epilepsy, hydrocephalus, chronic cognitive, behavioral and motor impairment. Part 5 describes special consideration, TBI resources and selected population such as age (pediatrics and geriatrics), injury environment, return to work, complementary and alternative treatment, ethical and medicolegal issues associated with TBI.

This book is written to introduce the readers to a “handbook” as a practical but relatively comprehensive evidence-based review of TBI from basic concepts to clinical management including diagnosis, treatment, and recovery. It contains abundant information available for professionals including trainees, paramedics, physical therapists, psychologists and experience physicians. The drawbacks of this book are some conflict epidemiologic data regarding TBI and its co-morbidities, and some differences in conceptions and definitions of TBI entities. Nevertheless, I believe that this book will be a useful reference for healthcare professionals, , and caregivers, to meet their clinical needs concerning the impacts and consequences of TBI.

Reviewed by Jin Jun Luo, MD, PhD  
The author reports no disclosures