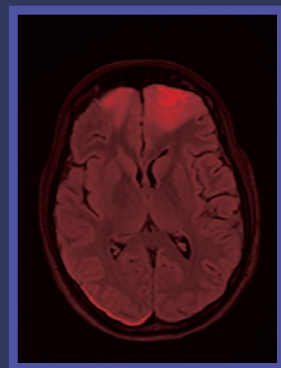
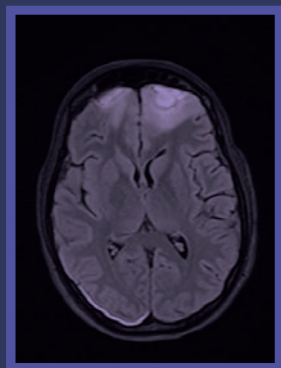
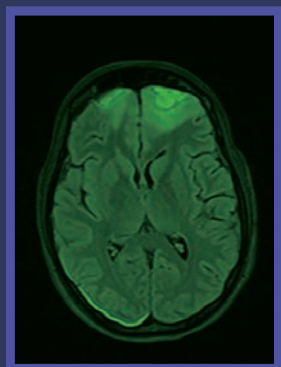
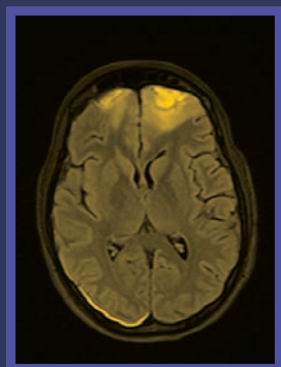


FELISE S. ZOLLMAN

MANUAL OF  
TRAUMATIC  
BRAIN INJURY  
MANAGEMENT



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# **Manual of Traumatic Brain Injury Management**

# Manual of Traumatic Brain Injury Management

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# Preface

The occurrence—and varied manifestations—of traumatic brain injury (TBI) has garnered a great deal of attention in recent years. From sports concussion to severe injuries resulting from motor vehicle collisions or falls to brain injury in the military, issues facing providers caring for those with TBI are wide-ranging and complex. The *Manual of Traumatic Brain Injury Management* has been developed to address the varied needs of clinicians who work with individuals who have sustained a traumatic brain injury. What makes this book unique is that, as a pocket guide, it is designed to provide relevant clinical information in a succinct, readily accessible format. For readers who wish to understand a particular subject in more depth, each chapter concludes with a short list of web-based resources, seminal journal articles, and pertinent textbooks for further exploration.

This book is organized into six parts. Part 1 provides an introduction to core concepts in TBI. Part 2 addresses the epidemiology of TBI as well as injury prevention. Part 3 covers the spectrum of issues pertaining to mild traumatic brain injury (MTBI), including sports concussion, long term sequelae of MTBI, post-concussion disorder, and the co-occurrence of MTBI and post-traumatic stress disorder. Part 4 focuses on moderate to severe TBI, including the spectrum of acute care issues, from pre-hospital care to neurosurgical and intensive care unit management to the transition to the next level of care (e.g., inpatient rehabilitation) and the role of members of the rehabilitation team in caring for those with TBI. Management of the cognitive, behavioral and affective manifestations of TBI is addressed, as is prognosis after TBI and community reintegration. Part 5 discusses TBI-related medical complications, such as posttraumatic seizures, endocrine dysfunction, and spasticity. Finally, Part 6 addresses special considerations in TBI management, including TBI in the military, pediatric TBI and TBI in the older adult, use of complementary and alternative medicine modalities in TBI, and recommended additional resources for TBI survivors and their providers. The final chapter offers a unique perspective: living with TBI from a survivor's point of view.

This manual is intended to be relevant to a broad audience, including neurologists, physiatrists, primary care physicians, and physicians-in-training, who will find the practical, medical management focus to be easy to access and implement. Other healthcare providers, from therapists and nurses to social workers and case managers, will find the succinct discussion of various aspects of multidisciplinary care, community resource information, neuropsychiatric, legal and ethical aspects of TBI care to be particularly valuable.

It is my hope that the *Manual of Traumatic Brain Injury Management* will serve as a concise, easy-to-access resource that provides readers with “just enough” information to suit their particular needs. For the user who desires quick access to core concepts, the text will serve as a comprehensive stand-alone resource. If more in-depth understanding of a topic is desired, the “Additional Reading” section at the end of each chapter will provide pointed expert recommendations for further exploration. Ultimately, this pocket guide can serve as both a self-contained resource and as a portal to a comprehensive exploration of the many facets of management of traumatic brain injury.

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**PART 1**

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**Core Concepts**

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