ESSENTIAL ARTICLES OF PM&R

BRAIN INJURY

Authors:
Gerard Francisco, MD
Flora Hammond, MD

General (including epidemiology and pathology):
Neurobiological consequences of traumatic brain injury.

Neural bases of recovery after brain injury.

Principles of experience-dependent neural plasticity: implications for rehabilitation after brain damage.


Traumatic brain injury: a disease process, not an event.

Changing patterns in the epidemiology of traumatic brain injury.


Early management of severe traumatic brain injury.


Aging with traumatic brain injury: cross-sectional follow-up of people receiving inpatient rehabilitation over more than 3 decades.
Sendroy-Terrill M, Whiteneck GG, Brooks CA. Archives of physical medicine and rehabilitation 2010;91(3):489-497.

**Does an early onset and continuous chain of rehabilitation improve the long-term functional outcome of patients with severe traumatic brain injury?**

**Biomarkers of mild traumatic brain injury in cerebrospinal fluid and blood.**

**Military:**
**Blast-related traumatic brain injury.**

**A review of paroxysmal sympathetic hyperactivity after acquired brain injury.**

**Rehabilitation of traumatic brain injury in active duty military personnel and veterans:**
**Defense and Veterans Brain Injury Center randomized controlled trial of two rehabilitation approaches.**

**Detection of blast-related traumatic brain injury in US military personnel.**

**Mild traumatic brain injury in U.S. Soldiers returning from Iraq.**

**Cognitive:**
**Evidence-based cognitive rehabilitation: updated review of the literature from 2003 through 2008.**

**Acute Care Management:**
**Guidelines for the management of traumatic brain injury, 3rd Edition.**
Disordered Consciousness:
*Disorders of consciousness and disordered care. Families, caregivers, and narratives of necessity.*

Diagnostic and prognostic guidelines for the vegetative and minimally conscious States.

Longitudinal outcome of patients with disordered consciousness in the NIDRR TBI Model Systems Programs.

Placebo-controlled trial of amantadine for severe traumatic brain injury.

Zolpidem and restoration of consciousness.

Headache:
*Natural history of headache after traumatic brain injury.*

Fatigue:
*Fatigue and sleep disturbance following traumatic brain injury—their nature, causes, and potential treatments.*

Seizures:
*A randomized, double-blind study of phenytoin for the prevention of post-traumatic seizures.*
Readmissions:
Readmission to acute care hospital during inpatient rehabilitation for traumatic brain injury.

Rehospitalization during the first 9-months following inpatient rehabilitation for traumatic brain injury.

Agitation, Irritability & Aggression:

Amantadine irritability multisite study group. Amantadine effect on perceptions of irritability after traumatic brain injury: Results of the amantadine irritability multisite study (AIMS).

Predictors of agitated behavior during inpatient rehabilitation for traumatic brain injury.

Medications use for TBI patients during acute inpatient rehabilitation.

Depression:
Rates of major depressive disorder and clinical outcomes following traumatic brain injury.
Venous Thromboembolism:

Sports:
Traumatic brain injury: Revisiting the AAN guidelines on sport-related concussion.

Executive summary of concussion guidelines step 1: systematic review of prevalent indicators.

Current recommendations for the diagnosis and treatment of concussion in sport: a comparison of three new guidelines.
West TA, Marion DW. Journal of Neurotrauma 2014;31(2):159-168.

The clinical spectrum of sport-related traumatic brain injury.

Imaging:
A review of magnetic resonance imaging and diffusion tensor imaging findings in mild traumatic brain injury.

Neuropathology of mild traumatic brain injury: Relationship to neuroimaging findings.