



A Textbook of Head Injury 2/e

Raj Kumar MS, MCh, MRCS, FRCS, MAMS, MNASc,
Professor & Chief, Trauma Center, Dept of Neurosurgery, SGPGIMS, Lucknow,

AK Mahapatra MS, MCh, DNB, MAMS, FNASc
Professor & Head, Dept of Neurosurgery, AIIMS, New Delhi,

Raj Kamal, MS, MCh,
Former Assistant Professor, Dept of Neurosurgery, AIIMS, New Delhi, University of
South Carolina, Columbia, South Carolina, USA

This totally revised new edition includes extended sections on the different types of brain injury; on long term emotional adjustment and return to work as well as anger management issues. It focuses on improving insight and awareness of long term complications. It also offers a clear description of the facts relating to head injury in terms that are understandable to patients and their families, as well as health care staff.

Jan 11 • 9789380704760
280 x 210 • 476 pps
•90 images
Hardback

Category: Orthopaedics
Neurosurgery

Readership:
Trainee & practicing Orthopedic
and Neurosurgeons

BIC Code: M MNN MNS

Key Points

- Provides a protocol for management of head injuries taking into account the hidden psychological, social, behavioral and emotional problems caused by head injury
- Explains both physical and psychological effects of head injury and how they can best be overcome
- Takes the reader from hospital emergency room through the post-hospital experience, detailing the stages of recovery and techniques for charting progress
- Outlines the requirements of a typical head injury rehabilitation system

Table of Contents

1. Introduction
2. Epidemiology of Head Injury
3. Biomechanics of Head Injury
4. Pathophysiology of Traumatic Brain Injury
5. Pathology of Head Injury
6. Traumatic Brain Oedema
7. Role of Abnormal Calcium Homeostasis in Head Injury
8. Ischaemic Damage in Brain Following Head Injury
9. Neurological Examination of Head Injured Patients
10. Imaging in Head Injury
11. Role of Intracranial Pressure (ICP) Monitoring in Head Injury
12. Monitoring in Head Injury
13. Management of Severe Head Injury
14. Minor Head Injury
15. Fluid and Electrolyte Imbalance in Head Injury
16. Coagulopathy in Head Injury
17. Coagulopathy in Head Injury in Reference to Pediatric Patients
18. Role of Surgery in Head Injury
19. The Role of Stereotactic Surgery in Head Injury
20. Endocrinal Abnormalities Following Head Injury
21. The Role of Hypothermia in Head Injury Management
22. Prognosis and Outcome in Head Injury
23. Improving Outcome after Traumatic Brain Injury
24. Extradural Haematoma
25. Posterior Fossa Extra Dural Haematoma
26. Acute Subdural Haematomas
27. Cerebral Contusion and Intracerebral Haematoma
28. Penetrating Head Injuries
29. Traumatic Diffuse Axonal Injury
30. Head Injury in Children
31. Head Injury in Elderly
32. Chronic Subdural Haematoma
33. Traumatic Cerebellar Haematomas
34. Traumatic Basal Ganglia Haematomas and Infarcts
35. Post-Traumatic Meningitis and Brain Abscess
36. Post-Traumatic Hydrocephalus
37. Post-Traumatic Epilepsy
38. Post-Traumatic Cerebrospinal Fluid Fistula
39. CSF Otorrhoea
40. Skull Base Fractures
41. Traumatic Carotico-Cavernous Fistula (CCF)
42. Traumatic Dural Venous Sinus Thrombosis
43. Cranioplasty
44. Visual Problems Following Head Injury
45. Growing Skull Fracture
46. Traumatic Subarachnoid Haemorrhage
47. CV Junction injuries
48. Traumatic Brainstem Haemorrhage
49. Nutritional Management of Head Injury
50. Rehabilitation in Head Injury
51. Persistent Vegetative State in Head Injury
52. Prevention of Head Injuries
53. Newer Trends in Management of Neurotrauma
54. Brain Death: An Indian Law on Organ Transplant