



Anesthesia for trauma : new evidence and new challenges

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Available Online: View e-Book
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Responsibility: Corey S. Scher, editor
Place of Publication: New York
Publisher: Springer
Date of Publication: c2014
Physical Description: 1 online resource (xiii, 464 pages)
ISBN: 9781493909094 (electronic bk.)
9781493909087

Subjects (MeSH): Anesthesia - methods
Perioperative Care
Traumatology - methods
Wounds and Injuries - surgery

Subjects (LCSH): Anesthesia in traumatology
Anesthesiology
Traumatic Surgery
Emergency medicine

Abstract: Anesthesia for Trauma is a comprehensive, clinically oriented text for practitioners and trainees in anesthesia, pain management, and critical care. It covers core topics, from initial assessment and blood and blood products, to the multi-trauma patient and trauma by major anatomical region. Burns receive especially extensive coverage. Special considerations when administering anesthesia to traumatically injured children, pregnant women, and older people are reviewed, as are foundational areas such as clinically relevant physiology and the growing role of trauma simulation in training. Readers will find leading edge coverage of microvascular surgery, pain management, and critical care of trauma patients as well as up-to-date chapters on trauma in the military, civilian trauma systems, and disaster management. The book concludes with a unique 'must-read' chapter for all clinicians on the link between substance abuse and penetrating trauma.

Contents: 1. Initial Assessment and Management of the Trauma Patient – 2. Airway Management in Trauma – 3. Physiological Derangement of the Trauma Patient – 4. Blood Transfusion and Coagulation Disorders – 5. General Principles of Intraoperative Management of the Severe Blunt or Polytrauma Patient: The Resuscitative Phase – 6. Pain Control in Acute Trauma – 7. Chronic Pain in Trauma Patients – 8. Brain Injuries: Perianesthetic Management – 9. Anesthesia for Cervical Spinal Cord Injury – 10. Anesthetic Assessment and Treatment of Facial and Ocular Trauma – 11. Thoracic and Abdominal Injuries – 12. Musculoskeletal Injuries and Microvascular Surgery – 13. Assessment and Physiology of Burns – 14. Management of Burns and Anesthetic Implications – 15. Perioperative Pediatric Anesthesia Trauma Considerations – 16. Trauma in the Pregnant Patient – 17. Anesthesia for the Geriatric Trauma Patient – 18. Trauma Critical Care – 19. Trauma Simulation – 20. Civilian Trauma Systems – 21. Modern Military Trauma – 22. Disaster Preparedness – 23. Substance Abuse in Trauma and the Anesthesia Care.

Format: e-Book
Location: Online