

Burns—A Practical Approach

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Description:

The author emphasizes the fundamental surgical, medical and related procedures involved in each stage of burn care, thus enabling the reader to focus on the essentials, and ensure the best outcome for patients. Chapters range from burn physiology, initial care and resuscitation, to wound evaluation and surgical management, respiratory and critical care, rehabilitation, reconstruction and aftercare.

The book's concise visual approach will appeal to all professionals caring for burn patients in acute or recovery phases. It is of special value to those surgeons, physicians, nurses and related professionals in burn and emergency units.

The author's experience is immense and varied at two of the finest burn care organisations, the United States Army's Institute of Surgical Research, and the Harvard Program at the Massachusetts General Hospital and Boston Shriners Hospital for Children.

Contents:

1: Background, Recent History, Epidemiology, Organization of Burn Care, Long Term Outcomes, **2: Physiology of Burns**, Local Response to Burn Injury, Systemic Response to Burn Injury, Pediatric Considerations, Geriatric Considerations, **3: Initial Care**, Prehospital and Interhospital Transport, Primary Survey, Secondary Survey, Initial Wound Care, Escharotomies and Fasciotomies, **4: Fluid Resuscitation**, Resuscitation Physiology, Resuscitation Practice, **5: Initial Wound Excision and Closure Evaluation of the Wound**, Determining the Time and Need for Operation, Techniques of Burn Wound Excision, Techniques to Minimize Blood Loss, Graft Fixation and Postoperative Wound Care, Skin Substitutes, Donor Site Management, **6: Respiratory Issues**, Inhalation Injury, Carbon Monoxide and Cyanide Exposures, Respiratory Failure, Chronic Airway Management, Weaning and Extubation, **7: Burn Critical Care**, Neurologic and Pain Control Issues, Critical Care Hemodynamic and Electrolyte Issues, Vascular Access Issues Nutritional Support Issues, Complications and Sepsis, Burn Wound Infection, **8: Definitive Wound Closure**, Facial Burns, Eyelid Burns, Ear Burns, Scalp Burns, Neck Burns, Hand Burns, Genital Burns, **9: Special Situations**, Electrical Injuries, Chemical Injury, Hot Tar Injury, Cold Injury, Toxic Epidermal Necrolysis, Purpura Fulminans, Staphylococcal Scaled Skin Syndrome, Soft Tissue Trauma and Infections, Injuries of Abuse, **10: Outpatient Management**, Patient Selection, Techniques, **11: Burn Rehabilitation**, Early Acute Burn Rehabilitation, Late Acute Burn Rehabilitation, Long-term Burn Rehabilitation and Scar Management, **12: Reconstruction and Aftercare**, Head and Neck, Hand, Upper Extremity, Lower Extremity, Aftercare and Emotional Recovery. Index.

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27 tables
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Readership:

Surgeons and physicians, nurses, physical and occupational therapists, working in burn units and emergency departments.

Key Features:

- Concise visual approach—appealing to a wide readership.
- Focuses on the fundamentals for best patient outcomes.
- Breadth and depth of author experience in adult and paediatric surgery, in research, teaching and the army.