## **Table of Contents**

Trauma Care and Trauma Systems: Past, Present, and Future

Organizing to Manage Mass Casualty Incidents

Trauma Syster. Janagement and Financing

Identifying Pauma System Components

Quantifying Trauma System Effectiveness

Injury Prevention

i earm Injury Prevention

Gunshot Injury: Overview of Ballistics, Wounding and Clinical Management

Principles

Drugs, Alcohol, and Injury Prevention

Substance Abuse and Withdrawal

**Burn Prevention** 

Injury Control Research

Design of the Trauma Resuscitation Area

Design of the Trauma Operating Room

Trauma Care, Medical-Legal Issues, and Risk Management

Regional Relationships/Transfer of Patient Care

**Evaluating Trauma Center Performance** 

Overview: Making Music out of Noise

Detection and Prevention of Errors

Information Management to Improve Performance

The Roles of Emergency Medicine Specialists in the Trauma Center

Trauma Nursing

Training and Development of Trauma Surgeons

Organizing the Continuum of Care for Injured Patients

Pre-Hospital Care

Initial Resuscitation and Diagnosis

Diagnostic Imaging

Injury to the Brain

Injury to the Spinal Cord

Injury to the Spine

Maxillofacial Trauma

Ocular Injuries

Injuries to the Neck

Thoracic Injuries: Overview

Chest Wall Injury

Penetrating Pulmonary Injuries

Thoracic Vascular Injury

Cardiac Injuries

Injury to the Diaph, aym

Nonoperative A ragement of Traumatic Injuries

Injuries to the Esophagus and Stomach

Injuries to the Duodenum and Pancreas

Injuries to the Liver and Spleen

Triuries to the Small Intestine, Colon, and Extraperitoneal Rectum

Abdominal Vascular Injury

Genitourinary Injury

Special Problems of Abdominal Injury

Diagnosis and Management of Extremity Vascular Injuries

Fractures of the Upper Extremity

Hand Injuries

Special Interdisciplinary Problem: Pelvic Fracture

Fractures of the Lower Extremity

Special Interdisciplinary Problem: Knee Dislocation

Anesthesia for Trauma Surgery

Special Considerations in Trauma in Children

Trauma in Pregnancy

Geriatric Trauma

Burn Injury

Management of Traumatic Wounds: Complex Soft Tissue Reconstruction

Traumatic Peripheral Nerve Injury

Ventilation and Oxygenation

Hemodynamic Management and Shock

SIRS, Sepsis, Multi-System Organ Dysfunction and Failure

Infection Control in the Intensive Care Unit

Nutritional Support of the Injured

Renal Failure

Transfusion, Coagulation, Thromboembolism

Pain Control and Sedation

Ethical Issues in Trauma Care

End of Life Care

Pastoral Care