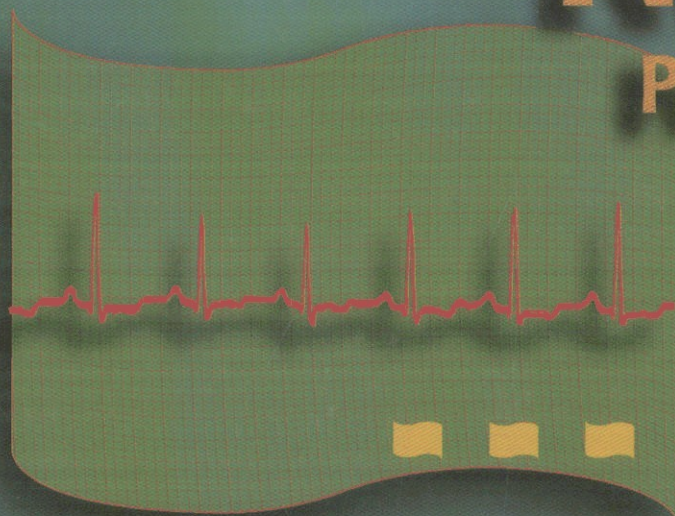


Sheehy's
**Emergency
Nursing**
Principles and Practice



Sixth Edition

Contents

UNIT I FOUNDATIONS OF EMERGENCY NURSING

Chapter 1 Emergency Nursing: A Historical Perspective, 3

Vicki C. Patrick

- Origins of Emergency Nursing, 3
- Modern American Nursing, 4
- A New Specialty: Emergency Care, 4
- A New Nursing Specialty: Defining the Scope of Practice, 4
- Emergency Nursing and EDNA/ENA, 5

Chapter 2 Emergency Nursing Practice, 8

John Fazio

- Definition of Nursing, 8
- Scope of Nursing Practice, 8
- Specialization of Emergency Nursing, 9
- Nursing Practice Mission and Values, 9
- Defining Emergency Nursing Practice, 9
- Standards of Emergency Nursing Practice, 9
- Collaborative Practice, 10
- Coalition Building, 10
- Community Education, 10
- Position Statements, 11
- Core Measures, 11
- Patient Safety Concepts, 11
- Developing a Science in Nursing, 11
- Validation of Knowledge Through Certification, 13

Chapter 3 Legal and Regulatory Constructs, 16

Edith Ann Brous

- Sources of Law and Regulation, 16
- Communication, 17
- Medical Records, 17
- Health Insurance Portability and Accountability Act, 19
- Consent, 20
- Emergency Medical Treatment and Active Labor Act, 21
- Negligence and Malpractice, 23

Chapter 4 Approaching Diversity, 27

Anita Ruiz-Contreras

- Areas of Diversity, 27
- The Diversity Practice Model, 30

UNIT II PROFESSIONAL PRACTICE

Chapter 5 Evidence-Based Practice, 35

Vicki A. Keough

- What Is Evidence-Based Practice? 35
- Finding the Evidence, 37
- Evaluating the Evidence, 40
- Translation, 42
- Evaluation, 43
- Using Evidence to Benchmark, 43

Chapter 6 Research, 46

Susan Barnason

- Bringing Research to Clinical Practice, 46
- Appraisal of Research, 47
- Using Research Findings in Practice, 53

UNIT III CLINICAL FOUNDATIONS OF EMERGENCY NURSING

Chapter 7 Triage, 59

Nicki Gilboy

- Triage Systems, 60
- Triage Acuity Rating Systems, 60
- The Triage Process, 61
- Special Populations, 65
- Ambulance Triage, 68
- Triage Documentation, 68
- Infection Control, 68
- The Patient Liaison, 69
- Security, 69
- Legal Issues, 69
- Triage Reassessment, 70

Telephone Advice, 70

Triage Nurse Qualifications, 70

Performance Improvement and Triage, 71

Chapter 8 Patient Assessment, 73

Rebecca A. Steinmann

Initial Assessment, 73

Ongoing Assessment, 79

Special Patient Populations, 79

Chapter 9 Air and Surface Patient Transport, 83

Reneé Semonin Holleran

Historical Perspective, 83

Types of Transport, 84

Transport Process, 85

Stresses of Transport, 91

Transport of Selected Patient Populations, 94

Chapter 10 Vascular Access and Fluid Replacement, 99

S. Kay Sedlak

Anatomy and Physiology, 99

Vascular Access, 100

Fluid Replacement, 105

Chapter 11 Wound Management, 111

Nancy J. Denke

Anatomy and Physiology, 111

Wound Healing, 112

Wound Evaluation, 113

Specific Wounds, 114

Wound Preparation, 116

Local Anesthesia, 118

Wound Closure, 119

Wound Dressings, 120

Wound Prophylaxis, 121

Chapter 12 Pain, 127

*Paula Tanabe, Reneé Semonin Holleran,
and Christopher J. Reddin*

Definitions and Classifications of Pain, 127

Pathophysiology of Pain, 128

Pain Theories, 133

Physiologic Consequences of Pain, 133

Myths and Barriers to Pain Management, 133

Adult Pain Management, 135

Pediatric Pain Management, 139

Chapter 13 Family Presence During Resuscitation, 148

Jennifer Kingsnorth-Hinrichs

Evidence, 148

Organizational Support, 150

Implementation, 150

Education, 152

Chapter 14 Organ and Tissue Donation, 155

Nancy Bonalumi

Overview and History, 156

Organ Donation Best Practices, 157

Other Strategies to Increase Organ Donation, 158

The Donation Process, 159

The Procurement Process, 162

Financial Considerations, 162

Chapter 15 Palliative and End-of-Life Care in the Emergency Department, 164

Garrett K. Chan

Overview of Palliative and End-of-Life Care, 164

Palliative Care Principles in the
Emergency Department, 165

Communication Issues in Palliative
and End-of-Life Care, 168

Bioethical Considerations, 169

Care for the Caregiver, 172

Chapter 16 Forensic Nursing in the Emergency Department, 174

Daniel J. Sheridan, Katherine R. Nash, and Heidi Bresee

Forensic Nursing Defined, 174

History of Forensic Nursing, 174

Roles and Responsibilities of the Emergency Department
Nurse With Forensic Training, 175

Chapter 17 Emergency Preparedness, 187

Kathy S. Robinson

Evolution of Emergency Management, 188

Domestic Preparedness Authority and Planning
at the Federal Level, 191

Homeland Security Mission Areas: Prevent-Protect-
Respond-Recover, 192

Chapter 18 Nuclear, Biologic, and Chemical Agents of Mass Destruction, 198

Knox Andress

Weapons of Mass Destruction: The Threat, 198

Nuclear-Radiologic Threats, 199

Biologic Agents, 201

Chemical Agents, 205

Chapter 19 Management of the Critical Care Patient in the Emergency Department, 211

Carol Rhoades, René Semonin Holleran, Lori Carpenter, and Colin Grissom

Critical Care in the Emergency Department, 211

Mechanical Ventilation, 211

Invasive Monitoring, 217

Sepsis, 224

UNIT IV MAJOR TRAUMA EMERGENCIES

Chapter 20 Epidemiology and Mechanisms of Injury, 233

Cynthia Blank-Reid and Paul C. Reid, Sr.

Epidemiology, 233

Mechanism of Injury, 236

Prevention, 251

Chapter 21 Head Trauma, 254

Beth Broering

Anatomy and Physiology, 255

Patient Assessment, 257

Patient Management, 261

Specific Injuries, 265

Chapter 22 Spinal Trauma, 272

Jennifer Wilbeck

Anatomy and Physiology, 273

Patient Assessment, 274

Stabilization, 277

Psychosocial Care, 280

Specific Spinal Cord Injuries, 280

Chapter 23 Thoracic Trauma, 285

Nancy J. Denke

Anatomy and Physiology, 286

Patient Assessment, 287

Specific Thoracic Injuries, 288

Chapter 24 Abdominal and Genitourinary Trauma, 301

Vicki Bacidore

Anatomy and Physiology, 301

Patient Assessment, 304

Specific Injuries, 308

Chapter 25 Orthopedic and Neurovascular Trauma, 313

Mary Jo Cerepani

Anatomy and Physiology, 313

Patient Assessment, 314

Soft Tissue Injuries, 316

Fractures, 320

Dislocations, 330

Reduction Issues, 336

Traction, 336

Assisted Ambulation: Crutches, Cane, and Walker, 337

Chapter 26 Burns, 340

Cheryl Wraa

Etiology, 340

Burn Assessment, 342

Pathophysiology, 343

Patient Management, 347

Chapter 27 Maxillofacial Trauma, 355

Chris M. Gisness

Anatomy and Physiology, 355

Patient Assessment, 356

Specific Maxillofacial Injuries, 357

Chapter 28 Pediatric Trauma, 364

Autumne Bailey Mayfield, and Kate Copeland

Epidemiology, 364

Anatomy and Physiology, 366

Patient Assessment, 368

Specific Conditions, 374

Chapter 29 Obstetric Trauma, 382

Terri McGowan Repasky

Anatomy and Physiology, 382

Patient Assessment, 385

Injuries, 387

Special Considerations, 389

UNIT V MEDICAL AND SURGICAL EMERGENCIES

Chapter 30 Respiratory Emergencies, 395

Paula Works and Sharon A. Graunke

Anatomy and Physiology, 395

Patient Assessment, 396

Specific Pulmonary Emergencies, 396

Chapter 31 Cardiovascular Emergencies, 411

Darleen A. Williams

Anatomy and Physiology, 412

Specific Cardiovascular Emergencies, 414

Chapter 32 Shock Emergencies, 445

Reneé Semonin Holleran

Pathophysiology, 445

Categories of Shock, 448

Clinical Manifestations of Shock, 450

Management of the Patient in Shock, 451

Acid-Base Balance, 453

Hemodynamic Monitoring, 453

**Laboratory and Diagnostic Testing
for Shock Emergencies, 454**

**Emergency Nursing Management of the Patient
With a Shock Emergency, 454**

Complications Associated With Shock, 455

Special Populations, 455

Chapter 33 Neurologic Emergencies, 457

Amy Brown and Diana King

Anatomy and Physiology, 457

Patient Assessment, 460

Specific Neurologic Emergencies, 460

Chapter 34 Gastrointestinal Emergencies, 467

Amy Herrington

Anatomy and Physiology, 467

Patient Assessment, 468

Specific Gastrointestinal Emergencies, 469

Chapter 35 Renal and Genitourinary Emergencies, 478

Cynthia S. Baxter

Anatomy and Physiology, 478

Patient Assessment, 479

Specific Conditions, 480

Prevention, 486

Chapter 36 Fluids and Electrolytes, 490

Betty Kuiper

Pathophysiology, 490

Fluid and Electrolyte Abnormalities, 494

Chapter 37 Endocrine Emergencies, 499

Colette M. Morey

Endocrine System Physiology, 499

Patient Assessment, 500

Selected Endocrine Emergencies, 501

Chapter 38 Communicable Diseases, 513

Sherri-Lynne Almeida

Infection Prevention in the Acute Care Setting, 514

Diseases of Concern, 514

Chapter 39 Influenza: Seasonal, Avian, and Pandemic, 525

Sherri-Lynn Almeida

Pandemics of the Twentieth Century, 525

Recent Pandemic Flu Scares, 526

Avian Influenza A(H5N1) Outbreaks, 527

United States and Global Preparedness Planning, 528

Impact of a Pandemic, 532

Chapter 40 Environmental Emergencies, 535

Kathleen Flarity

- Heat-Related Emergencies, 535**
- Cold-Related Emergencies, 537**
- Submersion Incidents, 541**
- Diving Emergencies, 542**
- Carbon Monoxide Poisoning, 544**
- Bites and Stings, 545**

Chapter 41 Hematologic and Oncologic Emergencies, 554

Daun A. Smith

- Anatomy and Physiology, 554**
- Patient Assessment, 557**
- Specific Hematologic Emergencies, 558**
- Thrombocytopenia, 559**
- Specific Oncologic Emergencies, 561**

Chapter 42 Toxicologic Emergencies, 564

Patty Sturt

- Patient Management, 564**
- Specific Toxicologic Emergencies, 567**

Chapter 43 Gynecologic Emergencies, 578

Kathleen Sanders Jordan

- Anatomy and Physiology, 578**
- Assessment, 579**
- Specific Gynecologic Emergencies, 579**

Chapter 44 Dental, Ear, Nose, Throat, and Facial Emergencies, 590

Elizabeth Gaudet Nolan

- Anatomy, 590**
- Dental Emergencies, 592**
- Ear Emergencies, 595**
- Nasal Emergencies, 597**
- Throat Emergencies, 598**
- Facial Emergencies, 599**

Chapter 45 Ocular Emergencies, 602

Darcy Egging

- Anatomy and Physiology, 602**
- Patient Assessment, 602**
- Patient Management, 605**
- Specific Ocular Emergencies, 606**

UNIT VI SPECIAL PATIENT POPULATIONS

Chapter 46 Obstetric Emergencies, 619

Donna L. Mason

- Anatomy and Physiology, 619**
- Patient Assessment, 619**
- First-Trimester Emergencies, 620**
- Antepartum Emergencies, 621**
- Third-Trimester Emergencies, 623**
- Delivery, 624**
- Postpartum Emergencies, 627**
- Other Emergencies, 628**

Chapter 47 Pediatric Emergencies, 630

Nancy L. Mecham

- Triage, 630**
- Respiratory Emergencies, 635**
- Cardiovascular Emergencies, 639**
- Neurologic Emergencies, 644**
- Gastrointestinal and Genitourinary Emergencies, 645**
- Endocrine Emergencies, 646**
- Infectious Disease Emergencies, 647**
- Other Conditions, 649**
- Family Presence, 650**

Chapter 48 Child Abuse and Neglect, 652

Angela Black

- Neglect, 653**
- Physical Abuse, 654**
- Sexual Abuse, 658**
- Emotional Abuse, 663**
- Other Issues Related to Child Abuse and Neglect, 663**

Chapter 49 Intimate Partner Violence, 666

Mary Jagim

Incidence, 666

Risk Factors, 667

Cycle of Violence, 667

Role of the Emergency Nurse, 668

Chapter 50 Elder Abuse and Neglect, 672

Nancy Stephens Donatelli

Defining Elder Abuse and Neglect, 672

Scope of the Problem, 672

Origin of the Problem, 673

Primary Categories of Maltreatment and Associated Clinical Findings, 673

Risk Factors for Maltreatment, 674

Recognizing Clues of Maltreatment, 674

Asking the Right Questions, 674

Interventions in Abuse and Neglect, 675

Chapter 51 Behavioral Health Emergencies, 677

Lynne Gagnon

Agitation, 677

Anorexia Nervosa, 678

Anxiety, 679

Bulimia, 680

Depression, 682

Panic Disorders, 683

Schizophrenia, 684

Substance Abuse, 686

Suicide Assessment, 686

Chapter 52 Substance Abuse, 689

Donna L. Mason

Addiction, 689

Specific Substances, 690

Alcoholism, 693

Tobacco, 695

Nursing Considerations, 695

Chapter 53 Sexual Assault, 698

Anita Ruiz-Contreras

Sexual Assault Patients Are Survivors, 698

Myths and Misconceptions, 699

Rape-Trauma Syndrome, 699

The Sexual Assault Survivor in the Emergency Department, 699

Legal Aspects, 702

Appendix: Nursing Diagnoses for Selected Emergency Conditions, 704