

Transition Guide

From *Outdoor Emergency Care, Third Edition* To *Outdoor Emergency Care, Fourth Edition*

OEC 3e CHAPTER	OEC 4e CHAPTER	CHAPTER TYPE	NOTES
(N/A)	Ch. 1: Introduction to Outdoor Emergency Care	Mostly new chapter; some text picked up from AAOS8e.	Discusses the OEC program and legal/ethical issues.
Ch 1: Adapting to the Outdoor Environment	Ch. 2: The Well-Being of the Rescuer	Small amount of text picked up from AAOS8e.	Includes extensive information on protecting oneself from the elements and dressing properly for various environments.
Ch. 2: Human Anatomy and Physiology	Ch. 4: Human Anatomy and Physiology	Pickup of AAOS8e Ch. 4: The Human Body	
	Ch. 3: Interfacing with EMS and Other Medical Personnel	New.	Covers what is required of the outdoor rescuer in order to achieve smooth turnover to EMS.
Ch. 3: Surface Anatomy and Vital Signs	Ch. 5: Baseline Vital Signs and SAMPLE History	Pickup of AAOS8e Ch. 5: Baseline Vital Signs and SAMPLE History	

Ch. 4: Introduction to Patient Assessment	Ch. 7: Patient Assessment	Small amount of text picked up from AAOS8e.	Focus is on responsive vs. unresponsive patients as this is critical when farther from EMS and transport. Contains Patient Assessment Flowchart modified for emergencies in outdoor environment.
Ch. 6: Oxygen and Other Types of Respiratory System Support	Ch. 6: Airway	Pickup of AAOS8e Ch. 7: Airway	
Ch. 7: Bleeding and Shock	Ch. 8: Bleeding and Ch. 9: Shock	Pickup of AAOS8e Ch. 22: Bleeding and AAOS8e Ch. 23: Shock	
Ch. 8: Skin and Soft-Tissue Injuries, Burns, and Bandaging	Ch. 19: Soft-Tissue Injuries	Pickup of AAOS8e Ch. 24: Soft-Tissue Injuries	
Ch. 9: Emergency Care of Bone and Joint Injuries: General Principles	Ch. 24: Principles of Musculoskeletal Injuries	Revised to include AAOS8e Ch. 29: Musculoskeletal Care	
Ch. 10: Mechanisms and Patterns of Injury	Ch. 18: Mechanisms and Patterns of Injury		Material specific to OEC (injuries specific to snow, water, and outdoor sport injuries, etc.).
Ch. 11: Specific Injuries to the Upper Extremity	Ch. 25: Assessment and Care of Bone and Joint Injuries	Revised to include AAOS8e Ch. 29: Musculoskeletal Care	

Ch. 12: Specific Injuries to the Lower Extremity	(covered in Ch. 25: Assessment and Care of Bone and Joint Injuries)		
Ch. 13: Injuries to the Head, Eye, Face, and Soft Tissues of the Neck	Ch. 20: Eye Injuries	Pickup of AAOS8e Ch. 25: Eye Injuries	
	Ch. 21: Face and Throat Injuries	Pickup of AAOS8e Ch. 26: Face and Throat Injuries	
Ch. 14: Neck and Back Injuries	Ch. 26: Head and Spine Injuries	Revised to include AAOS8e Ch. 30: Head and Spine Injuries	Chapter has been expanded for OEC purposes, when rescuer is farther from definitive care.
Ch. 15: Chest Injuries	Ch. 22: Chest Injuries	Pickup of AAOS8e Ch. 27: Chest Injuries	
Ch. 16: Injuries to the Abdomen, Pelvis, and Genitalia	Ch. 23: Abdomen and Genitalia Injuries	Pickup of AAOS8e Ch. 28 – Abdomen and Genitalia Injuries	
Ch. 17: Common Medical Complaints	Ch. 10: Respiratory Emergencies and Ch. 11: Cardiovascular Emergencies	Pickup of AAOS8e Ch. 11: Respiratory Emergencies and AAOS8e Ch. 12: Cardiovascular	

		Emergencies	
Ch. 18: Medical Emergencies	Ch. 13: Common Medical Emergencies and Ch. 16: Behavioral Emergencies and Ch. 12: Neurologic Emergencies (also covered in Ch. 10: Respiratory Emergencies and Ch. 11: Cardiovascular Emergencies)	Pickup of AAOS8e Chs. 14-17: Acute Abdomen Diabetic Emergencies Allergic Reactions & Envenomations Substance Abuse/Poisoning, AAOS8e Ch. 19: Behavioral Emergencies, and AAOS8e Ch. 13: Neurologic Emergencies	
Ch. 19: Environmental Emergencies	Ch. 15: Environmental Emergencies	Revised to include AAOS8e Ch. 18: Environmental Emergencies.	Revised to include more information on the outdoor environment.
Ch. 20: Emergency Care of Infants and Children	Ch. 30: Pediatric Outdoor Emergency Care	Revised to include AAOS8e Ch. 31: Pediatric Assessment Ch. 32: Pediatric Medical Emergencies Ch. 33: Pediatric Trauma	
Ch. 21: Advanced Assessment	(covered in Ch. 7: Patient		

	Assessment)		
Ch. 22: Rescue Techniques	Ch. 27: Rescue Techniques: Lifts and Loads	Revised to include AAOS8e Ch. 6: Lifting and Moving Patients.	Revised to include specific outdoor rescue equipment and extrication information.
Ch. 23: Snowsport and Mountain Bike Injuries	Ch. 14: Snowsports and Mountain Biking Emergencies		Specific mechanisms and care of outdoor emergencies are covered.
Ch. 24: Triage	Ch. 28: Triage and Ch. 29: Mass-Casualty Incident Management		
Ch. 25: Poisoning	(covered in Ch. 13: Common Medical Emergencies)		
Ch. 26: Hazardous Plants and Animals	(covered in Ch. 13: Common Medical Emergencies)		
Ch. 27: Water Emergencies	(covered in Ch. 15: Environmental Emergencies)		
Ch. 28: Emergency Childbirth	Ch. 17: Gynecological and Obstetric Emergencies	Pickup of AAOS8e Ch. 20: Obstetrical and Gynecological Emergencies	
Appendix A: Legal Aspects of	(covered in Ch. 1: Introduction to		

Emergency Care	Outdoor Emergency Care)		
Appendix B: Basic Life Support	(covered in Ch. 6: Airway)		
Appendix C: Principles of Wilderness Emergency Care	Appendix D: Principles of Wilderness Emergency Care	Picked up from OEC3e.	Appendix on how to provide emergency care in remote environments with limited supplies and long transport times.
Appendix D: Emergency Care Kits	Appendix C: Emergency Care Kits	Picked up from OEC3e.	Discusses what rescuers should carry in their kits for the various environments in which they work.
Appendix E: Examples of Useful Forms			
Appendix F: Preventing Exposure to Bloodborne Pathogens and Hazardous Materials	(covered in Ch. 2: The Well-Being of the Rescuer)		
Appendix G: Useful Knots and Hitches			

	Ch. 31: Outdoor Adaptive Athletes	New.	Covers adaptive athlete equipment, communicating with adaptive athletes, and specifics of how to care for them in an emergency.
	Appendix A: Scenarios	Picked up from OEC 3e.	<p>31 scenarios organized by topic – these allow students to integrate what they have learned and apply it to real emergencies, where there may be more than one patient and injury.</p> <p>The scenarios are organized into the following topics:</p> <ul style="list-style-type: none"> • Patient Assessment and Life Support Interventions • Bleeding and Shock • Skin and Soft-Tissue Injuries, Burns, and Bandaging • Emergency Care of Bone and Joint Injuries: General Principles • Specific Injuries to the Upper Extremity • Specific Injuries to the Lower Extremity and Pelvis • Injuries to the Head, Eye, Face, and Soft Tissues of the Neck • Neck and Back Injuries • Chest Injuries • Injuries to the Abdomen,

			<ul style="list-style-type: none"> • Pelvis, and Genitalia • Common Medical Complaints • Medical Emergencies • Environmental Emergencies • Emergency Care of Infants and Children • Advanced Assessment • Rescue Techniques • Snowsports and Mountain Biking Injuries • Triage • Hazardous Plants and Animals • Water Emergencies
	Appendix B: Skill Guides	New.	These are the National Ski Patrol's skill performance guides—checklists to judge students' performance of rescuer skills.

General Features

To make the program as comprehensive as possible, the features of *Outdoor Emergency Care, Third Edition* were created based on the those in the AAOS' *Emergency Care and Transportation of the Sick and Injured, Eighth Edition*. Features of *Outdoor Emergency Care, Fourth Edition* include:

- 4-color text.
- Photographs tailored to the outdoor environment.
- Objectives for each chapter
- Navigation Toolbar (same concept as in EMTB8e – tells readers which features are included in each chapter)
- You are the rescuer (scenario that introduces each chapter) (Same format as EMTB8e – Each chapter opens with a case study that will stimulate classroom discussion, captures students' attention, and provide an overview of the chapter.)
- Skill Drills (Same format as in EMTB8e – written step-by-step explanations and visual summaries of important skills and procedures, modified for the outdoor environment.)
- Vital Vocabulary (Vital terms in the chapter are bolded and underlined. Definitions are included at end of chapter.)
- Chapter Sweep (end-of-chapter activities in same format as EMTB8e PrepKit, content modified for outdoor emergency care):
- Ready for Review (summary of the chapter)
- Vital Vocabulary (definitions of vital terms)
- Assessment in Action (scenario with corresponding multiple-choice questions; answers are provided in Instructor's Manual and Instructor's ToolKit)
- Points to Ponder (scenarios that tackle cultural, social, ethical, and legal issues, with open-ended questions for discussion)
- Online Outlook (online activities to reinforce and expand on topics covered in chapter)

Boxed Features

The boxed features of *Outdoor Emergency Care, Third Edition* were created based on the those in the AAOS' *Emergency Care and Transportation of the Sick and Injured, Eighth Edition*. Boxed features of *Outdoor Emergency Care, Fourth Edition* include:

Pediatric Needs

- Highlight specific concerns and procedures for infants and children.

Altitude Tips

- Provide information on the effects of altitude and how it affects patient care.

Rescuer Safety

- Provide safety tips to reinforce safety concerns for both the rescuer and patient.

Rescuer Tips

- Provide advice from masters of the trade.

Documentation Tips

- Provide advice on how to document patient care and highlight situations where documentation is especially critical.

Wilderness Tips

- Provide advice on how to provide emergency care in remote areas.

Remember boxes

- Contain key points from the chapter to help students retain important information.

Supplements

The supplements of *Outdoor Emergency Care, Third Edition* were created based on the those in the AAOS' *Emergency Care and Transportation of the Sick and Injured, Eighth Edition*. Features of *Outdoor Emergency Care, Fourth Edition* include:

STUDENT SUPPLEMENTS

Student Workbook

- Modified from EMTB8e workbook for content in OEC main textbook
- Contains matching, multiple-choice, fill-in-the-blank, true/false, short answer, labeling activities, vocabulary activities, crossword puzzles, scenarios, and skill drill activities.

Online Refresher Guide

- Study guide for OEC refresher course

www.OECzone.com:

Anatomy Review

Videos: Skills in Action

Animated FlashCards

Interactive Online Glossary

Assessment in Action

Online Chapter Pretests

Web Links

INSTRUCTOR SUPPLEMENTS

Instructor's ToolKit CDROM

- PowerPoint presentations modified from EMTB8e for each chapter
- Lesson guides
- Activities
- Administrative information (abridged from OEC Instructor's Manual)
- Image bank

Instructor's TestBank CDROM

- Modified from EMTB8e TestBank for content in OEC main textbook

Instructor's Manual

- Administrative information and lesson guides for the OEC course