

Brady 9e (Mistovich) to AAOS 10e (Pollak) Transition Guide

SECTION 1 – PREPARATORY

Chapter 1 – EMS Systems (Brady 9e Chapter 1)

Pages 4 – 27 (Brady 4 – 21)

Each chapter in the AAOS 10th Edition text begins with a short introduction and “You are the Provider” case study. This feature helps put students in the proper mindset to begin mastering the material. Through realistic case-based scenarios, this chapter sets the tone of the overall text and introduces the student to the history of EMS care, the role of the EMT, and exposes them early to emergency medical research. The chapter also highlights the training and renewal requirements for EMS professionals. This establishes early that EMS is a relatively young, continually evolving field and that the learning process does not end with the close of an EMT course.

Chapter 2 – Workforce Safety & Wellness (Brady 9e Chapter 2)

Pages 32 – 74 (Brady 22 – 48)

This chapter introduces concepts that will be reinforced continually throughout the text such as confidentiality and EMT safety. It also highlights cultural diversity in the workplace, avoiding sexual harassment, substance abuse, and other important topics. Each chapter of the AAOS 10th Edition concludes with an “Assessment in Action” case study that encourages students to test their mastery of the chapter’s contents.

Chapter 3 – Medical, Legal, and Ethical Issues (Brady 9e Chapter 3)

Pages 78 – 100 (Brady 49 – 67)

Information critical to the delivery of emergency medical care is delivered in this chapter – including topics like the ethics of forcible restraint.

Chapter 4 – Communications & Documentation (Brady 9e Chapters 4 & 5)

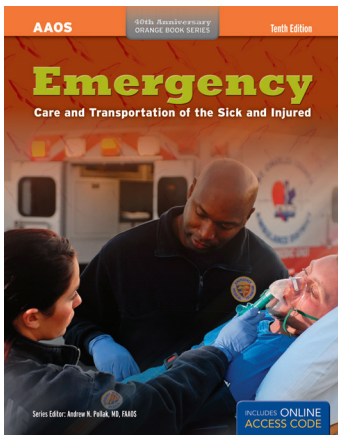
Pages 106 – 138 (Brady 68 – 109)

Continuing to build on basic EMS concepts, this chapter opens by examining the role of effective communication in the rapport-building, information gathering, and even healing processes. The importance of documentation as a record of assessment findings and care delivered as well as a means of legal protection for the EMT is explained well to the novice. Concepts that do not form the core of an EMT’s job function such as simplex vs. duplex radio communication are discussed but are not overemphasized.

Chapter 5 – The Human Body (Brady 9e Chapter 7)

Pages 142 – 192 (Brady 144 – 195)

This chapter provides extensive coverage of human anatomy and physiology. Body systems, basic physiology, and structure vs. function concepts are presented in sufficient detail for students with no background in anatomy. Full-color diagrams assist the student in understanding and mastering the material. Relevant anatomy is reviewed at the beginning of each subsequent chapter for convenient reference.



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Chapter 6 – Life Span Development (Brady 9e Chapter 9)

Pages 200 – 215 (Brady 230 – 244)

This chapter enhances the student EMT's ability to care for a wide variety of patients by training them to understand the development and unique characteristics of various age groups.

SECTION 2 – PHARMACOLOGY

Chapter 7 – Principles of Pharmacology (Brady 9e Chapter 14)

Pages 220 – 243 (Brady 472 – 487)

Continuing to develop the student's fund of knowledge, this chapter highlights the importance of pharmacology to contemporary EMS practice. Students learn the basics of pharmacodynamics and the clinical basis for pharmacologic therapy. The "Skill Drill" sections in this chapter – a feature found through the text – allow students to begin practicing their skills while they learn.

SECTION 3 – PATIENT ASSESSMENT

Chapter 8 – Patient Assessment (Brady 9e Chapter 13)

Pages 250 – 310 (Brady 373 – 469)

This chapter is the student's first in-depth exposure to the art of patient assessment. Recognizing the formidable task facing the student, the text walks the novice through the assessment process in an intuitive, logical manner. The chapter uses a color-coded, easy-to-follow algorithm that gradually adds to the student's knowledge, rather than overwhelming them at the outset.

SECTION 4 – AIRWAY

Chapter 9 – Airway Management (Brady 9e Chapter 10)

Pages 318 – 371 (Brady 248 – 313)

This chapter offers thorough coverage of one of the most important topics in EMS education – airway management. It includes additional information on special considerations such as gastric distention, tracheostomy tubes, and dental appliances.

SECTION 5 – SHOCK AND RESUSCITATION

Chapter 10 – Shock (Brady 9e Chapter 15)

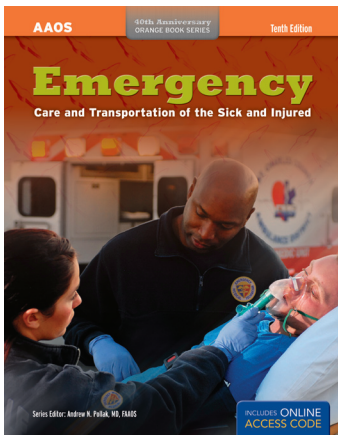
Pages 380 – 408 (Brady 490 – 531)

This chapter provides the student with a thorough understanding of the etiologies of various types of shock, better preparing them to anticipate and treat such patients. The end of this chapter (and subsequent chapters) contains a color-coded patient assessment algorithm first learned in Chapter 8 that reinforces the systematic assessment process in a manner already familiar to the student.

Chapter 11 – BLS Resuscitation (Brady 9e Chapter 15)

Pages 412 – 447 (Brady 490 – 531)

The comprehensive review of Basic Life Support and Cardiopulmonary Resuscitation also discusses CPR assistance devices such as mechanical pistons and load-distributing compression bands.



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SECTION 6 – MEDICAL

Chapter 12 – Medical Overview (AAOS Exclusive)

Pages 452 – 470

Recognizing that medical complaints are varied and often complex, this chapter offers a gentle introduction to medical emergencies. Discussed in depth are infectious diseases, basic assessment techniques, and a brief introduction to medical chief complaints.

Chapter 13 – Respiratory Emergencies (Brady 9e Chapter 16)

Pages 474 – 519 (Brady 534 – 581)

This chapter presents information that surpasses mere breathing assessment. Specific conditions (and advice on their field diagnosis or exclusion) such as pneumothorax, hemothorax, COPD, asthma, pulmonary edema, and cystic fibrosis are discussed.

Chapter 14 – Cardiovascular Emergencies (Brady 9e Chapter 17)

Pages 524 – 561 (Brady 582 – 619)

From the onset of chest pain to arrival in the Emergency Department, this chapter walks the novice through the assessment and treatment of cardiac emergencies. Information is current to the 2005 AHA Guidelines for Emergency Cardiovascular Care. Also included is information about biphasic defibrillation, pacemakers, and automated implanted cardioverter/defibrillators (AICDs).

Chapter 15 – Neurologic Emergencies (Brady 9e Chapters 18 & 19)

Pages 566 – 593 (Brady 620 – 661)

This chapter assists the student EMT in the assessment, differential diagnosis, and treatment of altered mental status, syncope, seizures, and stroke (the third leading cause of death in the U.S.). Important assessment scales such as the Glasgow Coma Scale and the Cincinnati Stroke Scale are discussed. The text describes not only the basic assessment maneuvers for suspected neurologic emergencies but discusses in detail the implications of various assessment results.

Chapter 16 – Gastrointestinal and Urologic Emergencies (Brady 9e Chapter 20)

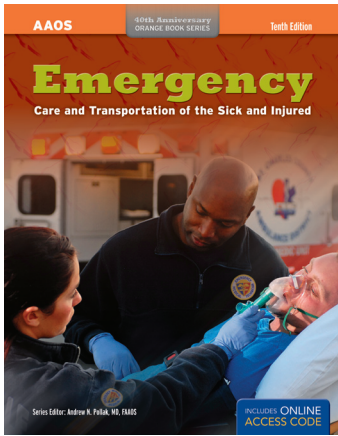
Pages 598 – 617 (Brady 663 – 687)

This chapter offers a wealth of information about common and often emergent gastrointestinal conditions. Esophageal varices, diverticulitis, gastroenteritis, and other topics often poorly understood by prehospital providers are explained in detail. Additionally, discussion of special assessment considerations such as kidney dialysis and urinary catheters is included in this section.

Chapter 17 – Endocrine and Hematologic Emergencies (Brady 9e Chapter 20)

Pages 620 – 642 (Brady 663 – 687)

In addition to an ample discussion of common diabetic complications, this chapter also offers a thorough discussion of sickle cell anemia and clotting/coagulation disorders.



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Chapter 18 – Immunologic Emergencies (Brady 9e Chapter 21)

Pages 646 – 664 (Brady 688 – 710)

This chapter enables students to confidently identify local and systemic allergic reactions and provide prompt treatment for both. Additional information about rabies, human bites, and exotic pets is also offered.

Chapter 19 – Toxicology (Brady 9e Chapter 22)

Pages 668 – 696 (Brady 711 – 757)

Going above and beyond, this chapter promises to turn any EMT student into an amateur toxicologist. It contains excellent coverage of opiates/opioids, hypnotics, cholinergics, anticholinergics, sympathomimetics, and a number of other common toxins. Marijuana, alcohol, hallucinogens, and methamphetamines (including the unique scene safety issues surrounding production labs) are also emphasized as common drugs of abuse EMTs will likely encounter in the field.

Chapter 20 – Psychiatric Emergencies (Brady 9e Chapter 26)

Pages 700 – 720 (Brady 857 – 877)

Chapter 21 – Gynecologic Emergencies (Brady 9e Chapter 23)

Pages 724 – 740 (Brady 758 – 792)

This chapter enables student EMTs to efficiently suspect, recognize, assess, and treat an assortment of gynecologic emergencies including vaginal bleeding and pelvic inflammatory disease. The chapter also contains guidance to students about interviewing/counseling a victim of sexual assault.

SECTION 7 - TRAUMA

Chapter 22 – Trauma Overview (Brady 9e Chapter 27)

Pages 746 – 773 (Brady 880 – 905)

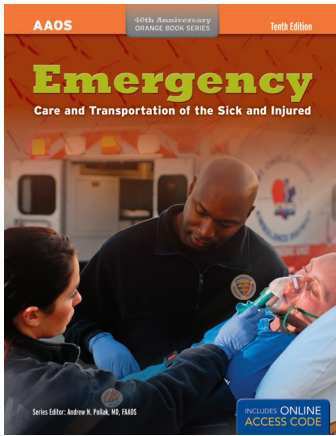
The information contained in this chapter enables student EMTs to both recognize obvious traumatic injuries and, after a thoughtful consideration of the mechanism of injury, suspect subtle ones. As in the Medical section, this chapter's excellent diagrams and images offer a preview of the assessment and treatment techniques to come, both to prepare and entice the student.

Chapter 23 – Bleeding (Brady 9e Chapter 28)

Pages 776 – 801 (Brady 906 – 952)

Chapter 24 – Soft Tissue Injuries (Brady 9e Chapter 28)

Pages 804 – 846 (Brady 906 – 952)



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Chapter 25 – Face and Neck Injuries (Brady 9e Chapter 33)

Pages 850 – 882 (Brady 1088 – 1113)

Excellent graphics and diagrams pepper this chapter in order to better enable students to quickly identify injuries to the eye, face, and neck. The detailed anatomy of the eye, ear, and other structures are covered in an easy-to-understand fashion.

Chapter 26 – Head and Spine Injuries (Brady 9e Chapter 31 & 32)

Pages 886 – 930 (Brady 1013 – 1087)

As in past editions of the text, this chapter opens with a review of the central and peripheral nervous systems. There is a nice walkthrough of spinal immobilization – including from a standing position – in the chapter as well.

Chapter 27 – Chest Injuries (Brady 9e Chapter 34)

Pages 934 – 961 (Brady 1114 – 1137)

This chapter will enable students to develop a high index of suspicion for specific traumatic chest injuries based on the mechanism of injury and patient history alone. Students will then learn to reinforce, modify, or refute those suspicions based on their physical examination.

Chapter 28 – Abdominal and Genitourinary Injuries (Brady 9e Chapter 35)

Pages 966 – 997 (Brady 1138 – 1151)

This chapter introduces students to the abdominal examination. Abdominal pathology can be confounding; students will learn to maintain high indices of suspicion for life-threatening and other serious conditions. The chapter provides valuable added guidance on interviewing and treating patients who may have been victims of sexual assault.

Chapter 29 – Orthopaedic Incidents (Brady 9e Chapter 30)

Pages 1000 – 1056 (Brady 978 – 1012)

Once again, this chapter outdoes itself with countless pictures and step-by-step skill drills. The basic and advanced concepts of musculoskeletal care are presented in such a way that learners of all abilities will master them with ease.

Chapter 30 – Environmental Emergencies (Brady 9e Chapter 24)

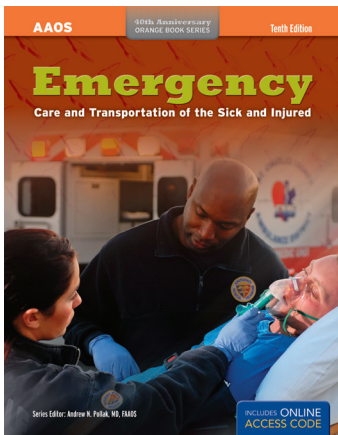
Pages 1060 – 1099 (Brady 793 – 835)

SECTION 8 – SPECIAL POPULATIONS

Chapter 31 – Obstetrics and Neonatal Care (Brady 9e Chapter 37)

Pages 1106 – 1141 (Brady 1170 – 1211)

This chapter clearly illustrates the various facets of emergency obstetrical care, childbirth and field delivery, and neonatal care/resuscitation. Special attention is given to delivery complications and newborn assessment. The techniques for neonatal resuscitation are current to 2005 AHA Guidelines.



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Chapter 32 – Pediatric Emergencies (Brady 9e Chapter 38)

Pages 1146 – 1209 (Brady 1212 – 1279)

Children are not just “little adults”, as this chapter will remind students. It contains information about general pediatrics and medical emergencies as well as pediatric trauma. Students will emerge with a newfound confidence when it comes to managing pediatric patients in a field environment. The chapter also contains critical information on the detection and response to child abuse/neglect.

Chapter 33 – Geriatric Emergencies (Brady 9e Chapter 39)

Pages 1214 – 1255 (Brady 1280 – 1308)

This chapter spotlights the anatomic and physiologic changes observed in aging individuals. Armed with this knowledge, students are better able to suspect and detect injuries and illnesses commonly seen in the elderly population. Much like the previous chapter, this one concludes with a sobering but critical discussion on the identification and response to elder neglect/abuse.

Chapter 34 – Patients with Special Challenges (Brady 9e Chapter 40)

Pages 1260 – 1278 (Brady 1309 – 1343)

Patients with disabilities can be challenging for the most seasoned EMS veteran. This chapter offers strategies for establishing communication and building rapport with persons with disabilities that includes emotional – not just medical – support.

SECTION 9 – EMS OPERATIONS

Chapter 35 – Lifting and Moving Patients (Brady 9e Chapter 6)

Pages 1284 – 1325 (Brady 110 – 141)

One wrong wrench of the back can end even the most promising career. This chapter reviews the strategies of lifting safely and moving patients around emergency scenes and to/from healthcare facilities.

Chapter 36 – Transport Operations (Brady 9e Chapter 41)

Pages 1330 – 1362 (Brady 1346 – 1374)

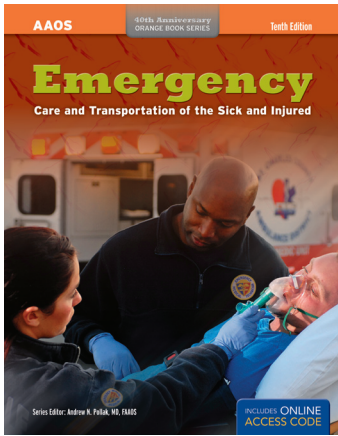
Chapter 37 – Vehicle Extrication and Special Rescue (Brady 9e Chapter 42)

Pages 1366 – 1383 (Brady 1375 – 1395)

Chapter 38 – Incident Management (Brady 9e Chapter 44)

Pages 1386 – 1420 (Brady 1418 – 1439)

What are the responsibilities of the first-arriving unit at a mass-casualty incident? This chapter provides the answer as well as the knowledge needed to establish response priorities and request the appropriate resources needed to manage an MCI.



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Chapter 39 – Terrorism Response and Disaster Management (Brady 9e Chapter 45)

Pages 1426 – 1453 (Brady 1440 – 1460)

Skills honed in this chapter will heighten the student EMT's awareness of terrorism as well as their disaster response capability. Highlights include a discussion of the types of terrorism, an overview of CBRNE incidents, and response to/mitigation of disasters.

SECTION 10 – ALS TECHNIQUES

Chapter 40 – ALS Assist

Pages 1462 – 1501 (Brady 1461 – 1467)

Skills contained in this chapter include advanced airway maneuvers (endotracheal intubation, multi-lumen airways, single lumen airway insertion, gastric tubes, and CPAP) as well as EKG monitoring and the basics of intravenous therapy. It prepares students to function as members of an advanced life support team.