

Phtls 7th Edition Instructor Manual

Product 15-2811

Acute Care Surgery is a comprehensive textbook covering the related fields of trauma, critical care, and emergency general surgery. The full spectrum of Acute Care Surgery is expertly addressed, with each chapter highlighting cutting-edge advances in the field and underscoring state-of-the-art management paradigms. In an effort to create the most definitive reference on Acute Care Surgery, an evidence-based approach is emphasized for all content included. Also, notable controversies are discussed in detail often accompanied by data-driven resolutions.

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Over three decades ago, PHTLS: Prehospital Trauma Life Support transformed the assessment and management of trauma patients in the field. Throughout the years and across the globe, the PHTLS course has improved the quality of trauma patient care and has saved lives. This UK localised edition continues the PHTLS mission to promote excellence in trauma patient management by all clinicians involved in the delivery of prehospital care through global education. This legendary programme was first developed by the National Association of Emergency Medical Technicians (NAEMT) in the early 1980s in cooperation with the American

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College of Surgeons Committee on Trauma (ACS-COT). The UK edition of this trusted and reliable resource is endorsed by the College of Paramedics. The text has been revised and updated to reflect current, evidence-based knowledge and practice, and brings the established course in line with national guidance to reflect the paramedic role within the UK. PHTLS promotes critical thinking as the foundation for providing quality care. It is based on the belief that prehospital clinicians make the best decisions on behalf of their patients when given a solid foundation of knowledge and key principles to fuel their critical-thinking skills. A Clear Approach to Assessing a Trauma Patient In the field, seconds count. PHTLS: Prehospital Trauma Life Support teaches and reinforces the principles of rapidly assessing a trauma patient using an orderly approach, immediately treating life-threatening problems as they are identified, and minimizing any delays in initiating transport to an appropriate destination. Dynamic Technology Solutions World-class content joins instructionally sound design with a user-friendly online interface to give instructors and students a truly interactive and engaging learning experience with:

- * eBook of the PHTLS Course Manual that reinforces key concepts presented in the PHTLS course
- * Video demonstrations of critical skills in the PHTLS Online Instructor ToolKit

BACKGROUND IN 1996, THE NAVAL SPECIAL

WARFARE COMMAND DEVELOPED A NEW SET OF TACTICALLY APPROPRIATE BATTLEFIELD TRAUMA CARE GUIDELINES NAMED TCCC. THE TCCC GUIDELINES WERE ADOPTED BY THE U.S. SPECIAL OPERATIONS COMMAND (USSOCOM) AND APPROVED BY THE AMERICAN COLLEGE OF SURGEONS (ACS) AND THE NATIONAL ASSOCIATION OF EMERGENCY MEDICAL TECHNICIANS. THE COMMITTEE ON TCCC WAS ESTABLISHED IN 2001 AND WAS DIRECTED TO FURTHER DEVELOP THE TCCC STANDARDS AND GUIDELINES. THE COMMITTEE ON TCCC FUNCTIONS AS A WORKING GROUP OF THE TRAUMA AND INJURY SUBCOMMITTEE OF THE DEFENSE HEALTH BOARD (DHB), WHICH HAS A CHARTER TO PROVIDE MEDICAL RECOMMENDATIONS TO ASD (HA) AND THE SERVICE SURGEONS GENERAL. TCCC CONCEPTS WERE INCORPORATED INTO THE 8404 CORPSMAN TRAINING CURRICULUM IN 2005. THE TCCC/CLS TRAINER COURSE WAS DEVELOPED IN 2006 TO PROVIDE CORPSMEN AS TRAINERS TO TEACH AND SUSTAIN TCCC STANDARDS TO CORPSMEN AND CLS SKILLS TO SELECTED MARINES WITHIN THE OPERATING FORCES. THE IMPLEMENTATION OF TCCC ACROSS ALL SERVICES HAS BEEN IDENTIFIED AS ONE OF THE CONTRIBUTING FACTORS TO THE

HIGHEST COMBAT CASUALTY SURVIVAL RATES IN HISTORY AND IS RECOMMENDED BY ASD (HA) FOR USE WHEN TRAINING COMBAT MEDICAL PERSONNEL, REF B. TCCC INFORMATION IS PUBLISHED IN THE PREHOSPITAL TRAUMA LIFE SUPPORT MANUAL (PHTLS), MILITARY EDITION, WHICH IS UPDATED EVERY FOUR YEARS. DEPARTMENT OF DEFENSE (DOD) APPROVED TCCC TRAINING CURRICULA ARE UPDATED ON THE DOD WEBSITE [MHS.OSD.MIL/EDUCATION AND TRAINING/TCCC.ASPX](https://mhs.osd.mil/education-and-training/tccc.aspx) AS THE TCCC GUIDELINES CHANGE. GOAL. ELIMINATE PREVENTABLE LOSS OF LIFE ON THE BATTLEFIELD. IN ACCOMPLISHING THIS GOAL, THE MOST RECENT TCCC GUIDELINES APPROVED BY DOD ARE TO BE UTILIZED AS A MEANS OF PROVIDING STANDARDIZED TRAINING TO THE MARINE CORPS AND IMPROVING FIRST RESPONDER CARE AT THE POINT OF INJURY. HISTORY OF TCCC: a. It is important to realize that civilian trauma care in a non-tactical setting is dissimilar to trauma care in a combat environment. TCCC and CLS are an attempt to better prepare medical and non-medical personnel for the unique factors associated with combat trauma casualties. b. Historical data shows that 90% of combat wound fatalities die on the battlefield before reaching a military treatment facility. This fact

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illustrates the importance of first responder care at the point of injury. c. TCCC was originally a US Special Operations research project which was composed of trauma management guidelines focusing on casualty care at the point of injury. d. TCCC guidelines are currently used throughout the US Military and various allied countries. e. TCCC guidelines were first introduced in 1996 for use by Special Operations corpsmen, medics, and pararescue (PJs). f. The TCCC guidelines are currently endorsed by the American College of Surgeons, Committee on Trauma and the National Association of Emergency Medical Technicians. The guidelines have been incorporated into the Prehospital Trauma Life Support (PHTLS) text since the 4th edition. STUDENT CURRICULUM: Tactical Combat Casualty Care/CLS Overview Identify Medical Fundamentals Manage Hemorrhage Maintain Casualty Airway Manage Penetrating Chest Injuries Manage Hemorrhagic Shock Manage Burn Casualties Perform Splinting Techniques Administer Battlefield Medications Perform Casualty Movement Perform Combat Lifesaver Triage Perform Combat Lifesaver Care Prehospital Trauma Life Support (PHTLS) revised reprint, is a unique, continuing education program that directly addresses trauma issues in the prehospital environment. Following the publication cycle of ATLS (Advanced Trauma Life Support) by

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the Committee on Trauma of the American College of Surgeons, the PHTLS program is designed to enhance and increase knowledge and skill in delivering trauma care. This revised fifth edition of the PHTLS textbook is the required book for the PHTLS course, and is also ideal for use as the trauma component of a paramedic course or as a general reference book on trauma assessment and management. It combines both basic and advanced trauma concepts and skills in one definitive resource and now features an entirely new chapter on evidence-based guidelines for military medicine, developed by the Committee on Tactical Combat Casualty Care. PLEASE NOTE: The Instructor's Manual and Slide Set are available for certified PHTLS Instructors ONLY. They are ordered through Mosby but customers must first obtain an "access code" from the National PHTLS office - (800) 94-PHTLS or (601) 924-7744. Individuals may also call the above numbers for information on HOW TO BECOME A PHTLS INSTRUCTOR. PHTLS Course Features: Provides CEUs for First Responders, EMTs, paramedics, nurses, & physicians; Proceeds from the course go to the NAEMT and thus are used to support the profession; It improves the quality of care (Research is available); Can be incorporated into initial training or as a stand-alone continuing education course; Promotes critical thinking as the foundation for providing quality care. PHTLS

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(Prehospital Trauma Life Support) is a continuing education program authored and administered by the PHTLS division of the National Association of EMTs (NAEMT) in conjunction with the Committee on Trauma of the American College of Surgeons. The PHTLS textbook is the required book for official PHTLS courses. However, it can also be used outside of the course, adopted or purchased as a stand-alone textbook or reference book. This one book covers both basic and advanced level training. More information on kinematics than any similar book on the market. Airway, Thoracic and Spinal Skills are presented in a heavily illustrated, step-by-step format. Consistent approach! Each body region chapter features info on anatomy and physiology, pathophysiology, assessment and management giving the reader a systematic way of looking at trauma. Chapter pedagogy includes: objectives, opening case scenario and scenario conclusion at the end of chapter, summary, review questions. Features a separate chapter on trauma care for the Military. **NEW TO THE REVISED 5TH EDITION: UPDATED and EXPANDED** chapter on Military Medicine to reflect the new evidence based guidelines for prehospital care in the tactical environment. This new content was developed in 2002 by the Committee on Tactical Combat Casualty Care, comprised of trauma specialists, operational medical officers, and combat medical personnel.

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NEW TO THE 5TH EDITION: NEW! A Companion CD-ROM is now included with every book. Contains video clips of all different airway and spinal skills used in PHTLS. Also includes info to download onto a PDA (such as the Glasgow Coma Scale, Revised Trauma Score, Rule of 9's, Parkland Formula and Pediatric Vital Signs). NEW! Chapter on Injury Prevention. Provides the reader with information on preventing injuries within their community. NEW! Chapter on Triage, Transport and Trauma Systems. Provides the reader with a "pull it all together" concept of how to triage a trauma patient, how and when to transport a trauma patient and where to transport a trauma patient. NEW! Chapter on the Golden Principles of Prehospital Trauma Care. Provides the reader with guidelines to put all the information together and critically think through every trauma patient. NEW! Information on prolonged transportation. NEW! References for every chapter and suggested reading lists. Providing evidence based prehospital trauma care. NEW! Drug table for commonly used drugs for pharmacologically assisted intubation. Provides general guidelines of current accepted drug use for intubation. NEW! Spinal Immobilization algorithm. Provides general guidelines for when spinal immobilization is appropriate for a trauma patient. ALL NEW PHOTOS! An entirely new set of photographs for the skills portion of this text. NEW! Face to Face

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Intubation is a procedure that provides advanced providers with an alternative method of intubating a trauma patient. **NEW SPINAL SKILLS!** - 2 person technique for standing longboard application and 2-person rapid extrication. Revised - Head Trauma chapter. Expanded coverage of the pathophysiology of secondary brain injury. Expanded coverage of the management of traumatic brain injury. Also now includes information on management of brain injury during prolonged transportation. Revised: Shock chapter. Now provides information on the complications of shock, expanded coverage on the assessment and confounding factors that contribute to shock, specific guidelines for appropriate use of the Pneumatic Antishock Garment (PASG), and more. Expanded! The Patient Assessment and Management chapter now includes expanded information on hemorrhage control and evaluating level of consciousness at the scene, pain management and assessing of domestic abuse. Expanded! Chapter on trauma in the elderly. Expanded coverage on the systematic effects of aging, the common mechanisms of injury in the elderly and special considerations in the management of the elderly in an ABCDE approach. **COMPANION CD-ROM:** Includes video presentations of more than 20 skills being performed in "real-time." These skills include: Airway Maneuvers, Dual Lumen Device insertion,

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Endotracheal Intubation (traditional, face-to-face, nasal), Helmet Removal techniques, Rapid Extrication (2 person and +2person), Standing Longboard Application (2 person and +2 person), and more!

The American Association for the Surgery of Trauma is dedicated to the discovery, dissemination, implementation, and evaluation of knowledge related to acute care surgery (trauma, surgical critical care, and emergency general surgery) by fostering research, education, and professional development in an environment of fellowship and collegiality.

The Tactical Emergency Casualty Care Course Manual is the printed component for the NAEMT's 16-hour continuing education Tactical Emergency Casualty Care (TECC) Course. It may be used by both instructors and students as a resource to prepare for the TECC course and as a reference that discusses the current best practices for EMS providers to utilize in the response to and care of patients in a civilian tactical environment. The TECC Course does not offer certification as a tactical medic it is intended to teach all EMS providers the best patient care and safety practices in a civilian tactical environment, such as an active shooting hostile event. Composed of 10 lessons, The TECC Course Manual will: Cover the phases of care in a civilian tactical environment, Describe step-by-step the life-saving skills that may be performed in a civilian

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tactical environment, Provide safety and survival strategies for EMS providers and their patients In addition to the TECC Course Manual, instructors may also purchase the TECC Online Instructors Toolkit (9781284483888). This resource features 10 lesson presentations in PPT, as well as interactive patient simulations and skill stations that allow students to gain experience in a safe environment monitored by experienced EMS providers.

Designed to teach EMS personnel how to function both effectively and safely in high-stress situations. Instructor CD contents include: Precourse materials -- Course materials -- Evaluation materials -- Resources.

Think back to a time when paramedics didn't exist. When "drivers" simply brought injured patients to the hospital. When the EMS industry was in its infancy. A time before Nancy Caroline. Dr. Caroline's work transformed EMS and the entire paramedic field. She created the first national standard curriculum for paramedic training in the United States. She also wrote the first paramedic textbook: *Emergency Care in the Streets*. The impact that Dr. Caroline had on EMS and health care spanned across the U.S. and abroad. From establishing EMS systems to training paramedics, to providing better nourishment and health care for orphans, her work had a profound impact on humanity. Throughout her life, Dr. Caroline brought a

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sense of excitement, joy, and humor to her work. The American Academy of Orthopaedic Surgeons is proud to continue Dr. Caroline's legacy. Her sense of excitement and humor live on in this text, which is dedicated to her. The Sixth Edition honors Dr. Caroline's work with a clear, fun, understandable writing style for which she was known. Welcome back a familiar training companion to your classroom! Say hello to Sidney Sinus, AV Abe, and a cast of memorable characters and amusing anecdotes. Make learning for your students more fun!

The only textbook approved for use by NAEMT's Advanced Medical Life Support course, this guide provides comprehensive, evidence-based coverage of basic and advanced concepts with an emphasis on critical thinking, leading to better outcomes for patients. Submit your application to become a Course Site today.

As the required textbook for NAEMTUs worldwide prehospital trauma life support courses, this is the definitive resource for learning basic and advanced prehospital trauma skills and concepts. Now revised and expanded to cover all aspects of military prehospital trauma with 12 new chapters, this edition is tailored expressly for the military.

Human factors is a scientific discipline which is used to understand the interacting elements and design of a complex system, aimed at improving system

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performance and optimising human well-being. This book brings together a range of specialist authors to explore some of the key concepts of human factors related to the field of paramedic practice. The system elements of paramedic practice can include the patient, the paramedic and their colleagues, the environment, the equipment, the tasks, and the processes and procedures of the organisation. The relationships between these components are explored in detail through chapters which cover 'human error', systems thinking, human-centred design, interaction with the patient, non-technical skills of individuals and teams, well-being of the paramedic, safety culture and learning from events. This helpful and informative guide provides frontline paramedics and ambulance clinicians with practical advice and knowledge of human factors that will be helpful in supporting safe and effective practice for all involved. It will also be of interest to pre-hospital care professionals who are involved in education, learning from events, procurement and influencing safety culture. Above all, it shows how an understanding and application of human factors principles can enhance system performance and well-being, and ultimately lead to safer patient care.

The third edition of the Emergency Ambulance Response Driver's Handbook is the essential resource for all professional drivers of ambulances. It provides drivers with a safe and effective basis for their driving practice as well as an understanding of how to minimise any risk to ambulance drivers, passengers and other road users. The book is designed to serve as both an

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introductory resource for self-learning or alongside a training course as well as a text which can help to refresh and enhance your existing knowledge. Since the publication of the second edition in 2014, the book has been comprehensively reviewed by a team of healthcare professionals and brought up to date with the newest regulations and best practice advice. With an additional four chapters, this book forms a vital part of the training of any driver of emergency response vehicles. The third edition of the Emergency Ambulance Response Driver's Handbook includes: New chapters on Driving Commentary, Re-Prioritisation of Calls, Navigation and Smart Motorways Up-to-date chapters on Legal Exemptions and Non-Exemptions, Driver Responsibility, Vehicle Inspections and Safety Systems, Attending Incidents and Eco-Driving Learning outcomes at the beginning of each chapter Up-to-date legislation and current guidance New chapters on Driving Commentary, Re-prioritisation of Calls, Navigation and Smart Motorways Full colour images to clarify driving advice and regulations Knowledge recap questions at the end of each chapter About the authorship This handbook was initiated by the Driver Training Advisory Group (DTAG) and is endorsed by the Association of Ambulance Chief Executives (AAACE), who recommend that it is used for ambulance driver instruction and education. Contents The Law in Relation to Ambulance Driving Legal Exemptions and Non-Exemptions Driver Characteristics and Responsibilities Driving Commentary Vehicle Daily Inspections and Pre-Driving Checks Automatic Gearboxes Vehicle Operating and Safety Systems

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Audible and Visual Warnings Lighting Regulations
Reversing and Manoeuvring Re-prioritisation of Calls
Navigation Attending Incidents Smart Motorways Eco-Driving

For undergraduate electrical engineering students or for practicing engineers and scientists interested in updating their understanding of modern electronics One of the most widely used introductory books on semiconductor materials, physics, devices and technology, Solid State Electronic Devices aims to: 1) develop basic semiconductor physics concepts, so students can better understand current and future devices; and 2) provide a sound understanding of current semiconductor devices and technology, so that their applications to electronic and optoelectronic circuits and systems can be appreciated. Students are brought to a level of understanding that will enable them to read much of the current literature on new devices and applications.

Teaching and Learning Experience This program will provide a better teaching and learning experience—for you and your students. It will help: Provide a Sound Understanding of Current Semiconductor Devices: With this background, students will be able to see how their applications to electronic and optoelectronic circuits and systems are meaningful. Incorporate the Basics of Semiconductor Materials and Conduction Processes in Solids: Most of the commonly used semiconductor terms and concepts are introduced and related to a broad range of devices. Develop Basic Semiconductor Physics Concepts: With this background, students will be better able to understand current and future devices.

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PHTLS: Prehospital Trauma Life Support, Military Edition consists of the PHTLS core content and features thirteen chapters written by military prehospital trauma care experts for practitioners in the military environment.

PHTLS: Prehospital Trauma Life Support, Military Edition is created in partnership between the National Association of Emergency Medical Technicians (NAEMT) and the Committee on Tactical Combat Casualty Care (C-TCCC). Since 1996, TCCC has improved the care rendered in combat prehospital environments. TCCC is the battlefield prehospital component of the Joint Trauma System, an organization within the United States Department of Defense that projects combat trauma care out to the point of injury and continues that care seamlessly while bringing the casualty home for recuperation and rehabilitation. TCCC guidelines are continuously revised and updated by C-TCCC, an all-volunteer group of military medicine and trauma care specialists. The membership of C-TCCC includes combat medics, corpsmen, and paramedics as well as physicians and physician assistants.

Written by over 100 internationally known experts, Trauma, 4/e comprehensively covers all aspects of trauma and surgical critical care, including the integral phases: prehospital, emergency department, surgery and the operating room, intensive care, and rehabilitation. This edition retains its well-organized and easy-to-read format with practical advice regarding procedures and management strategies in modern day trauma care. Now features new chapter commentaries, written by the leading specialists.

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Principles Of Ethics And Personal Leadership (PEPL) Provides EMS And Mobile Healthcare (MHC) Practitioners At All Levels With The Knowledge And Skills They Need To Effectively Interact With Patients And Their Families, Other Medical Personnel, Co-Workers, Supervisors, And The Community. The Course Provides Students With A Deeper Understanding Of The Basic Principles Of Ethical Leadership And Service To Patients, As Well As An Awareness Of The Leadership Challenges Facing Today's EMS And MHC Practitioners. This Course Assists Students In Identifying Their Personal Responsibility And Accountability For Ethical Decision Making And For The Exercise Of Ethical Servant Leadership For Themselves, Their Patients, And Their Profession. Many Communities Are Exploring New Models For Delivering Medical Care To Improve Patient Outcomes And Reduce Costs. Through Course Presentations, Discussions, And Learning Activities, This Interactive Course Offers Essential Foundational Training That Advances The Professional Development Of Participants. Students Successfully Completing The PEPL Course Will Be Eligible For Continuing Education Credits.

Brought up-to-date with the latest guidance, research and policy, this second edition of Ambulance Care Practice is an essential guide for paramedic students, trainee associate ambulance

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practitioners, those studying towards a certificate in first response emergency care and other ambulance clinicians. It provides a complete overview of the key skills, knowledge and understanding required to work at ambulance associate practitioner level or similar within the ambulance service, covering theoretical aspects and practical application, as well as a range of different clinical procedures and patient populations. Key features include:

- *Clearly illustrated, step-by-step instructions for range of essential clinical skills and procedures including how to handle different types of trauma and cardiac arrest
- *Detailed anatomical diagrams to provide the reader with the necessary context to carry out the practical elements of their job
- *Evidence-based throughout and up-to-date with the latest guidance, policy and research
- *Specific chapters on each area of patient assessment and specific patient populations and how to manage these effectively
- *Chapters relevant to associate practitioner level including drug administration, mental health and end of life care as well as an in-depth chapter on assisting the paramedic.

? In line with the National Education Network for Ambulance Services standards The book covers learning objectives from a range of courses offered by ambulance services. It is an essential resource for anyone wanting to prepare themselves for a role within the ambulance service as well as those hoping to become a more effective

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member of an emergency ambulance crew. APLS: The Pediatric Emergency Medicine Resource, Revised Fourth Edition offers the information necessary to assess and manage critically ill or injured children during the first hours in the emergency department. The Revised Fourth Edition of APLS is truly the body of knowledge in pediatric emergency medicine. If you want the newest, most comprehensive reference on pediatric emergency medicine, the Revised Fourth Edition will meet your needs. Developed by expert authors, editors, and faculty from both AAP and ACEP, the new APLS is a unique teaching and learning system for individual physicians, residents, students, and APLS instructors and course directors. The Fourth Edition of APLS has been revised and expanded to cover new conclusions drawn from reason, fact, and experience to the benefit of sick and injured children worldwide. Together, AAP and ACEP developed APLS into a new, stand-alone course, offering continuing medical education units and an APLS course completion card. The course is highly interactive with small group scenarios, hands-on skill stations, and case-based lectures. Text only. This product does NOT include a Resource Central Access Code Card. To purchase the text with a Resource Central Access Code Card, please use ISBN: 0-13-281811-6 For more than 30 years, International Trauma Life Support has been at

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the forefront of trauma education at all levels of emergency care worldwide. This practical, hands-on training offers a complete reference covering all skills necessary for rapid assessment, resuscitation, stabilization, and transportation of the trauma patient. Updated with new photos and the latest approaches to the care of the trauma patient, this seventh edition conforms to the most recent AHA/ILCOR guidelines for artificial ventilation and CPR.

The second edition of *Emergency and Trauma Care for Nurses and Paramedics* provides the most up-to-date and comprehensive coverage of clinical procedures and issues encountered in contemporary emergency care in Australia and New Zealand. Written by leading academics and clinicians, this fully revised and updated edition follows the patient's journey from pre-hospital retrieval to definitive care. With a strong focus on multidisciplinary care, this evidence-based emergency and trauma resource will appeal to pre-hospital care providers, rural, remote and urban emergency nurses and allied health professionals, as well as disaster management and interfacility transport staff. Essential concepts are covered in a logical order, commencing with: An introduction to emergency professions and professional issues
Clinical and health systems
Patient presentations ordered by body system as well as toxicology,

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envenomation, ocular, environmental emergencies and unique population groups Major trauma assessment and management and end-of-life care information and considerations. Emergency and Trauma Care for Nurses and Paramedics 2e continues to be the pre-eminent resource for students preparing to enter the emergency environment and for clinicians seeking a greater understanding of multidisciplinary care from retrieval through to rehabilitation. A cultural safety approach is included throughout - addressing cultural diversity, beliefs and values and focusing on Aboriginal and Torres Strait Islander health and Māori health Essentials outline the main points addressed in each chapter Practice tips throughout assist with communication skills, procedures and assessment Case studies are supported by questions and answers to encourage active learning New online resources available on Evolve, including over 30 new case studies with paramedic-specific questions. Highlighted skills - cross references to the Clinical Skills chapter throughout text Over 30 new case studies Patient journey from pre-hospital and emergency-specific case studies Critical thinking questions at the end of chapters Chapter 35 Obstetric emergencies now includes 'Supporting a normal birth'.

"Prehospital Trauma Life Support (PHTLS) is the comprehensive, internationally renowned resource

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for learning basic and advanced prehospital trauma skills and concepts. This textbook will now serve as a primary reference text for PHTLS courses, accompanied by a course manual. Fully revised and updated, the ninth edition provides trauma treatment and guidelines that are proven to reduce morbidity and mortality. Market Information: Appropriate for first responders"--

Acute Psychiatric Emergencies is designed for all medical and healthcare professionals working with patients in mental health crisis. This manual is a key component of the Acute Psychiatric Emergencies (APEX) course, which uses a structured approach developed by leading psychiatry and emergency medicine specialists with years of practical experience. This valuable resource provides a practical approach for dealing with mental health emergencies, helping healthcare professionals from different specialties speak a common language and develop a shared understanding that expedites excellent care. The manual outlines the assessment and management of patients who have self-harmed, those that are apparently drunk, the patient behaving strangely, the patient with acute confusion, and those that are aggressive. Presents a structured, practical approach for the emergency care of patients presenting in acute psychiatric crisis Covers common presentations of psychiatric emergencies Emphasises close co-operation of emergency and

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mental health teams Offers content designed jointly by practicing psychiatrists and emergency physicians from the Advanced Life Support Group (ALSG) Acute Psychiatric Emergencies will be useful for practitioners of emergency medicine, psychiatry, emergency and mental health nursing as well as other mental health and crisis care professionals. The Joint Royal Colleges Ambulance Liaison Committee guidelines are the essential resource for paramedics. The 2019 edition of the book has been brought up to date with the latest evidence and developments in clinical practice. JRCALC combines expert advice with practical guidance to help paramedics in their challenging roles with the overall objective of improving patient care. Key updates are:

- *Resuscitation and cardiac arrest. The pathophysiology of cardiac arrest, checklist use and pulseless electrical activity is discussed extensively within the context of every day out of hospital practice. A new guideline on tracheostomy and laryngectomy is included, alongside clinical skills photographs.
- *Consent and patient confidentiality. The guideline is brought up to date with the Data Protection Act 2018 following the General Data Protection Regulations.
- *Mental health presentation: crisis, distress and disordered behaviour. A reviewed guideline supports the clinician with practical help on the assessment and management of different mental health illnesses.
- *Major, complex and high risk

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Incidents. A revision by the National Ambulance Resilience Unit covers poisons, rail incidents and police incapacitants. *New medicines are included: Activated charcoal, duodote and morphine sulfate for end of life care. *Other reviews and updates include: head injury, hyperventilation syndrome, stroke, respiratory illness in children and acute coronary syndrome.

"This brand new title in the ABC series provides a comprehensive overview of pre-hospital medicine, including transport, patient assessment, emergency care systems, and pre-hospital interventions. With pre-hospital care being the start of the "trauma chain", the treatment patients receive on-scene as well as en-route can be life-saving, and this new title is invaluable for all staff involved in emergency and pre-hospital medicine"--Provided by publisher.

Now published in partnership with the National Association of EMTs, the Second Edition of this national continuing education curriculum is the most credible and complete source of prehospital medical information for the older population. Geriatric Education for Emergency Medical Services (GEMS), Second Edition builds off the previous edition and includes expanded content that will cover new areas addressed in the National EMS Education Standards, including mobile integrated healthcare and disasters. The GEMS course is an innovative, comprehensive, and highly interactive 1-day course

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for both BLS and ALS providers with:
Online Precourse Modules
Case-based lectures
Live action video
Hands-on skill stations
Small group scenarios
New to the Second Edition: A 2-day ALS course option is also available, featuring 8 hours of interactive online modules. The online courseware provides more advanced, in-depth content for ALS providers and explores the role of mobile integrated healthcare in improving the quality of life for older patients.

The Essentials of Law Enforcement Emergency Response
Public safety professionals and emergency responders today face greater threats than ever before in our history. The traditional role of law enforcement has vastly expanded to require extraordinarily broad-based emergency response capabilities. Law Enforcement Responder: Principles of Emergency Medicine, Rescue, and Force Protection prepares homeland security leaders, law enforcement officers, security professionals, and public safety officials for the wide range of emergency responses they must perform on a daily basis. Law Enforcement Responder explores the vast array of law enforcement demands for emergency responses including resuscitation, trauma, and illness, as well as the essential considerations for special populations such as children and the elderly. The textbook addresses all of the competency statements in the National EMS Education

Standards at the Emergency Medical Responder level, as well as additional lifesaving content specific to law enforcement that far exceeds the core curriculum. Law Enforcement Responder accommodates the tremendous diversity in the modern law enforcement mission by providing current and expert emergency medicine content in a highly adaptable format. Nationally recognized experts present key mission-specific topics, including police officer survival, tactical medicine, executive protection, active shooter response, canine first aid, military medicine, travel medicine, in-flight emergencies, ordnance ballistics, less lethal munitions, incarceration and prisoner care, fire-rescue and hazardous materials, and much more. There currently is a clear tendency to an increasing number of accidental injuries in elderly people, in sport injuries and car crashes also in countries which recently joined the European Union and candidates to join the European Union. Patients expect very good functional results even after serious injuries. But in contrast to this development, Trauma Surgery as an independent field, is not yet established in all European countries. Therefore, it seems mandatory to compile a book that covers the state-of-the-art in Trauma Surgery. The book also serves to harmonise the practice of Trauma Surgery within the European Union, and to prepare for the exam of the U.E.M.S.

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