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## 51E - MACK ALEXANDER

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Breeding Oilseed Crops for Sustainable Production: Opportunities and Constraints presents key insights into accelerating the breeding of sustainable and superior varieties. The book explores the genetic engineering/biotechnology that has played a vital role in transforming economically important traits from distant/wild species to cultivated varieties, enhancing the quality and quantity of oil and seed yield production. Integrated nutrient management, efficient water management, and forecasting models for pests diseases outbreaks and integrated pest and pest management have also added new dimensions in breeding for sustainable production. With the rise in demand, the scientific community has responded positively by directing a greater amount of research towards sustainable production both for edible and industrial uses. Covering the latest information on various major world oil crops including rapeseed mustard, sunflower, groundnut, sesame, oil-palm, cotton, linseed/flax, castor and olive, this book brings the

latest advances together in a single volume for researchers and advanced level students. Describes various methods and systems to achieve sustainable production in all major oilseed crops Addresses breeding, biology and utilization aspects simultaneously including those species whose information is not available elsewhere Includes information on modern biotechnological and molecular techniques and production technologies Relevant for international government, industrial and academic programs in research and development

Music moves through time; it is not static. In order to appreciate music we must remember what sounds happened, and anticipate what sounds might come next. This book takes you on a journey of music from past to present, from the Middle Ages to the Baroque Period to the 20th century and beyond!

Rossi's Principles of Transfusion Medicine is the most comprehensive and practical reference on transfusion science and medicine available. It features brand new chapters on the measurement of cell kinetics, obstetric transfusion practice, cord blood, transfu-

sion alternatives and regenerative medicine. Produced jointly with AABB, the world's leading association in the fields of blood banking and transfusion medicine, it now has two companion CD-ROMs-one containing interactive case studies and one containing PDFs of all 66 chapters.

Using a practical approach, the Manual of Veterinary Transfusion Medicine and Blood Banking provides veterinary practitioners with evidence-based guidelines to refer to at the clinical practice level. Provides evidence-based information on transfusion medicine and blood banking practices Presents sections on recipient screening, donor selection, blood collection and storage, and how to meet blood product demands Includes useful protocols for transfusions and blood banking relevant to clinical practice Incorporates the balanced perspectives of veterinarians and veterinary technicians Contains information pertaining to large, small, and exotic animals

The book attempts to provide the essential information that post-graduates throughout India need to capture to effectively address the health problems that our children and youth may face in the times to come. Our objective is to be comprehensive yet concise and reader friendly, embracing both the new advances in science as well as the time-honored art of pediatric practice. Both Indian and international experts in respective fields have provided the details which have been further scrutinized for exposition and usefulness to pediatric postgraduates by a chosen team of eminent academicians. We have liberally included tables, line diagrams, images, clinical photographs, illustrative figures, flowcharts and algorithms in the main text. The book is divided in 10 major Parts

and further arranged into 51 Sections to cover all aspects of post-graduate pediatric curriculum. Themes which have major public health relevance for India are extensively covered. It is almost impossible to cover all pediatric problems with the same degree of detail and hence a careful balance has been made in the details of description of diseases and their management to the needs of the students, and to keep the book to a manageable size. Take-home messages are provided at the end of each chapter. Selected recent references, mostly leading articles, reviews and position statements, are provided for more detailed information if desired by the student or the teacher.

Immunohematology: Principles and Practice, Third Edition an ideal text for anyone who wants to master the theory and practices of today's blood banking.

Rossi's Principles of Transfusion Medicine is the most comprehensive and practical reference on transfusion science and medicine available Led by a world class Editor team, including two past-presidents of AABB, a past- President of the American Board of Pathology and members of the FDA Blood Products Advisory Committee , and international contributor team Comprehensive reference resource, considered the gold standard in transfusion Covers current hot topics such as donor care - including the frequency of donation and management of iron deficiency/status), patient blood management, hemovigilance, cstem cell therapies, and global aspects of the organization of transfusion and transplant services New material on molecular immunohematology Companion website includes figures, full text and references

"Blood transfusion is a life-saving intervention that has an essential role in patient management within health care systems. All

Member States of the World Health Organization (WHO) endorsed World Health Assembly resolutions WHA28.72 (1) in 1975 and WHA58.13 (2) in 2005. These commit them to the provision of adequate supplies of safe blood and blood products that are accessible to all patients who require transfusion either to save their lives or promote their continuing or improving health." --Preface.

«Facade Construction Manual» provides a systematic survey of contemporary expertise in the application of new materials and energy-efficient technologies in facade design. It surveys the facade design requirements made by various types of buildings, as well as the most important materials, from natural stone through to synthetics, and documents a diversity of construction forms for a wide range of building types.

Rely on Rosen's Emergency Medicine for the latest answers on every facet of emergency medicine practice. For decades, this medical reference book has set the standard in emergency medicine, offering unparalleled comprehensiveness, clarity, and authority - to help you put the latest and best knowledge to work for your patients in the ER. Consult this title on your favorite e-reader, conduct rapid searches, and adjust font sizes for optimal readability. Compatible with Kindle®, nook®, and other popular devices. Practice confidently with easily actionable, dependable guidance on the entire breadth of emergency medicine topics. Get expert guidance on how to approach specific clinical presentations in the ER. The "Cardinal Presentations Section" provides quick and easy reference to differential diagnosis and directed testing for fever in the adult patient; dizziness and vertigo; chest pain; and over 20 other frequently seen presentations in the emergency depart-

ment. Effectively apply the newest emergency medicine techniques and approaches, including evidence-based therapies for shock; high-cost imaging; evaluation and resuscitation of the trauma patient; cardiovascular emergencies; evaluation and risk stratification for transient ischemic attack (TIA) patients; and much more. Locate the answers you need quickly thanks to a user-friendly, full-color design, complete with more illustrations than ever before. Access the complete contents on the go from your laptop or mobile device at Expert Consult, fully searchable, with links to PubMed.

Highly Commended - 2010 BMA Medical Book Awards An essential, practical manual for all those working in transfusion medicine Concise and user-friendly guide to transfusion medicine Focuses on clinical aspects but also covers background science and organizational issues Complications encountered in transfusion are addressed throughout Highlights controversial issues and provides advice for everyday clinical questions in transfusion medicine This comprehensive guide to transfusion medicine takes a practical and didactic approach. The third edition of this text includes many new contributions and has expanded to seven sections. The first of these takes the reader systematically through the principles of transfusion medicine. The second deals with the complications which can arise in transfusion and is followed by a section on the practice of transfusion in blood centres and hospitals. The fourth section covers clinical transfusion practice and the fifth looks at alternatives to transfusion. Section six addresses cellular and tissue therapy and organ transplantation and the final section of the book examines the development of the evidence base for transfusion. As with previous editions; the final section in-

cludes a visionary chapter on future advances in the field. This new edition of Practical Transfusion Medicine benefits from even more international authorship than the previous two editions and is an invaluable resource for trainee doctors, scientists, technicians and other staff in haematology and transfusion and as a reference book for clinical staff in haematology and other disciplines faced with specific problems.

“Both authors have dealt in an authoritative way with the still rapidly expanding specialty and the eleventh edition of the book will be of the greatest value to all who are interested in the scientific and practical aspects of blood transfusion in clinical medicine.” From the Foreword by Professor P.L. Mollison Highly respected, long-established book that has become the “bible” in transfusion medicine Why Buy This Book? Provides a sound basis for understanding modern transfusion medicine Definitive reference source for any clinician involved with patients requiring transfusion and for all staff working in transfusion services, immunohaematology laboratories and bloodbanks Highly practical advice on management issues for the clinician Completely revised and updated to reflect the rapid pace of change in transfusion medicine Written by two of the world's leading experts in the field

The WHO guidelines on assessing donor suitability for blood donation have been developed to assist blood transfusion services in countries that are establishing or strengthening national systems for the selection of blood donors. They are designed for use by policy makers in national blood programmes in ministries of health, national advisory bodies such as national blood commissions or councils, and blood transfusion services.

Updated and easy-to-use, Linne & Ringsrud's Clinical Laboratory Science: The Basics and Routine Techniques, 6th Edition delivers a fundamental overview of the laboratory skills and techniques essential for success in your classes and your career. Author Mary Louise Turgeon's simple, straightforward writing clarifies complex concepts, and a discipline-by-discipline approach helps you build the knowledge to confidently perform clinical laboratory tests and ensure accurate, effective results. Expert insight from respected educator and author Mary Louise Turgeon reflects the full spectrum of clinical laboratory science. Engaging full-color design and illustrations familiarize you with what you'll see under the microscope. Streamlined approach makes must-know concepts and practices more accessible. Broad scope provides an ideal introduction to clinical laboratory science at various levels, including MLS/MLT and Medical Assisting. Hands-on procedures guide you through the exact steps you'll perform in the lab. Learning objectives help you identify key chapter content and study more effectively. Case studies challenge you to apply concepts to realistic scenarios. Review questions at the end of each chapter help you assess your understanding and identify areas requiring additional study. A companion Evolve website provides convenient online access to procedures, glossary, audio glossary and links to additional information. Updated instrumentation coverage familiarizes you with the latest technological advancements in clinical laboratory science. Perforated pages make it easy for you to take procedure instructions with you into the lab. Enhanced organization helps you study more efficiently and quickly locate the information you need. Convenient glossary provides fast, easy access to definitions of key terms.

This book provides a comprehensive overview of benign hematologic disorders in children. Divided into nine sections, the text reviews common hematologic disorders or conditions that affect children, while providing state-of-the-art information on pathophysiology, diagnosis, treatment, and management strategies. The text begins with a section on hematopoiesis, and the next section covers red blood cell disorders. The following sections provide overviews of platelet disorders, white blood cell disorders, and coagulation disorders. The sixth and seventh sections discuss neonatal hematology and bone marrow failure syndrome. The eighth section reviews supportive care, while the final section covers miscellaneous subjects including pediatric vascular anomalies and complement dysregulation syndromes. Written by experts in the field, *Benign Hematologic Disorders in Children: A Clinical Guide* is a valuable resource for clinicians and practitioners who treat children afflicted with these disorders.

*Transfusion Medicine and Hemostasis* is a manual-style book that links transfusion medicine and hemostasis to laboratory methods and diagnostic tests engaged in routine and specialized coagulation laboratories. The book is divided into two main parts with chapters that are brief and readable. The first main part of the book is subdivided into blood banking and transfusion medicine. Under blood banking, the chapters cover blood collection, donation process, component manufacturing, donor testing and storage; transfusion-medicine chapters examine the components for transfusion, pre-transfusion immunohematology testing, blood groups, blood products and their modifications, approaches to transfusion therapy in specific clinical settings, and transfusion reactions and complications. In addition, chapters that talk about

apheresis, cellular therapy, and tissue banking in the hospital setting are included. Hemostasis, the second main part of the book, is subdivided into three sections. The first section, clinical coagulation, includes chapters about neonatal thrombocytopenia, inherited platelet function disorders, immune thrombocytopenia, immune-mediated coagulopathies, congenital bleeding disorders, and acquired bleeding disorders. The second section relates to laboratory testing of coagulation, with chapters about laboratory assessments of platelet disorders, von Willebrand disease, coagulation factor disorders, fibrinogen and fibrinolysis, tests for hypercoagulable state and for activation of the coagulation system, and laboratory support for anticoagulation. The third section discusses coagulation factor products. This book will be valuable for the education of trainees, practitioners, and future leaders in these fields.

Now in its fifth edition, *Medical Management of the Surgical Patient: A Textbook of Perioperative Medicine* has been fully revised and updated, and continues to provide an authoritative account of the important aspects of perioperative care for surgical patients. Including recommendations for the best appropriate treatment of patients, it provides an evidence-based approach for consulting physicians to care for patients with underlying medical conditions that will affect their surgical management. New information in the medical section includes chapters on performing the medical consult, asthma, and transplantation. The latest minimally invasive surgical techniques are included, with new chapters on thoracic aortic disease, reconstruction after cancer ablation, lung transplantation, esophagomyotomy, vasectomy,

and thyroid malignancies, amongst others. With detailed descriptions of nearly 100 operations, highlighting their usual course, as well as their common complications, the book encourages learning from experience. This definitive account includes numerous contributions from leading experts at national centers of excellence. It will continue to serve as a significant reference work for internists, hospitalists, anesthesiologists, and surgeons.

Thoroughly revised and updated for its Fourth Edition, this highly acclaimed volume is the most comprehensive reference on hospital epidemiology and infection control. Written by over 150 leading experts, this new edition examines every type of hospital-acquired (nosocomial) infection and addresses every issue relating to surveillance, prevention, and control of these infections in patients and in healthcare workers. This new edition features new or significantly increased coverage of emerging infectious diseases, avian influenza, governmental regulation of infection control and payment practices related to hospital-acquired infections, molecular epidemiology, the increasing prevalence of community-acquired MRSA in healthcare facilities, system-wide infection control provisions for healthcare systems, hospital infection control issues following natural disasters, and antimicrobial stewardship in reducing the development of antimicrobial-resistant organisms.

Ever since the discovery of blood types early in the last century, transfusion medicine has evolved at a breakneck pace. This second edition of *Blood Banking and Transfusion Medicine* is exactly what you need to keep up. It combines scientific foundations with today's most practical approaches to the specialty. From blood collection and storage to testing and transfusing blood compo-

nents, and finally cellular engineering, you'll find coverage here that's second to none. New advances in molecular genetics and the scientific mechanisms underlying the field are also covered, with an emphasis on the clinical implications for treatment. Whether you're new to the field or an old pro, this book belongs in your reference library. Integrates scientific foundations with clinical relevance to more clearly explain the science and its application to clinical practice. Highlights advances in the use of blood products and new methods of disease treatment while providing the most up-to-date information on these fast-moving topics. Discusses current clinical controversies, providing an arena for the discussion of sensitive topics. Covers the constantly changing approaches to stem cell transplantation and brings you the latest information on this controversial topic.

In the absence of the substitutes, the use of blood components remains essential in therapy. This guide contains a compendium of measures designed to ensure their safety, efficacy and quality, and is particularly intended for blood transfusion services. In accordance with the approach recommended by the Council of Europe in this field, it starts from the premise of voluntary and non-remunerated blood donation and lays down the principles to be followed in the selection of donors and the collection of blood. It describes, in monograph form, the different blood components, emphasises measures required for quality assurance and gives information on their clinical indication and possible side effects.

This is the premier evidence-based textbook in critical care medicine. The Third Edition features updated and revised chapters, numerous new references, streamlined content, and

new chapters on key topics such as the new paradigm in critical care medicine, cardiac output monitoring, surgical optimization, vital signs, and arterial blood gas analysis. The book maintains the author's trademark humor and engaging writing style and is suitable for a broad and diverse audience of medical students, residents, fellows, physicians, nurses, and respiratory therapists who seek the latest and best evidence in critical care. From reviews of previous editions: "This is an excellent introduction to the concept of evidence-based medicine...The writing is clear, logical, and highly organized, which makes for fast and enjoyable reading. I believe this book will get daily use in most intensive care units, by a wide range of readers." -Respiratory Care "This is one of the most comprehensive handbooks on critical care medicine with a strong emphasis on evidence base...Overall, this book should be useful for junior doctors or intensive care trainees who are starting their term in an intensive care unit." -Anaesthesia and Intensive Care

Join the generations of students who have embarked on successful careers with a firm foundation in the theory and practice of blood banking and transfusion practices. Denise Harmening's classic text teaches you not only how to perform must-know tests and tasks, but to understand the scientific principles behind them. You'll begin with a review of the basic concepts of red blood cell and platelet preservation, genetics, immunology, and molecular biology. Then you'll move to the hows and whys of clinical practice. And, you'll be prepared for new advances in the field.

Due to a high incidence of anemia, critically ill patients are frequently transfused, with up to 40% of patients receiving a transfu-

sion during their stay in the Intensive Care Unit. It has become increasingly clear that there is an association between transfusion and adverse outcomes, underlining the need for a careful assessment of the risks and benefits of a blood transfusion. In the last decade, there have been several large clinical trials that have studied red blood cell transfusion triggers in various ICU patient populations, allowing us to take a personalized approach to transfusion. Moreover, ICU patients often suffer from coagulopathy. Recent studies have addressed the effectiveness of fresh frozen plasma and platelets to prevent or treat bleeding. Aiming at a personalized therapy approach in transfusion practice, this book is the first to offer a comprehensive summary of transfusion triggers for red blood cells in specific ICU patient populations and specific conditions. In addition, it discusses evidence for triggers for plasma and platelets and outlines the most common adverse effects of transfusion in the ICU. Transfusion in the Intensive Care Unit is a practical handbook that can be used in everyday practice to guide transfusion and thus will serve as a valuable resource for physicians, fellows and residents working in Intensive Care, Anesthesiology and Cardiac Surgery.

This text is a review of molecular immunohematology (MI). It draws from analyses and case studies around the world and details many techniques used in many labs. It is aimed at anyone interested in how MI is changing blood bank and transfusion medicine.

This new book explores clinical information in the tissue transplantation field and acts as a comprehensive learning tool to comply with regulatory requirements. Broad in scope, coverage includes

all the traditionally transplanted tissues and moves into more complex areas of tissue grafting and the assisted reproduction fields. This useful text focuses on the potential for disease transmission, ways to improve safety, and the role of the clinician in these safety aspects. The book starts off by describing non-surgical risks of using allografts and moves onto chapters devoted completely to tissue- or cell-specific issues relating to transplantation of the individual types of tissues or cells. Tissue and Cell Clinical Use: An Essential Guide is the final book in a series which covers all aspects of tissue banking, donation, processing, and transplantation. Each book in the series includes lists of learning points and case studies which consist of sample processing protocols, descriptions of where processing went wrong, sample risk assessments, or validation studies. This three-book series covers all you need to know about tissue banking.

Platelets — winner of a 2013 Highly Commended BMA Medical Book Award for Internal Medicine — is the definitive current source of state-of-the-art knowledge about platelets and covers the entire field of platelet biology, pathophysiology, and clinical medicine. Recently there has been a rapid expansion of knowledge in both basic biology and the clinical approach to platelet-related diseases including thrombosis and hemorrhage. Novel platelet function tests, drugs, blood bank storage methods, and gene therapies have been incorporated into patient care or are in development. This book draws all this information into a single, comprehensive and authoritative resource. Highly Commended BMA Medical Book Award 2013: Internal Medicine Comprehensive and definitive source of knowledge about platelets for clinicians, pathologists and scientists Integrates the entire field of platelet bi-

ology, pathophysiology, and clinical medicine Full color reference comprising 64 chapters, 1400 pages, and 16,000 references Contributions from 126 world leaders in their fields New chapters on topics such as the regulation of platelet life span, platelet microRNAs, GPVI and CLEC-2, monitoring of antiplatelet therapy, novel antiplatelet therapy, and making platelets ex vivo

Over 380 total pages ... 1. FULL TITLE: U.S. SPECIAL OPERATIONS COMMAND's TACTICAL TRAUMA PROTOCOLS (TTPs) TACTICAL MEDICAL EMERGENCY PROTOCOLS (TMEPs) RECOMMENDED DRUG LIST (RDL) CANINE TACTICAL COMBAT CASUALTY CARE For SPECIAL OPERATIONS ADVANCED TACTICAL PARAMEDICS (SO-ATPs) - December 2016 CONTENTS By SECTION: SECTION 1: TACTICAL TRAUMA PROTOCOLS SECTION 2: TACTICAL MEDICAL EMERGENCY PROTOCOLS SECTION 3: RECOMMENDED DRUG LIST SECTION 4: CANINE COMBAT CASUALTY CARE (C-TCCC) SECTION 5: BURN QUICK REFERENCE GUIDE SECTION 6: NERVE CHARTS 2. FULL TITLE: Tactical Combat Casualty Care Handbook, Version 5 - May 2017 CONTENTS By CHAPTER: Chapter 1. Tactical Combat Casualty Care Overview Chapter 2. Tactical Combat Casualty Care Phases of Care Chapter 3. Tactical Combat Casualty Care Medical Equipment Chapter 4. MARCH/PAWS Treatment Algorithms Chapter 5. Tactical Combat Casualty Care-All Combatants Chapter 6. Tactical Combat Casualty Care-Medical Provider Appendix A. Tactical Combat Casualty Care Card Appendix B. Tactical Combat Casualty Care After Action Report Appendix C. Medical Triage Categories Appendix D. Medical Evacuation Precedence Categories Appendix E. 9-Line Request With MIST Report Appendix F. Prolonged Field Care Appendix G. Drug Reference Guide Appendix H. Medical Transition Guidelines in a Tactical Envi-



ronment Appendix I. Medical Planning Functions Appendix J. Tactical Combat Casualty Care Background Appendix K. References

With a strong focus on the key areas included on the NCLEX-RN Exam's "management of care" section, *Nursing Delegation and Management of Patient Care, 2nd Edition* prepares you to successfully prioritize, assign, and delegate nursing care to other members of the health care team. It provides the latest information on the roles and responsibilities of the staff nurse related to the management of patient care, the core competencies required of the nurse caring for patients, as well as a wide range of leadership and management concepts nurses need to confidently manage patients within a hospital unit. This new edition is organized according to the new 2014 Magnet Standards of Practice to help you learn the skills and competencies magnet status hospitals require when hiring nurses. Learning objectives, key terms, critical thinking case scenarios, and application exercises in each chapter provide you with plenty of opportunities for review. A trusted author team with years of teaching experience in nursing leadership and management introduce current content related to the management of patient care in today's health care setting. NEW! A new table of contents reorganized according to the 2014 Magnet Standards. NEW! Addresses the competencies of the nurse's role with respect to the 2014 Magnet Standards. Coverage includes the latest information on the roles and responsibilities of the manager of patient care position, core competencies required of nurses caring for patients, and a wide range of management concepts new nurses need to know before entering practice. Emphasis on the NCLEX Exam "management of care" areas that you will be tested on, such as prioritization, delegation, and

assignment. Clinical Corner and Evidence-Based Practice boxes within most chapters include real-world tips and advice on patient and client management, plus the latest research on practices relevant to chapter topics. NEW! End-of-chapter and Evolve NCLEX questions include analysis and application-level questions. NEW! The latest RN design gives this edition a fresh new feel that is easier to follow.

This is the guide to tissue and cell donation that you have been waiting for. Policies and practices reviewed using specific donor case histories as examples. Multidisciplinary, multi-national team of editors and contributors, with expertise in ethics, consent, transplantation, microbiology and tissue and cell banking. Provides a guide to easier and safer practice in referrals, tissue procurement, cord blood collection and decision making in general. This unique book explores a range of issues related to the human impact of tissue and cell donation programmes around the world. It addresses the areas that are of key concern and have profound implications for the donors, recipients and healthcare professionals involved. Focusing on tissue, assisted reproduction and hematopoietic stem cells this book is essential reading for all those working in the field of human transplant donation and those who regulate this field. Over 700 total pages ... The JTS Clinical Practice Guidelines (CPGs) are to the greatest extent possible evidence-based. The guidelines are developed using a rigorous process that involves subject matter experts in each field evaluating the best available data. If you are interested in learning more about the process of developing CPGs, please click this link: [CPG Development Process](#). This guide for CPG development will help lead you through

the methods used to develop and monitor CPGs. The JTS remains committed to using the highest levels of analytical and statistical analysis in its CPG development process. COMPLETE LIST OF CURRENT JTS CPGs JTS CPG Documentation Process - 01 December 2017 Acute Extremity Compartment Syndrome - Fasciotomy - 25 July 2016 Acute Respiratory Failure - 23 January 2017 Airway Management of Traumatic Injuries - 17 July 2017 Amputation - 1 July 2016 Anesthesia - 23 Jun 2016.pdf Aural Blast Injury/Acoustic Trauma and Hearing Loss - 12 Aug 2016 Battle/Non-Battle Injury Documentation Resuscitation Record - 5 Dec 13 Blunt Abdominal Trauma, Splenectomy, and Post-Splenectomy Vaccination - 12 August 2016 Burn Care - 11 May 2016 Catastrophic Non-Survivable Brain Injury 27 Jan 2017 Cervical & Thoracolumbar Spine Injury Evaluation, Transport, and Surgery in Deployed Setting - 05 August 2016 Clinical Mgmt of Military Working Dogs Combined - 19 Mar 2012 Clinical Mgmt of Military Working Dogs Zip - 19 Mar 2012.zip Damage Control Resuscitation - 03 Feb 2017 DCoE Concussion Management Algorithm Cards.pdf DoD Policy Guidance for Management of Mild Traumatic Brain Injury/Concussion in the Deployed Setting Drowning Management - 27 October 2017 Emergent Resuscitative Thoracotomy - 11 June 2012 Fresh Whole Blood Transfusion - 24 Oct 12 Frostbite and Immersion Foot Care - 26 Jan 2017 Frozen Blood - 11 July 2016 High Bilateral Amputations and Dismounted Complex Blast Injury - 01 August 2016 Hyperkalemia and Dialysis in the Deployed Setting - 24 January 2017 Hypothermia Prevention - 20 Sept 2012 Infection Prevention in Combat-Related Injuries - 08 August 2016 Inhalation Injury and Toxic Industrial Chemical Exposure - 25 July 2016 Initial Care of Ocular and Adnexal Injuries - 24 Nov 2014 Intratheater Transfer

and Transport - 19 Nov 2008 Invasive Fungal Infection in War Wounds - 04 August 2016 Management of Pain Anxiety and Delirium 13 March 2017 Management of War Wounds - 25 April 2012 Neurosurgery and Severe Head Injury - 02 March 2017 Nutritional Support Using Enteral and Parenteral Methods - 04 August 2016 Orthopaedic Trauma: Extremity Fractures - 15 July 2016 Pelvic Fracture Care - 15 March 2017 Prehospital Care - 24 Nov 2014 Prevention of Deep Venous Thrombosis - Inferior Vena Cava Filter - 02 August 2016 Radiology - 13 March 2017 REBOA for Hemorrhagic Shock - 06 July 2017 Unexploded Ordnance Management - 14 Mar 2017 Urologic Trauma Management - 1 Nov 2017 Use of Electronic Documentation - 5 Jun 2012 Use of MRI in Mgmt of mT-BI in the Deployed Setting - 11 June 2012 Vascular Injury - 12 August 2016 Ventilator Associated Pneumonia - 17 Jul 2012

CONTENTS: 1. U.S. SPECIAL OPERATIONS COMMAND's TACTICAL TRAUMA PROTOCOLS (TTPs) TACTICAL MEDICAL EMERGENCY PROTOCOLS (TMEPs) RECOMMENDED DRUG LIST (RDL) CANINE TACTICAL COMBAT CASUALTY CARE (December 2016), 253 pages 2. TRANSFUSION FOR THE MILITARY WORKING DOG (December 2019), 27 pages 3. General Instructions for Canine Trauma Combat Casualty Care Card (2019), 3 pages 4. General Instructions for Canine Treatment and Resuscitation Record (2019), 11 pages 5. Working Dog Handler Medical Care Manual (2017), 100 pages INTRODUCTION Military Working Dogs (MWDs) are at the same risk for injury as their human counterparts and when they are severely injured, best practice for resuscitation mirrors those recommended for humans.<sup>1</sup> A recent study of trauma in MWDs shows that explosions, gunshot wounds and lacerations account for the vast majorities of injuries sustained within the Central

Command area of responsibility. In severe cases, these mechanisms of injuries could require resuscitation with blood products. Hemostatic resuscitation has been shown in a many species to be superior to resuscitation with crystalloids or synthetic colloids and should therefore be considered the first-choice resuscitation product in severely wounded MWDs.