# PAMO

Pain Management & Dosing Guide™

\*See disclaimer, desages and epied conversions cannot account for differences in genetics and pharmacekinetics.

Pain Assessment and Management Initiative

pami.emergency.med.jax.ufl.edu/

November 2020



# Pain Management and Dosing Guide Includes:

- Stepwise Approach to Pain Management and Procedural Sedation
- Non-opioid Analgesics, Opioid Prescribing and Equianalgesic Chart, and Opioid Cross-Sensitivities
- Intranaval and Nebulized Medications.
- Procedural Sedation and Analgesia (PSA) Medications
- Pain Management, Discharge and Patient Safety Considerations
- Nerve Blocks, Neuropathic and Muscle Relaxer Medications
- Ketamine Indications and Dosing
- Topical and Transdermal Medications
- Nonpharmacologic and other Interventions

Take a video tour of the dosing guide!



 Monitoring & Discharge Checkpoint Joint Commission standards, facility policies, reassessments, and discharge planning.

# 6. Management Checkpoint

Choose your "ingredients" for pharmacologic and nonpharmacologic multimodal "recipe."

# 5. Patient Assessment Checkpoint

Review patient's risk factors and history.

# 4. Facility Checkpoint

Type of staffing and setting, team experience, patient volume, etc.

# 3. Family Dynamic Checkpoint

Who is caring for the patient? What are the family dynamics?

# 2. Developmental/Cognitive Checkpoint

What is the patient's development stage? Language barrier or nonverbal patient?

# 1. Situation Checkpoint

What are you trying to accomplish? Analgesia, anxiolysis, sedation, or procedure. Funding provided by Florids Medical Malpractics Joint Underwriting Association (FMMSJA) and the University of Florida College of Redistre Decisionville, Department of Streetency Medicine

# Pain Management In Emergency Medicine

Rahim Valani, Kaushal H. Shah

#### **Pain Management In Emergency Medicine:**

Pain Management in Emergency Medicine Paul M. Paris, Ronald D. Stewart, 1988 Pain Management and Sedation: Emergency Department Management Sharon Mace, James Ducharme, Michael F. Murphy, 2006 The only reference on managing pain in the emergency room this groundbreaking resource is the first book to provide an authoritative clinical reference on managing acute pain and chronic pain problems in the ER Includes drug and dosage tables throughout with details on drug therapeutics regulations drug seeking patients legal aspects of pain management and sedation and more

Essential Emergency Procedural Sedation and Pain Management Rahim Valani, Kaushal H. Shah, 2012-10-16 Procedural sedation is commonly used in the emergency department for patients undergoing painful procedures such as fracture reduction or electrical cardioversion The fourth volume in the Essential Emergency Medicine series Essential Emergency Procedural Sedation and Pain Management provides a unique interprofessional perspective on delivering procedural sedation and analgesia The book is designed for staff physicians residents nurses professionals and allied health care workers Although procedural sedation is commonly employed and recognized as a required skill set for emergency physicians there is a lack of appropriate education in the area and this book bridges gaps in training especially in the interprofessional team setting Emergency Medicine Gordian W. O. Fulde, 2009 The ultimate emergency medicine textbook from the renowned Professor Gordian Fulde now in a new edition Emergency Medicine 6e presents evidence based clinical management and treatment advice for emergency medicine students and practitioners in Australasia The vast range of topics include paediatric geriatric gynaecology psychiatric dental rural and Indigenous presentations ensuring readers are well prepared for any eventuality in the Emergency Department This outstanding text combines expertise and experience with fully up to date content It is authored by Professor Gordian Fulde Emergency Department director at Sydney's St Vincent's Hospital with contributions from Dr Sascha Fulde and over 60 other notable emergency medicine clinicians Readers will gain a solid understanding of effective procedural and management skills in the ED Practical tips relate to patient transport and retrieval seriously ill patients advanced nursing roles general practitioners working with IT administration legal matters governance and quality care and interns and students in the emergency department The ideal complement to hands on emergency medicine training this new edition of Emergency Medicine also prepares readers to apply key emergency medicine skills to unique incidents such as mass casualty and chemical biological and radiological hazard contingencies Topics included in this edition of Emergency Medicine include securing the airway resuscitation arrhythmia management pain management imaging dermatology trauma poisoning envenomation overdose Coverage of important controversies with evidence based recommendations Editor comments contained in relevant chapters to provide clinical tips and advice for practice Increased coverage of topical issues such as deep vein thrombosis economy class syndrome and street drugs Practical rapid reference appendix Detailed glossary and index The Quick Reference Guide is

updated and included in this book It is also made available as an app Updating all chapters particularly toxicology IT Paediatrics New resuscitation guidelines Cardiopulmonary Resuscitation External Automated Defibrillation in BLS Compressions Breathing Airway Unconsciousness Priorities in an Emergency Principles and Format for Developing Guidelines all revised 12 2010 following ILCOR More comprehensive content for Indigenous and Rural Emergencies chapter Moderate repetition arising from so many contributors The CT Brain and C spine Rules have been added to the Quick Advances in Procedural Pain Management in Emergency Medicine Maybritt Kuypers, 2023 This thesis describes the advances of procedural pain management in Emergency Medicine in the Netherlands Emergency Physicians have played an instrumental role in the introduction of procedural sedation and analgesia PSA in the emergency department In the first part of this thesis the safety efficacy and costs of PSA performed by Emergency Physicians was assessed This thesis demonstrates the capability of Emergency Physicians to perform safe and effective PSA in adult and pediatric patients The presence of skilled Emergency Physicians has improved the quality availability and costs of advanced pain treatment in patients who need to undergo painful procedures for example the reduction of a dislocated joint or fracture in the emergency department In the second part the implementation of PSA was evaluated by assessing the skills of the providers guideline adherence and availability of PSA in emergency departments staffed with or without Emergency Physicians This research revealed that the availability of PSA and adherence to PSA guidelines was not up to par in the departments which had no Emergency Physicians on staff In the last part of this thesis new strategies for procedural pain management in the emergency department were explored Peripheral nerve blocks performed by Emergency Physicians were compared to PSA on efficacy safety and length of stay in the emergency department Nerve blocks appear to be a promising technique with the important advantage of a reduced length of stay in the emergency department Finally a novel audiovisual distraction tool was evaluated for use during wrist fracture reductions in adult emergency patients A clear advantage on pain or anxiety reduction was not found However more research is needed to better assess its value in distinct emergency patient categories In conclusion Emergency Physicians have an important responsibility to ensure high quality and safe analgesia in the emergency department They also have the duty to keep pushing the frontier on pain management in Emergency Medicine with evidence based research Rosen's Emergency Medicine - Concepts and Clinical Practice E-Book John Marx, Robert Hockberger, Ron Walls, 2013-08-01 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 department 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 Pain Management Viduranga Yashasvi Waisundara, Ines Banjari, Jelena Balkić, 2021-03-24 Pain is a health issue that warrants significant attention and has an immense impact on global healthcare systems This book focuses on pain particularly on its management by providing fresh perspectives and novel insights while at the same time examining related topics that have often been overlooked Given that there is no permanent cure for pain the book primarily serves as an update to the existing knowledge Topics covered include the biochemical pathways of pain as well as pharmaceutical and clinical management of pain to ensure health and wellbeing Compact Clinical Guide to Critical Care, Trauma, and Emergency Pain Management Liza Marmo, Yvonne D'Arcy, 2013-02-22 This is an excellent resource for nurses practicing in critical care units emergency departments and trauma units as well as for midlevel providers who manage these patients Doody's Medical Reviews Compact ClinicalGuide to Critical Care Trauma and EmergencyPain Management is aconcise easy to readresource for nurses whowant to reinforce theirfoundational knowledgein this area Critical Care Nurse This addition to Springer Publishing s Compact Clinical Guide to Pain Management Series presents evidence based national guidelines and treatment algorithms for managing pain in patients in the critical care trauma and emergency room settings Such patients often present with co morbid and complex conditions which often make accurate pain assessment and treatment a challenge In an easy to use bulleted format the book provides the most current information on assessing and managing pain in a variety of critical conditions Both pharmacological management therapies and non pharmacologic interventions are included along with information about pain assessment screening tools for special populations Topics covered include the basics of pain physiology in critical emergency and operative care patients assessing pain in the critically ill medications and advanced pain management techniques useful with this population and commonly occurring conditions in the various care environments Also addressed are the management of particularly challenging patients elderly obese and conditions chronic pain renal failure chemically dependent patients and burn patients The book contains tables that efficiently summarize information and figures to illustrate key concepts Pain rating scales and a helpful equi analgesic conversion table are included in the Appendix Key Features Provides evidence based information on treating pain in critical care trauma and emergency room patients for all practice levels Organized for quick access to pertinent clinical information on treatment options and pain

types Provides cross referenced indexing and easy to use assessment and screening tools Includes information for treating especially challenging and difficult to manage patient pain scenarios **Pain Management**, 2024-02-07 With more than 230 million surgical procedures performed annually worldwide and 30% or more of people affected by chronic pain globally pain management is consistently a top priority Its personal and social burden is enormous and thus much literature and research focuses on pain medicine Along with the evolution of precision medicine today s typical pain management strategies include a personalized multimodal interdisciplinary treatment approach which might include pharmacotherapy psychotherapy integrative treatments and invasive procedures This book presents the latest advancements in pain management covering a wide field of topics in pain medicine Introduction to Emergency Medicine Elizabeth Mitchell, Ron Medzon, 2005-01-01 This new text covers basic principles commonly found in the introduction to emergency medicine course Comprised of five sections diagnosis and management is presented from an emergency medicine perspective Includes 75 case based clinical vignettes to help students prepare for the course and clerkship as well as the USMLE The common complaint section features a template covering differential history and physical pathophysiology and treatment of the given topics Illustrations and line drawings supplement the text Curricula objectives from the Society for Academic Emergency Medicine SAEM and the American College of Emergency Physicians ACEP are addressed **Rosen's Emergency Medicine** - Concepts and Clinical Practice, 2-Volume Set, Expert Consult Premium Edition - Enhanced Online Features and **Print,7** James Adams, 2010-01-01 This reference places the latest information at users fingertips and a more streamlined format makes it easy to find the exact information quickly and conveniently Includes access to a companion Web site for Emergency Sedation and Pain Management John H. Burton, James Miner, 2008 Procedural sedation additional resources and analgesia represents one of the great advances in the maturation of emergency medicine as a discrete specialty within medicine Once the exclusive domain of the anesthesiologist sedation and pain management procedures are now a routine part of all emergency department practices Emergency Sedation and Pain Management is a comprehensive medical text addressing emergency sedation and analgesia with specific emphasis on treatment of the emergency department patient The easily accessible clinically oriented format allows the reader fast and efficient access to the key points in each chapter The text presents a clinical approach to the treatment of pain in emergency patients including pediatric and adult populations Analgesia sedation and anesthetic techniques are presented in an informative authoritative and concise format written and edited by physicians with extensive research as well as clinical emergency medicine expertise The chapters are richly supplemented with tables photographs and step by step illustrations Pain Management: A Multidisciplinary Approach, 1e (Clinics Collections) Joel J. Heidelbaugh, 2015-10-15 Clinics Collections Pain Management draws from Elsevier's robust Clinics Review Articles database to provide multidisciplinary teams including general practitioners orthopedists obstetricians neurologists gastroenterologists nurses and other healthcare professionals with practical clinical advice and insights on this

highly prevalent disease and its comorbidities Clinics Collections Pain Management guides readers on how to apply current primary research findings on pain management to everyday practice to help overcome challenges and complications keep up with new and improved treatment methods and improve patient outcomes Areas of focus include physiology and general management musculoskeletal pain of the head neck upper body and lower body as well as neurologic disorders psychologic disorders and special considerations Each article begins with keywords and key points for immediate access to the most critical information Articles are presented in an easy to digest and concisely worded format Elsevier Clinics Collections provide concise reviews of today s most prevalent conditions and significant medical developments Other Clinics Collections titles available include Type II Diabetes Mellitus Asthma and Obesity Clinical Pain Management Second Edition: Acute Pain Pamela Macintyre, David Rowbotham, Suellen Walker, 2008-09-26 Acute Pain brings coverage of this diverse area together in a single comprehensive clinical reference from the basic mechanisms underlying the development of acute pain to the various treatments that can be applied to control it in different clinical settings Much expanded in this second edition the volume reflects the huge advances that continue to be made in acute pain management Part One examines the basic aspects of acute pain and its management including applied physiology and development neurobiology the drugs commonly used in therapy assessment measurement and history taking post operative pain management and its relationship to outcome and preventive analgesia Part Two reviews the techniques used for the management of acute pain Methods of drug delivery and non pharmacological treatments including psychological therapies in adults and children and transcutaneous electrical nerve stimulation are considered here Part Three looks at the many clinical situations in which acute pain can arise and the methods of treatment that may be suitable in each circumstance whether the patient is young or old has pain due to surgery trauma medical illness or childbirth or is undergoing rehabilitation Issues specific to the management of acute pain in the Pain Management Milica Prostran, 2016-05-25 This book has seven chapters from developing world are also covered here more than 15 authors from different countries Korea Poland Saudi Arabia Taiwan Turkey and USA edited by Professor Milica Prostran MD PhD The potential reader is shown the modern approach to pain management because the chapters deal at length and clearly with their topics I believe that this book that I edited with great pleasure and dedication will capture the attention of many readers from medical students to practicing doctors All of them need to deal with this extremely important field of medicine pain treatment I do believe that the answers they may find in Pain Management will make their practice easier Also the life of their patients will be considerably more pleasant or at least more bearable Acute Pain Management Raymond S. Sinatra, Oscar A. de Leon-Cassasola, Eugene R. Viscusi, Brian Ginsberg, 2009-04-27 This textbook is written as a comprehensive overview of acute pain management It is designed to guide clinicians through an impressive array of different options available to them and to patients There has been a flurry of interest in the extent to which acute pain can become chronic pain and how we might reduce the incidence of such chronicity This overview covers a wide range of treatments for

pain management including the anatomy of pain pathways the pathophysiology of severe pain pain assessment therapeutic guidelines analgesic options organization of pain services and the role of anesthesiologists surgeons pharmacists and nurses in providing optimal care It also discusses the use of patient controlled analgesia and how this may or may not be effective An Introduction to Clinical Emergency Medicine S. V. Mahadevan, Gus M. Garmel, 2012-04-10 Fully updated edition of this award winning textbook arranged by presenting complaints with full color images throughout For students residents and emergency physicians Harwood-Nuss' Clinical Practice of Emergency Medicine Allan B. Wolfson, Gregory W. Hendey, Louis J. Ling, Carlo L. Rosen, 2009-09-15 Organized for easy reference this comprehensive concise and clinically focused text covers all aspects of emergency medicine A new two color design will help readers find critical elements of each chapter easily A companion Web site includes the fully searchable text more than 400 self assessment questions with answers and additional images and tables Clinical Pain Management : Acute Pain Pamela Macintyre, David Rowbotham, Suellen Walker, 2008-09-26 Acute Pain brings coverage of this diverse area together in a single comprehensive clinical reference from the basic mechanisms underlying the development of acute pain to the various treatments that can be applied to control it in different clinical settings Much expanded in this second edition the volume reflects the huge advances that contin Anaesthesia, Pain, Intensive Care and Emergency Medicine - A.P.I.C.E. A. Gullo, 2007-12-14 Progress in the field of medicine over the last 50 years has led to important results for society both in terms of prevention and in the treatment of single or variously associated pathologies. The main objective of modern medicine has been the acquisition of increased skills and highly specialised knowledge in the various disciplines At the same time there has been a progressive multidisciplinary and multi professional interest in acute disease conditions that place the patient in potential or real life threatening situations. The state of the art of intensive medicine comprises a wide range of sophisticated interventions and collaboration between different medical disciplines both of which give the patient access to the most advanced forms of treatment that are currently available

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