

Pain Management in Infants, Children, Adolescents, and Individuals with Special Health Care Needs

Adopted

2018

How to Cite: American Academy of Pediatric Dentistry. Pain management in infants, children, adolescents, and individuals with special health care needs. The Reference Manual of Pediatric Dentistry. Chicago, IL: American Academy of Pediatric Dentistry; 2021:377-95.

Abstract

This statement provides dentists and stakeholders with current best practices for pediatric pain management. Infants, children, adolescents, and individuals with special health care needs may experience pain resulting from dental/orofacial injury, infection, and dental procedures. Dental pain is an inflammatory condition that can be categorized as somatic (i.e., periodontal, alveolar, mucosal) or visceral (i.e., pulp). Dental professionals should consider pain assessment for all patients. Inadequate pain management may lead to significant physical and psychological consequences for patients. Perioperative pain management approaches include pre-emptive pain management (e.g., anesthetics), use of local anesthesia during general anesthesia for post-operative pain control, non-pharmacological analgesic interventions (e.g., providing a calm environment, emotional support), distraction and imagery (e.g., counting, video games), and pharmacological pain control agents including non-opioid analgesics (e.g., nonsteroidal anti-inflammatory drugs, acetaminophen) and opioid analgesics. Acetaminophen and nonsteroidal anti-inflammatory medications are first-line pharmacologic therapies for pain management. Use of opioids for pediatric dental patients should be rare, and steps to mitigate opioid misuse are discussed.

This document was developed through a collaborative effort of the American Academy of Pediatric Dentistry Councils on Clinical Affairs and Scientific Affairs to offer updated information and guidance on pain management in infants, children, adolescents, and individuals with special health care needs.

KEYWORDS: FACIAL PAIN, TOOTHACHE, PAIN MANAGEMENT, ACUTE PAIN, CHRONIC PAIN, PAIN, POSTOPERATIVE

Purpose

The American Academy of Pediatric Dentistry (AAPD) recognizes that infants, children, adolescents, and individuals with special health care needs can and do experience pain due to dental/orofacial injury, infection, and dental procedures, and that inadequate pain management may have significant physical and psychological consequences for the patient. Appreciation of pediatric pain can help practitioners develop clinical approaches to prevent or substantially relieve dental pain. When pharmacological intervention is necessary to manage pain, the practitioner must understand the consequences, morbidities, and toxicities associated with the use of specific therapeutic agents. These recommendations are intended to provide dental professionals and other stakeholders with current best practices for pain management in pediatric dentistry.

Methods

This document was developed by the Council on Clinical Affairs and is based on a review of current dental and medical literature pertaining to pain management in pediatric dental patients. Review of existing federal and professional pain management guidelines and consensus statements were used to assist with this document. An electronic search was conducted in the PubMed®/MEDLINE database using the terms: dental pain management, pediatric pain assessment, preemptive analgesia, pediatric and acetaminophen, adolescent and

acetaminophen, pediatric and nonsteroidal anti-inflammatory drugs (NSAIDs), adolescent and NSAIDs, pediatric and opioids, adolescent and opioids, opioid risk, adolescent orofacial pain, pediatric and adolescent chronic pain, non-pharmacologic pain management; fields all; limits within the last 10 years; humans, English, and clinical trials. There were 1395 articles met these criteria. Papers for review were chosen from this list and from references within selected articles. When data did not appear sufficient or were inconclusive, recommendations were based upon expert and/or consensus opinion by experienced researchers and clinicians.

Background

Pain is defined by the International Association of the Study of Pain as "an unpleasant sensory and emotional experience associated with actual or potential tissue damage or described in terms of such damage."¹ Pain management includes

ABBREVIATIONS

AAP: American Academy of Pediatrics. AAPD: American Academy of Pediatric Dentistry. APAP: Acetyl-para-aminophenol. APS: American Pain Society. CDC: Centers for Disease Control and Prevention. CNS: Central nervous system. FDA: U.S. Food and Drug Administration. IV: Intravenous. NSAID: Nonsteroidal anti-inflammatory drugs. VAS: Visual analogue scale.

Pain In Infants Children And Adolescents

Bruno Bissonnette



Pain In Infants Children And Adolescents:

Pain in Infants, Children, and Adolescents ,2003 Pain in Infants, Children, and Adolescents Neil L.

Schechter, Charles B. Berde, Myron Yaster, 2003 This Second Edition is a significant revision of the leading text and clinical reference on pediatric pain Written by an international group of experts from all relevant disciplines this new edition is a vital reference for all pain practitioners and for nurses psychologists PTs anesthesiologists and pediatricians dealing with acute and chronic pediatric pain This edition includes new and expanded information on NSAIDs opioids and regional anesthesia New chapters cover sedation pain in the ICU multidisciplinary pain services palliative care and the long term consequences of pain User friendly new features include many more illustrations of techniques Opioid Therapy in Infants, Children, and Adolescents Ravi D. Shah, Santhanam Suresh, 2020-02-21 Opioid analgesics are among the most effective medications for pain management but are associated with serious and increasing public health problems including abuse addiction and death from overdose Currently there is an opioid epidemic in the United States with the rate of prescription opioid related overdose deaths quadrupling over the last 15 years Pediatric patients are particularly vulnerable to the devastating consequences of opioid misuse Adolescents who are prescribed opioids are at a higher risk for abusing illicit drugs later in life Clinicians managing pediatric pain must account for such issues while still delivering effective analgesia to young patients who suffer from both acute and chronic pain Opioid Therapy in Children and Adolescents is designed to explore the unique aspects of opioid therapy in pediatric patients An introductory framework provides historical context and describes the epidemiology of the opioid crisis with focus on pediatric implications Subsequent chapters focus on pediatric opioid pharmacology safe opioid prescribing practices and non opioid alternatives to managing pediatric pain states including multimodal analgesic strategies interdisciplinary approaches and complementary medicine Mitigation strategies against pediatric opioid diversion and misuse are addressed to help clinicians develop practice changes that protect pediatric patients from opioid related morbidity and mortality Clinical case examples are also utilized throughout the text to provide grounding for each chapter and a context within which to examine pertinent issues This first of its kind book provides a comprehensive approach that will guide clinicians to appropriately and safely prescribe opioid analgesics to pediatric patients suffering from pain It is an invaluable resource for pediatricians family practitioners anesthesiologists pediatric oncologists and other clinicians who manage pediatric pain *Acute Pain Management in Infants, Children, and Adolescents* ,1992 Pain in Infants ,2003 Family-Based Treatment in Child and Adolescent Psychiatry, An Issue of Child and Adolescent Psychiatric Clinics of North America Michelle L. Rickerby, 2015-10-21 This publication in Child any professional doing treatments involving families Primary Care doctors Mental Health Nurse Practitioners Social Workers and Psychology Counselors Features include Clinical Case Vignettes and Evidence based summaries Topics include In the section covering The Big Picture Historical Overview of Family Interventions in Child Psychiatry Family Focused Evaluation and Intervention

in Child Psychiatry Overview of the Evidence Base for Family Interventions in Child Psychiatry and Family Based Integrated Care in Child Psychiatry Training and Implementation In the section focusing on Illness Specific Family Based Interventions are topics on Family Based Treatment of Obsessive Compulsive Disorder Family Based Intervention for Early Childhood Disorders Family Based Interventions for Childhood Trauma Family Based Treatment of Eating Disorders Family Beliefs and Interventions in Pediatric Pain Management Multisystemic Treatment for Externalizing Disorders Family Interventions for Mood and Psychotic Disorders and Family Intervention in Adolescent Substance Abuse Finally there is discussion of Network Interventions in Pervasive Developmental Disorders

Moss & Adams' Heart Disease in Infants, Children, and Adolescents, Including the Fetus and Young Adult Hugh D. Allen, 2016-02-02 The 9th edition of the gold standard in pediatric cardiology offers up to date comprehensive coverage of this challenging and rapidly changing field New chapters based on reader requests two new associate editors new contributing authors and an enhanced digital version of the text make Moss and Adams Heart Disease in Infants Children and Adolescents the reference you'll turn to when caring for patients From cover to cover this award winning two volume resource provides the authoritative state of the art information you need when caring for young patients with heart disease New reader requested chapters cover Development of Myocardial Structure and Function Global Challenge of Heart Disease Impact of Congenital Heart Disease on Other Organ Systems Non Compaction Cardiomyopathy Beyond the Cardiac Device and Transition to Adult Care All chapters have been updated and revised including vital new information on genetics and embryo development Two new associate editors Drs Daniel J Penny and Frank Cetta offer fresh perspectives in their areas of expertise Enhanced digital access includes the full text bonus question and answer sections similar to those on the pediatric cardiology board examination videos of echoes angiograms aortic arch anomalies open heart operations and more and phonocardiograms with accompanying audio of various heart sounds and murmurs

Pediatric Anesthesia Bruno Bissonnette, 2014-05-14 No longer merely a subspecialty pediatric anesthesia is now a professional entity in its own right as is amply demonstrated in this comprehensive addition to the medical and surgical literature Pediatric Anesthesia Basic Principles State of the Art Future comprises the contributions of 150 experts in the field from all over the world providing this book with a truly global perspective This textbook will help anesthesiologists already interested in pediatric anesthesia to the knowledge and skills inherent to the safe practice of anesthesia for infants and children

Nursing Care of the Pediatric Surgical Patient Nancy Tkacz Browne, 2007 The book packages all aspects of the pediatric surgical nurse's job into one comprehensive reference including pre and post operative care minimally invasive surgery innovative therapies fetal surgery pediatric solid organ transplantation and more It offers up to date information on pediatric surgical nursing and includes many critical pathways and research topics It is a must have resource for all healthcare providers involved in the care of the general pediatric surgical patient

Moss & Adams' Heart Disease in Infants, Children, and Adolescents Hugh D. Allen, David J. Driscoll, Robert E. Shaddy, Timothy

F. Feltes, 2013-05-30 This 8th Edition of Moss and Adams Heart Disease in Infants Children and Adolescents Including the Fetus and Young Adult provides updated and useful information from leading experts in pediatric cardiology Added chapters and a companion web site that includes the full text with bonus question and answer sections make this Moss and Adams edition a valuable resource for those who care for infants children adolescents young adults and fetuses with heart disease Features Access to online questions similar to those on the pediatric cardiology board examination to prepare you for certification or recertification Leading international experts provide state of the art diagnostic and interventional techniques to keep you abreast of the latest advances in treatment of young patients Chapters on quality of life quality and safety pharmacology and research design add to this well respected text

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