

Psychological and Physical Interventions for the Management of Cancer-Related Pain in Pediatric and Young Adult Patients: An Integrative Review

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Pain is one of the most distressing symptoms for children and young adults with cancer (Hedén, Pöder, von Essen, & Ljungman, 2013; Olson & Amari, 2015). Studies show that 49%–62% of children and young adults with cancer experience pain, often prolonged, during the course of their treatment (Baggott et al., 2010; Varni, Burwinkle, & Katz, 2004). Pain negatively affects a young person's quality of life (Bhat et al., 2005; Sung et al., 2009; Varni et al., 2004), impedes cancer recovery (Shepherd, Woodgate, & Sawatzky, 2010), results in patient and family distress (Hedén et al., 2013; Miller, Jacob, & Hockenberry, 2011; Walker, Gedaly-Duff, Miaskowski, & Nail, 2010), and is associated with long-term morbidity (Chordas et al., 2013; Lu et al., 2011). Pain related to cancer also represents a significant cost burden to the healthcare system and families (Abernethy, Samra, & Matchar, 2003), with pain being the most common reason adult patients with cancer use emergency health services (Barbera, Taylor, & Dudgeon, 2010; Kuo, Saokaew, & Stenehjem, 2013; Tsai, Liu, Tang, Chen, & Chen, 2009; Walker et al., 2010). Despite this knowledge, the management of pain in pediatric and young adult patients with cancer has not kept pace with advancements in treatment protocols (Woodgate, 2008). Several reasons have been proposed to explain why this pain is undermanaged, including (a) misconceptions about analgesic use and pain expression, (b) concern about undesirable diagnostic tests in the case of pain, (c) concern about opioid addiction, and (d) patient temperament and reported quality of life (Amesinger, 2010; Fortier et al., 2012; Fortier, Wahi, Bruce, Maurer, & Stevenson, 2014).

The causes of pain in pediatric and young adult patients with cancer are diverse, likely also contributing to difficulties in its management. Cancer pain may result from the disease itself or from the many associated in-

Purpose/Objectives: To identify and appraise current evidence related to the effectiveness of psychological and physical (nonpharmacologic) pain management modalities for children and young adults with cancer.

Data Sources: Electronic searches in MEDLINE®, EMBASE, CINAHL®, PsycINFO, and Web of Science™ (from database inception to June 2013) for clinical trials.

Data Synthesis: A total of 32 unique studies were identified. Substantial heterogeneity existed across identified studies, precluding meta-analysis. Therefore, a narrative review of included studies is presented. Studies featured psychological and/or physical pain interventions for children and young adults ($N = 1,171$) aged 1–21 years with a variety of cancer diagnoses. Interventions included aromatherapy, art therapy, distraction, hypnosis, physical activity, physical positioning, touch therapy, and multimodal cognitive-behavior therapy. Twenty-two studies (69%) reported success in preventing or reducing pain intensity. The level of evidence and methodologic quality of studies were generally low.

Conclusions: Current nonpharmacologic pain interventions for pediatric and young adult patients with cancer are diverse. Several modalities significantly decreased pain intensity, suggesting that these strategies may be effective methods of pain treatment, particularly in the case of painful medical procedures. Future well-designed, multicenter, randomized, controlled trials are needed to further discern treatment effects on pain and other health outcomes in this population and to compare the relative effectiveness of different modalities.

Implications for Nursing: Nurses play a key role in pain assessment and management in pediatric and young adult patients with cancer. The studies included in this review constitute the beginnings of an evidence base that supports the need to implement psychological and physical interventions to improve pain outcomes in pediatric and young adult patients with cancer.

Key Words: cancer; pediatric; pain management; psychological; physical; nonpharmacologic

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Patients With Cancer Understanding The Psychological Pain Paperback

**Adam Feather,David Randall,Mona
Waterhouse**



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Patients with Cancer Arlene DeGangi Houldin, 2000 After a cancer diagnosis it's not just life as usual When people with cancer need support and validation of their feelings unreasonable demands either self imposed or imposed by others are placed on patients The goal of psychosocial oncology care is to understand the unique needs and strengths of patient and family to create an individual plan of care that promotes optimal psychological adaptation and function throughout the illness

A Physician's Guide to Pain and Symptom Management in Cancer Patients Janet L. Abrahm, 2015-01-01 This highly regarded handbook provides clinicians with the information they need to treat their cancer patients effectively and compassionately This comprehensive guide to managing pain and other symptoms for people with cancer has helped tens of thousands of patients and families Designed for busy practicing clinicians A Physician's Guide to Pain and Symptom Management in Cancer Patients provides primary care physicians advanced practice nurses internists and oncologists with detailed information and advice for alleviating the stress and pain of patients and family members alike Drawing on the work of experts who have developed revolutionary approaches to symptom management and palliative care as well as on the lessons learned from patients and their families during her thirty years as a teacher and clinician Dr Janet L Abrahm shows how physicians and other caregivers can help patients and families heal emotionally even as the disease progresses The third edition includes updates to medications and clinical stories and features two new chapters Working with Patients Families and Sexuality Intimacy and Cancer New lessons from palliative care and hospice care can help patients their professional caregivers and their families support each other every step of the way **Pain Management E-Book** Steven D.

Waldman, 2011-06-09 Regarded as the premiere clinical reference in its field Pain Management 2nd Edition edited by noted pain authority Dr Steven Waldman provides comprehensive practical highly visual guidance to help you effectively apply the most recent evidence based advances in pain management This popular text has been updated with 13 new chapters that include the latest information on interventional and ultrasound guided techniques acute regional pain nerve blocks and more A user friendly format with lavish illustrations enables you to access trusted guidance quickly and apply the information easily to bring effective pain relief to your patients Tap into the experience of the book's editor Dr Steven D Waldman author of numerous groundbreaking pain management references and a diverse collection of leading international experts many of whom are new to this edition Effectively diagnose and manage any type of pain by implementing the latest evidence based approaches including interventional and ultrasound guided techniques and acute regional pain nerve blocks Keep up with the most essential and latest topics with fully revised chapters and 13 new chapters that include information on central pain modulation ultrasound guided procedures myelopathy and more Find the critical answers you need quickly and easily thanks to a templated format with all content solely reviewed by Dr Waldman to insure consistency throughout Make more accurate diagnoses and perform nerve blocks successfully with unmatched guidance from 1100 full color large scale illustrations

The Royal Marsden Manual of Clinical Nursing Procedures Lisa Dougherty, Sara Lister, Alex West-Oram, 2015-03-17

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Intrathecal Drug Delivery for Pain and Spasticity E-Book Asokumar Buvanendran, Sudhir Diwan, Timothy R. Deer, 2011-09-30. Intrathecal Drug Delivery for Pain and Spasticity, a volume in the new Interventional and Neuromodulatory Techniques for Pain Management series, presents state-of-the-art guidance on the full range of intrathecal drug delivery techniques performed today. Asokumar Buvanendran MD and Sudhir Diwan MD offer expert advice on a variety of procedures to treat chronic non-malignant pain, cancer pain, and spasticity. Comprehensive evidence-based coverage on selecting and performing these techniques, as well as weighing relative risks and complications, helps you ensure optimum outcomes. Understand the rationale and scientific evidence behind intrathecal drug delivery techniques and master their execution. Optimize outcomes, reduce complications, and minimize risks by adhering to current evidence-based practice guidelines. Apply the newest techniques in intrathecal pump placement, cancer pain management, use of baclofen pumps, and compounding drugs. Quickly find the information you need in a user-friendly format with strictly templated chapters supplemented with illustrative line drawings, images, and treatment algorithms.

Scully's Medical Problems in Dentistry E-Book Crispian Scully, 2014-07-21. This text offers an authoritative account of general medical and surgical conditions as they apply to the practice of dentistry and oral healthcare. Now established as the standard reference on the subject, Medical Problems in Dentistry is essential for students learning for the first time or practitioners needing to keep up to date with their knowledge. Detailed coverage outlines the complete relevance of systemic diseases and their treatment to dentistry, essential knowledge for the whole dental team. User-friendly format allows ease of access to information, whether for exam revision purposes or for a specific issue confronting staff in a busy clinical environment. Clearly written with excellent use of illustrations, the book is an essential, easy-to-use, reliable source of information. Includes an array of new disorders ranging from hypersensitivity syndrome to neuropathic pain. Discusses recent updates in pharmacology and other aspects of medical intervention, including the use of biological therapies. Explores new areas such as cosmetic and other implants, dental materials, hypersensitivity, drugs, and dietary interactions, and new aspects of alternative medicine. Other issues include elder maltreatment, care of vulnerable people, treatment of sexual minorities, new substance abuse, and self-harm. Explores the link between periodontal infection and various systemic diseases.

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Steven D. Waldman, 2016-09-22 Easy to read and easy to use Pain Review 2nd Edition provides you with the most up to date comprehensive review of pain medicine available Written by Steven Waldman MD a leading author in the specialty of pain medicine this book gives you exactly what you need an easily understandable targeted review of the essential basic science beautifully illustrated full color anatomic figures and a comprehensive review of common and uncommon pain syndromes as well as how to do it explanations of all of the pain management injection and nerve block techniques that every practitioner needs to know Pain Review 2nd Edition is an excellent tool for reviewing the specialty and for preparing for your pain medicine board review recertification or for the practice of pain medicine Provides the reader with clearly written review of the signs symptoms and physical findings of 95 defined pain syndromes classified by body region Presents an easy to follow generously illustrated step by step roadmap of how to perform 113 individual nerve blocks and injection techniques as well as a review of associated pitfalls and complications Follows an easy to read templated format throughout for quick mastery and retrieval of information closely matching the format and content of the American Board of Anesthesiology pain medicine board certification exam Maintains a consistent approach and editorial style as a single authored text by noted authority Steven D Waldman MD NEW Conceptual illustrations are now in full color to help you better visualize injection techniques Hundreds of NEW full color tables and figures simplify learning NEW updated design offers visual appeal and ease of use Updated references throughout direct you to the most up to date source material Expert Consult™ eBook version included with purchase This enhanced eBook experience allows you to search all of the text figures videos and references from the book on a variety of devices **Introducing Psychology for Nurses and Healthcare Professionals** Dominic Upton, 2013-11-26 What makes someone feel healthy Why do some people respond differently under stress to others Why don't people always follow nursing advice This second edition of Introducing Psychology for Nurses and Healthcare Professionals provides an accessible but thorough introduction to the key psychological theories and concepts which underpin nursing and healthcare and clearly demonstrates how they can be applied in clinical practice Using a research led approach each chapter guides you through important theories and topics in health psychology such as lifespan and development communication and social processes and helps you use your understanding to deliver better patient care *Kumar and Clark's Clinical Medicine E-Book* Adam Feather, David Randall, Mona Waterhouse, 2020-06-19 Now in its tenth edition Kumar David Randall MA MRCP and Mona Waterhouse MA MRCP Contributors comprise consultants at the top of their fields paired with younger doctors closer to the exam experience to ensure authority and relevance Enhanced e book accompanies the print book for ease of transportation and use on the move International Advisory Board led by Professor Janaka de Silva and Professor Senaka Rajapakse providing guidance for global coverage from across the world Contributions to the e book by members of the International Advisory Board to amplify areas of clinical importance in their parts of the world Featuring new

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Pain - E-Book Hubert van Griensven,Jenny Strong,2022-12-10 Pain A textbook for health professionals provides a comprehensive guide to pain and pain management with a focus on interprofessional practice Written by internationally acclaimed authors and fully updated to reflect latest evidence and understanding this book bridges the gap between theoretical underpinning and practice for assessment and management of patients with persistent pain all in clear and accessible language Now in its third edition the text emphasises personal aspects of pain and the therapeutic alliance as well as social and cultural aspects of pain pain education for patients and multidisciplinary and interdisciplinary working It will provide both students and clinicians with a new lens through which to understand a person s pain experience as well as tools for effective management Comprehensive information about all aspects of pain and pain management Relevant to a wide audience suitable for physiotherapists occupational therapists social workers nurses and GPs as well as undergraduate students Factual and informative for clinicians in everyday practice Includes information on acute as well as chronic pain New chapters on communication the language of pain pain education for patients multidisciplinary and interdisciplinary working and inequities in pain including pain in low and middle income countries and amongst indigenous peoples Updated chapters with new information about the psychology of pain Now with full colour artworks and page design

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