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Cancer Pain Assessment and Classification

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Abstract: More than half of patients affected by cancer experience pain of moderate-to-severe intensity, often in multiple sites, and of different etiologies and underlying mechanisms. The heterogeneity of pain mechanisms is expressed with the fluctuating nature of cancer pain intensity and clinical characteristics. Traditional ways of classifying pain in the cancer population include distinguishing pain etiology, clinical characteristics related to pain and the patient, pathophysiology, and the use of already validated classification systems. Concepts like breakthrough, nociceptive, neuropathic, and mixed pain are very important in the assessment of pain in this population of patients. When dealing with patients affected by cancer pain it is also very important to be familiar to the characteristics of specific pain syndromes that are usually encountered. In this article we review methods presently applied for classifying cancer pain highlighting the importance of an accurate clinical evaluation in providing adequate analgesia to patients.

Keywords: cancer pain; pain assessment; pain classification; breakthrough pain; neuropathic pain; pain syndromes

1. Introduction

In oncological population, pain is one the most invalidating symptoms, affecting approximately 66% of cancer patients [1]. The guidelines for the management of cancer pain were developed by the World Health Organization (WHO) in 1986 [2], but there is substantial evidence that the management of cancer pain is still often suboptimal [3–5]. Since cancer pain is not a homogenous entity, correct pain assessment is essential for obtaining satisfactory management. Cancer pain is a general term for a large range of different pain conditions, characterized by different etiology, characteristics, and pathological mechanisms. The importance of adequate pain assessment and complexity of cancer pain has been emphasized for a very long time [6,7]. Considering the importance of pain classification in providing an individual assessment and tailored treatment strategy, over the years there have been a few works that have attempted to find a comprehensive approach to classify cancer pain [8–10]. However, no standardized accepted classification system exists yet and different cancer pain classification schemes are used in research and clinical setting.

2. Etiology of Pain in Cancer Patients

Not every type of pain in a patient with cancer is related to the tumor and, as a result, not every type of pain perceived by oncological patients can be considered and defined automatically as cancer pain. A prospective study carried on a large sample of oncological patients has shown that -17% of pain perceived in this group of patients is caused by antineoplastic treatment and approximately 10% due to other etiologies, unrelated to cancer [11]. Therefore, in oncological patients presenting with pain, it is very important to specify if the pain perceived is caused by the tumor, related to treatments or to other comorbidities, in order to be able to provide the necessary treatment.

Assessment And Treatment Of Cancer Pain

Carl Edward Noe

Assessment And Treatment Of Cancer Pain:

Assessment and Treatment of Cancer Pain Richard Payne, Richard B. Patt, C. Stratton Hill, 1998 Handbook of Pain Assessment, Third Edition Dennis C. Turk, Ronald Melzack, 2011-08-08 This definitive clinical reference comprehensively reviews the most advanced methods for assessing the person in pain The field's leading authorities present essential information and tools for evaluating psychosocial behavioral situational and medical factors in patients subjective experience functional impairment and response to treatment Empirically supported instruments and procedures are detailed including self report measures observational techniques psychophysiological measures and more Best practice recommendations are provided for assessing the most prevalent pain syndromes and for working with children older adults and people with communication difficulties The book also weighs in on the limitations of existing methods and identifies key directions for future research Cancer Pain Eduardo D. Bruera, Russell K. Portenoy, 2003-06-23 Nearly one in three people will be diagnosed with cancer and many of these patients will suffer from related cancer pain Cancer associated pain is widely feared by cancer patients but knowledge about the causes and management of cancer pain has increased dramatically in recent years and many new treatment options are available This comprehensive book discusses the unique characteristics of cancer pain including its pathophysiology clinical assessment diagnosis pharmacological management and nonpharmacological treatment The internationally recognized authors are leaders in cancer pain research and they apply their first hand knowledge in summarizing the principal issues in the clinical management of cancer pain This state of the art book cohesively addresses the full range of disciplines regularly involved in cancer pain management including pharmacology communication studies and psychology Cancer Pain is a scholarly but accessible text that will be an essential resource for physicians nurses and medical students who treat patients suffering from cancer pain Clinical Pain Management: Cancer Pain Nigel Sykes, Michael Bennet, Chun-su Yuan, 2008-09-26 Now divided into four parts the second edition of Cancer Pain delivers broad coverage of the issues that arise in the management of malignancy related pain from basic science through end of life care and associated ethical issues to therapies both medical and complementary Part One reviews basis considerations in cancer pain management includ Bonica's Management of Pain Scott M. Fishman, 2012-03-29 Now in its Fourth Edition with a brand new editorial team Bonica's Management of Pain will be the leading textbook and clinical reference in the field of pain medicine An international group of the foremost experts provides comprehensive current clinically oriented coverage of the entire field The contributors describe contemporary clinical practice and summarize the evidence that guides clinical practice Major sections cover basic considerations economic political legal and ethical considerations evaluation of the patient with pain specific painful conditions methods for symptomatic control and provision of pain treatment in a variety of clinical settings **Fundamentals of Cancer Pain Management** Andrew Leitner, Christine Chang, 2021-09-20 This book presents a timely and multidisciplinary update on the

modalities currently available for treating the most feared symptom of patients diagnosed with cancer The various cancer pain syndromes are explored in detail covering those related directly to malignancy and those due to the after effects of cancer therapy Treatment modalities including pharmacologic approaches interventional procedures and palliative surgical options are discussed clearly and concisely with provision of recommendations for the practitioner Further topics include new and emerging treatments for cancer pain survivorship considerations pain management in special populations and implementation of systems based pain programs The book has been written by a multidisciplinary group of experts reflecting the evolution in pain and symptom management that has occurred in parallel with progress toward more targeted oncologic treatments Oncologists palliative care physicians allied health professionals and other practitioners involved in caring for cancer patients will find Fundamentals of Cancer Pain Management to be a rich source of evidence based insights into effective pain management Psychological Assessment and Treatment of Older Adults Nancy A. Pachana, Victor Molinari, Larry W. Thompson, Dolores Gallagher-Thompson, 2021-11-30 Learn about the key issues when assessing and treating older adults with mental health problems Expert guidance through the key topics Highlights the best assessment and treatment practices Addresses diversity ethical and health system issues Full of real life case examples Resources in the appendix to test your knowledge More about the book Mental health practitioners are encountering an ever growing number of older adults and so an up to date and comprehensive text addressing the special considerations that arise in the psychological assessment and treatment of this population is vital This accessible handbook does just that by introducing the key topics that psychologists and other health professionals face when working with older adults Each area is introduced and then the special considerations for older adults are explored including specific ethical and healthcare system issues The use of case examples brings the topics further to life An important feature of the book is the interweaving of diversity issues culture race sexuality etc within the text to lend an inclusive contemporary insight into these important practice components The Pikes Peak Geropsychology Knowledge and Skill Assessment Tool is included in an appendix so readers can test their knowledge which will be helpful for those aiming for board certification in geropsychology ABGERO This an ideal text for mental health professionals transitioning to work with older clients for those wanting to improve their knowledge for their regular practice and for trainees or young clinicians just starting out Ramamurthy's Decision Making in Pain Management Ameet Nagpal, Miles Day, Maxim S Eckmann, Brian Boies, Larry C Driver, 2018-07-31 This new edition provides clinicians with the latest advances in the identification diagnosis and management of acute and chronic pain conditions and syndromes Beginning with an overview of pain evaluation the next chapters explain acute and chronic pain The following chapters examine different types of pain including cancer thoracic lower back head and neck and more Each chapter has been fully revised and the third edition features many new topics including a complete chapter dedicated to opioid pharmacology Authored by recognised Texas based experts in the field the text is presented in a clear algorithmic approach

enhanced by clinical photographs and figures Key points Fully revised third edition presenting latest advances in diagnosis and management pain Features many new topics including a chapter on opioid pharmacology Authored by recognised Texas based experts in the field Previous edition 9780323019743 published in 2006 **Pain Management for Clinicians Carl** Edward Noe, 2020-05-22 This book focuses on the modern clinical management of acute and chronic pain syndromes It not only presents information in a clinically illuminating format but in a manner that is cognizant of the current prescription opioid epidemic Divided into seven sections this book covers acute pain common pain conditions regional pain problems interdisciplinary evaluation and treatment medical treatments and pain in different stages of life Concluding with the exploration of several special topics the last section includes an important discussion on the regulatory and legal issues in the use of controlled substances Chapters are concise and relevant with an emphasis on treatment based upon evidence from clinical trials and interpretation by practitioners in the field Expertly written text is further supplemented by high quality figures images and tables outlining proven treatments with drug dose or other information describing details of treatment Timely informative and socially conscious Pain Management for Clinicians A Guide to Assessment and Treatment is a valuable reference for clinicians who manage patients with chronic and common pain problems Treatment of Chronic Pain Gerald M. Aronoff, 1999 Cancer Pain Dermot R. Fitzgibbon, John D. Loeser, 2012-03-28 This book provides in a single cohesive source all the information a health care professional needs to diagnose and select appropriate treatments for the patient with pain associated with cancer The book is clinically oriented and comprehensively addresses all the issues surrounding modern cancer pain management. The authors provide detailed information on common but difficult to treat cancer pain scenarios Coverage includes state of the art information on treatment options and discussions of the impact of radiation chemotherapy and surgery on pain management This authoritative comprehensive clinical reference is essential for all clinicians who treat patients with cancer including medical oncologists radiation oncologists surgeons pain specialists anesthesiologists primary care physicians internists and nurses Features and Management of the Pelvic Cancer Pain Marco Cascella, Arturo Cuomo, Daniela Viscardi, 2016-07-12 This book focuses on the features of pelvic pain in the different cancer diseases the pain assessment tools as well as the pharmacological and non pharmacological approaches Pelvic cancer pain is a common and debilitating symptom and pain control is a one among the main therapeutic goals throughout the duration of the disease Because pelvic cancer pain due to primitive cancer recurrence or metastasis is a complex clinical pathology no single technique is often guaranteed to produce a complete pain relief Thus there are many treatment options but in most cases a correct approach to pain control should be provided by a multidisciplinary team under the responsibility of a pain specialist coordinating several professionals. This book will aid several figures of practitioners like anesthesiologists oncologists or surgeons in making the correct decisions in individual patients affected by cancer pain due to pelvic diseases **Practical Management of Pain** Honorio MD Benzon, James P.

Rathmell, Christopher L. Wu, Dennis C. Turk, Charles E. Argoff, Robert W Hurley, 2013-09-12 Obtain all the core knowledge in pain management you need from one of the most trusted resources in the field The new edition of Practical Management of Pain gives you completely updated multidisciplinary overview of every aspect of pain medicine including evaluation diagnosis of pain syndromes rationales for management treatment modalities and much more In print and online it is all the expert quidance necessary to offer your patients the best possible relief In summary this is the best explanation of what lies behind MRI that I have read taking what can be a dry subject and making it readily understandable and really interesting I would recommend it to anyone starting their MRI training and anyone trying to teach MRI to others Reviewed by RAD Magazine June 2015 Understand and apply the latest developments in pain medicine with brand new chapters covering disability assessment central post stroke pain chronic widespread pain and burn pain Effectively ease your patients pain with today s best management techniques including joint injections ultrasound guided therapies and new pharmacologic agents such as topical analysesics Access up to the minute knowledge on all aspects of pain management from general principles to specific management techniques with contributions from renowned experts in the field Read the full text and view all the images online at expertconsult com Understand and apply the latest developments in pain management with brand new chapters covering disability assessment central post stroke pain widespread chronic pain and burn pain Effectively ease your patients pain with today s best management techniques including joint injections ultrasound guided therapies and new pharmacologic agents such as topical analgesics Cancer Pain Management Deborah B. McGuire, Connie Henke Yarbro, Betty Ferrell, 1995 Cancer Pain Management Second Edition will substantially advance pain education The unique combination of authors an educator a leading practitioner and administrator and a research scientist provides comprehensive authoritative coverage in addressing this important aspect of cancer care The contributors acknowledged experts in their areas address a wide scope of issues Educating health care providers to better assess and manage pain and improve patients rsquo and families rsquo coping strategies are primary goals of this book Developing research based clinical guidelines and increasing funding for research is also covered Ethical issues surrounding pain management and health policy implications are also Handbook of Veterinary Pain Management - E-Book James S. Gaynor, William W. Muir, 2008-01-29 You can trust explored this user friendly guide to help you meet the increasing need for effective pain management in the animals you treat It provides instant access to clinically relevant information on pain assessment pharmaceutical and non pharmaceutical treatment options guidelines for managing acute and chronic pain and unique aspects of pain management in dogs cats horses cattle birds reptiles ferrets and rabbits User friendly format helps you quickly and easily find essential pain management information Helpful boxes and tables provide at a glance access to pharmacologic protocols and clinical applications including dosages indications contraindications and side effects Complementary and alternative treatment strategies are included throughout to assist you in using the latest non pharmacological pain interventions Case studies

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