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Clinical Radiation Oncology Springer Nature

This book provides the necessary information about not only the clinical aspects of caring for cancer survivors, but also the psychosocial impacts. There are multiple resources available to serve as oncology textbooks, but nothing to provide the necessary information on patient care for the non-MD members of the cancer patient management team. In the post-treatment phase, the management team must go beyond the realm of "conventional" follow-up, helping the patient to intellectually understand and emotionally grasp the path ahead. Cancer Survivorship will prove a vital tool to physicians, nurses, clinical social workers and mental health professionals.

Cancer of the Testis Springer Nature

There are more than 100 types of cancers In Part II, head and neck cancer is d- affecting all parts of the human body. cussed. The global number of annual new More than 11 million people are diagnosed cases of this malignancy is ~500,000. These with cancer every year, and it is estimated malignancies include oral squamous cell that there will be 16 million new cases by carcinoma, salivary gland tumors, tons- the year 2020. In 2005, 7. 6 million peo- lar cancer, tongue cancer, nasopharyngeal ple died of cancer, that is, 13% of the 58 carcinoma, and retinoblastoma, which are million deaths worldwide. It is estimated detailed. In Part III, diagnosis, therapy, and that 9 million people will die from can- prognosis of thyroid carcinoma are d- cer worldwide in 2015 and 11. 4 million cussed. The global number of new cases of will die in 2030. More than 70% of all thyroid cancer is ~141,000, and the number cancer deaths occur in low and middle of worldwide thyroid mortalities is ~35,375. income countries. These statistics underlie The number of new cases of this cancer in the fact that cancer is the deadliest of all the United States is ~33,550. Molecular human diseases. The enormity of the glo- genetics of thyroid cancer, gene expr- bal healthcare costs as a result of cancer sion markers for diagnosis, papillary t- cannot be overemphasized.

International Classification of Diseases for Oncology John Wiley & Sons

This book presents artificial intelligence applications that may help in detecting disease, defining tissue characterization (benign vs malignant), staging and correlation with molecular biomarkers. Originally positioned as a means for noninvasive molecular phenotyping and quantification in the 1970s, PET's technological improvements in the 2000s generated renewed interest in quantification, which has grown over the last five years. This progress is parallel with the development of Artificial intelligence (AI) systems for Oncology which aim at providing the best possible treatment to patients suffering from lung, breast, brain, prostate, liver and other types of cancer. The chapters provide an overview of the use of AI in PET/CT imaging for various types of cancer, and it will be an invaluable tool especially for nuclear medicine physicians and oncologists.

Radiation Oncology Springer Science & Business Media

Radiation Oncology: An Evidence-Based Approach (ROEBA) is a reference book designed to enable radiation oncologists, including those in training, to make diagnostic and treatment decisions on the basis of the best available scientific evidence. Ease of use is ensured by a structured, reader-friendly format that offers rapid access to evidence-based recommendations. ROEBA's orientation is entirely practical, in that the focus is solely on diagnostic/staging and treatment issues. Detailed diagnostic and therapeutic guidelines are provided for multidisciplinary cancer management as well as radiation therapy techniques. The evidence underlying each recommendation is clearly and concisely explained, and the strength of the recommendations and evidence is systemically graded. Furthermore, diagnostic and treatment algorithms are provided for the commonly diagnosed cancers. This ground-breaking text on radiation oncology is an essential tool for physicians in their daily clinical practice.

Practical Medical Oncology Textbook World Health Organization

This edition of ICD-O, the standard tool for coding diagnoses of neoplasms in tumour and cancer registrars and in pathology laboratories, has been developed by a working party convened by the International Agency for Research on Cancer / WHO. ICD-O is a dual classification with coding systems for both topography and morphology. The book has five main sections. The first provides general instructions for using the coding systems and gives rules for their implementation in tumour registries and pathology laboratories. Section two includes the numerical list of topography codes, which remain unchanged from the previous edition. The numerical list of morphology codes is presented in the next section, which introduces several new terms and

includes considerable revisions of the non-Hodgkin lymphoma and leukaemia sections, based on the WHO Classification of Hematopoietic and Lymphoid Diseases. The five-digit morphology codes allow identification of a tumour or cell type by histology, behaviour, and grade. Revisions in the morphology section were made in consultation with a large number of experts and were finalised after field-testing in cancer registries around the world. The alphabetical index gives codes for both topography and morphology and includes selected tumour-like lesions and conditions. A guide to differences in morphology codes between the second and third editions is provided in the final section, which includes lists of all new code numbers, new terms and synonyms added to existing code definitions, terms that changed morphology code, terms for conditions now considered malignant, deleted terms, and terms that changed behaviour code.

Cancer in Adolescents and Young Adults Springer Nature

Germ cell tumors are relatively rare compared with other malignancies, and compilations of knowledge that encompass the entire spectrum of the disease are lacking. This textbook, written by the foremost authorities in the field, rectifies the situation by discussing in depth a broad range of topics, including biology, epidemiology, pathology, treatment, and late effects. Bearing in mind that germ cell tumors are most prevalent in the adolescent and young adult age group, causes of disease and treatment approaches in pediatric and adult patients are compared and contrasted. By spanning the entire life course, from prenatal origins of disease through to treatment in adults and late effects of treatment, the editors have produced a book that will be of interest to both pediatric and adult oncologists.

Handbook of Prostate Cancer and Other Genitourinary Malignancies Springer

Nuclear Oncology describes the use of radionuclides in the diagnosis and management of malignant tumors. Both in vivo and in vitro techniques are included. The book was written by an international panel of authors, most, if not all, of whom are the pioneers of the techniques described. Their chapters reflect the universal views in the field of nuclear medicine and oncology. Clinical aspects and technical details are presented for both standard and new nuclear oncological techniques, including breast scintigraphy, receptor imaging, monoclonal antibodies and positron emission tomography. This information will therefore be helpful to those dealing with the diagnosis and therapy of cancer using radionuclides, including medical oncologists, radiation oncologists, oncologic surgeons, nuclear medicine physicians and radiologists. Attention is devoted to potential areas of clinical research in nuclear oncology. Therapeutic use of radionuclides is emphasized.

Guidelines for the Management of Adult Testicular Cancer -- Rev BoD – Books on Demand

This open access book deals with imaging of the abdomen and pelvis, an area that has seen considerable advances over the past several years, driven by clinical as well as technological developments. The respective chapters, written by internationally respected experts in their fields, focus on imaging diagnosis and interventional therapies in abdominal and pelvic disease; they cover all relevant imaging modalities, including magnetic resonance imaging, computed tomography, and positron emission tomography. As such, the book offers a comprehensive review of the state of the art in imaging of the abdomen and pelvis. It will be of interest to general radiologists, radiology residents, interventional radiologists, and clinicians from other specialties who want to update their knowledge in this area.

Diagnosis and Management of Testicular Cancer Elsevier Health Sciences

This book is a comprehensive guide to the use of modern radiation therapy techniques for prostate cancer and other common and rare genitourinary malignancies. It will be an ideal resource for clinicians and trainees wishing to delve more deeply into the practical and technical aspects of radiotherapy for these malignancies and will serve to enhance day-to-day management in clinical practice. The first section is devoted to prostate cancer and includes coverage of low dose rate and high dose rate brachytherapy, conventionally fractionated, moderately

hypofractionated, and ultra-hypofractionated external beam radiotherapy, and proton therapy. The second section focuses on radiotherapy considerations in relation to bladder cancer, testicular cancer, renal cell carcinoma, and rare malignancies such as penile cancer and urethral cancer. Radiotherapeutic treatment of patients with genitourinary malignancies now involves unprecedented precision and complexity, and this book will enable readers to exploit fully the exciting advances that have been achieved in recent years.

Sternberg's Diagnostic Surgical Pathology Elsevier Health Sciences

This text presents an overview of the basic science and principles of high dose chemotherapy, current state-of-the-art techniques and future developments such as gene therapy. The main section of the book is disease-based, setting the scientific principles within a clinical context and reviewing the application of high dose therapy in specific diseases. Additional sections discuss supportive care and long-term complications. High Dose Chemotherapy is directed at hematologists, clinical and medical oncologists in training or with an interest, rather than direct involvement, in the field.

Testicular Germ Cell Tumors Elsevier Health Sciences

Modern Management of Testicular Cancer Elsevier Health Sciences

Husband & Reznick's Imaging in Oncology Springer Science & Business Media

This volume presents the latest techniques used to study germ cell tumors (GCTs), including histopathology; in vitro and in vivo techniques for investigating GCT biology; novel methods for detecting minimal residual diseases; and sequencing considerations as they apply to GCTs. Chapters cover topics such as clinical applications of immunohistochemistry in GCTs in men; fluorescence in situ hybridization (FISH) detection of chromosomal 12p anomalies in testicular GCTs; evaluation of chemotherapeutic drugs for treatment of (cisplatin-resistant) germ cell cancer cell lines; targeted methylation analyses; and circulating microRNA panel for malignant GCT diagnosis and monitoring. Written in the highly successful Methods in Molecular Biology series format, chapters include introductions to their respective topics, lists of the necessary materials and reagents, step-by-step, readily reproducible laboratory protocols, and tips on troubleshooting and avoiding known pitfalls. Cutting-edge and comprehensive, Testicular Germ Cell Tumors: Methods and Protocols provides valuable information that is useful for both novice and expert GCT researchers interested in learning more about this field.

Intracranial Germ Cell Tumors Springer Science & Business Media

This book, edited by leading experts in radiology, nuclear medicine, and radiation oncology, offers a wide-ranging, state of the art overview of the specifics and the benefits of a multidisciplinary approach to the use of imaging in image-guided radiation treatments for different tumor types. The entire spectrum of the most important cancers treated by radiation are covered, including CNS, head and neck, lung, breast, gastrointestinal, genitourinary, and gynecological tumors. The opening sections of the book address background issues and a range of important technical aspects. Detailed information is then provided on the use of different imaging techniques for T staging and target volume delineation, response assessment, and follow-up in various parts of the body. The focus of the book ensures that it will be of interest for a multidisciplinary forum of readers comprising radiation oncologists, nuclear medicine physicians, radiologists and other medical professionals.

Evidence-based Urology Springer Science & Business Media

WHO Classification of Tumours of the Urinary System and Male Genital Organs is the eighth volume in the 4th Edition of the WHO series on histological and genetic typing of human tumours. This authoritative, concise reference book provides an international standard for oncologists and pathologists and will serve as an indispensable guide for use in the design of studies monitoring response to therapy and clinical outcome. Diagnostic criteria, pathological features, and associated genetic alterations are described in a strictly disease-oriented manner. Sections on all recognized neoplasms and their variants include new ICD-O codes, epidemiology, clinical features, macroscopy, pathology, genetics, and prognosis and predictive factors. It

contains numerous color photographs, MRIs, ultrasound images, CT scans, charts and references.

Urological Pathology Springer

Dr. Gilligan has recruited global experts to contribute articles on the topic of testes cancer. The issue is organized to mimic the clinical process of detection, treatment, and management. Included in the issue are articles on the biology, interpretation, and imaging of germ cell tumors; early stage and stage II of seminomas and nonseminomas; first, second, and third line of chemotherapy for disseminated germ cell tumors, resection of residual masses, and treatment of brain metastases.

Pediatric Lymphomas Springer

Handbook of Prostate Cancer and Other Genitourinary Malignancies provides a patient-centered, practical approach to diagnosis, treatment, and clinical management of cancers found in the genitourinary system. With the recent surge of new available treatments, new AJCC Staging guidelines and changes in approaches to care, remaining current and up-to-date can be extremely challenging for practicing clinicians. This comprehensive, multidisciplinary handbook is designed with the busy oncologist, urologist, general practitioner, and trainee in mind. The handbook discusses the standards and controversies of care for managing each genitourinary malignancy and stage of disease, including expert insight and recommendations for making treatment decisions from oncologists and urologists. Clearly marked key points emphasize the most important concepts in each chapter, while numerous tables and figures summarize and highlight important information for quick reference. Handbook of Prostate Cancer and Other Genitourinary Malignancies is an indispensable guide for all oncologists, urologists, and practitioners who regularly care for prostate cancer patients and patients with kidney cancer, bladder cancer, upper urothelial tract cancer, testicular cancer, or penile cancer. Key Features: Delivers the need-to-know points of prostate cancer screening, including recommendations on how to assess severity, avoid misdiagnosis, and mitigate overtreatment of low-grade prostate cancer Provides clinical pearls and treatment recommendations for patients who don't 'fit' the standard guidelines Covers all FDA-approved therapies for each genitourinary malignancy and indicates therapies that are in clinical trials Prepares physicians for challenging case scenarios and treatment decisions where controversies to clinical management persist Includes recommendations and best practices for follow up and survivorship care Summarizes AJCC staging criteria from the 8th Edition

Pathology and Genetics of Tumours of the Urinary System and Male Genital Organs Wolters Kluwer India Pvt. Ltd.

This comprehensive reference provides an overview of the general principles of cancer staging, as well as specific discussions of each tumour type across the body, including lymphoma and haematological malignancies. For each tumour, the pattern of disease involvement and disease spread are emphasized, the state-of-the-art imaging features surveyed, and the latest tumour staging and methods to assess treatment response are addressed. Separate sections discuss metastatic disease and the effects of treatment on normal and diseased tissues. The final section of the book highlights emerging functional and molecular imaging techniques to evaluate the different biological hallmarks of cancer.

Testicular Cancer Springer Science & Business Media

Completely updated, the Fourth Edition of this standard-setting two-volume reference presents the most advanced diagnostic techniques and the latest information on all currently known disease entities. More than 90 preeminent surgical pathologists offer expert advice on the diagnostic evaluation of every type of specimen from every anatomic site. The Fourth Edition contains 3,494 full-color photographs, of which over 1,100 are new. This edition has three distinguished new editors—Joel K. Greenson, MD, Victor E. Reuter, MD, and Mark H. Stoler, MD—and many new contributors. Updates include new immunohistochemical markers for lymphoid neoplasms, current nomenclature for lymphoid tumors, and state-of-the-art molecular genetic tests. A bound-in CD-ROM contains all the images from the book, downloadable to PowerPoint presentations.

Diseases of the Abdomen and Pelvis 2018-2021 Elsevier Health Sciences

Intracranial germ cell tumors are a group of uncommon neoplasms of the central nervous system. The clinical features and natural history of these lesions are quite unique and variable. While intracranial germ cell tumors

have been a fascination to neurooncologists for decades, the relatively small number of patients seen in any single institution has hampered the important clinical investigation that is so needed. This text is complete with detailed information concerning the epidemiology, pathology, oncological biology, clinical findings, radiology, and treatment options including surgical strategy, radiotherapy, and chemotherapy for this heterogeneous group of neoplasms. The ongoing clinical trials concerning the optimization of therapy are efficiently summarized. An important final segment addresses the late sequelae of therapy which is of great significance since the majority suffering from these tumors are young patients. This first and only book on intracranial germ cell tumors includes excellent and comprehensive data sheets, illustrations, and radiograms. It provides a detailed and outstanding reference source for physicians taking care of patients with intracranial germ cell tumors, and will be a very welcome edition to their reference libraries.

Imaging and Interventional Radiology for Radiation Oncology Springer Science & Business Media

Knowledge in the field of urologic pathology is growing at an explosive pace. Today's pathologists, specialists, and residents require a comprehensive and authoritative text that examines the full range of urological diseases and their diagnosis. Written by recognized leaders and educators in the field, the text provides readers with a detailed understanding of all diagnostic aspects of urological disease. Inside this unique resource, readers will explore a broad spectrum of practical information—including etiology, diagnostic criteria, molecular markers, differential diagnosis, ancillary tests, and clinical management. This is sure to be the new definitive text for urological pathology!