

Astro Guide To Radiation Oncology Coding

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Timothy M Zagar, MD presents on left breast radiation therapy at ASTRO 2016 ASTRO: The Healing Art lu0026 Science of Radiation Oncology An Introduction to Radiation Therapy Radiation Oncology Advocacy Webinar August 5 2020 David Gierga, PhD presents on breast radiation therapy at ASTRO 2016 ASTRO 2016--Enhancing Value, Improving Outcomes in Radiation Oncology ASTRO 2011 and the Future of Radiation Oncology Lecture ~~4~~ Introduction to Radiation Oncology ASTRO #WomenWhoCurie 2019 ASTRO 2020 Annual Meeting - Virtual Platform ASTRO 2020 Annual Meeting - Presidential Symposium An Overview of Radiation Oncology Full Radiation Therapy Session CANCER -- 'Make Ready to Receive,' Life Path Reading 'Timeless' What to Expect: Radiation Therapy 101 [Part 7 of 7] How a Linear Accelerator Works HD Radiologist Dispels Myths About Radiation Exposure and Risk of Cancer Treatment Options for Localized Prostate Cancer - Urology Care FoundationHow To Become a Radiation Oncologist Nuclear Medicine: A Potential Game Changer for Advanced Prostate Cancer Radiation Treatment for Brain Tumor- full procedure What is it like having Prostate Radiotherapy treatment? Radiation Oncology Care During COVID 19 - What Cancer Patients Need to Know 'Radiation Oncology Self-Assessment Guide' Pocket Guide to Radiation Oncology AGRO Medical Student Webinar: How to Excel at Radiation Oncology Away Rotations Prostate Cancer Radiotherapy - by Dr Amy Teh IOP ebooks meet the author Wilfred Ngwa Emerging options in radiotherapyAstro Guide To Radiation Oncology Practical Radiation Oncology New in the September/October issue: A blinded, prospective study of error detection during physician chart rounds in radiation oncology, automatic verification of beam apertures for cervical cancer radiation therapy and more. ASTROnews 2020 Annual Meeting Guide

Home - American Society for Radiation Oncology (ASTRO)

The Coding Resource is an essential coding reference for all radiation oncology practices. The 2020 edition of the ASTRO Coding Resource includes information on updated CPT codes that went into effect January 1, 2020. If you attend the ASTRO Coding and Coverage Seminar, you receive both the print and eBook with purchase of full registration.

Radiation Oncology Coding Resource - ASTRO

This guideline provides recommendations on the use of radiation therapy to treat adult women with cervical cancer. The guideline covers the curative management of invasive carcinomas of the uterine cervix, which include squamous cell carcinomas and adenocarcinomas.

ASTRO Guideline on Radiation Therapy for Cervical Cancer

ABOUT ASTRO The American Society for Radiation Oncology (ASTRO) is the world ' s largest radiation oncology society , with more than 10,000 members who are physicians, nurses, biologists, physicists, radiation therapists, dosimetrists and other health care professionals who specialize in treating patients with radiation therapies.

Adding image guidance to post-operative radiation therapy ...

ARLINGTON, Va., October 21, 2020 -- A new clinical guideline from the American Society for Radiation Oncology (ASTRO) provides guidance for physicians who use radiation therapy to treat patients...

ASTRO issues clinical guideline on radiation therapy for ...

New clinical guidelines from the American Society for Radiation Oncology (ASTRO) published in Practical Radiation Oncology provided guidance for physicians who use radiation therapy to treat patients with locally advanced rectal cancer. 1. The updated guidelines, which replace ASTRO ' s 2016 guidance for rectal cancer, outlined indications and best practices for pelvic radiation treatments, as ...

ASTRO Releases New Clinical Guidelines for Use of ...

ABOUT ASTRO The American Society for Radiation Oncology (ASTRO) is the world's largest radiation oncology society, with more than 10,000 members who are physicians, nurses, biologists, physicists ...

Adding advanced PET scans to radiation plans for prostate ...

COVID-19 Coding Updates ASTRO has issued coding guidance to provide radiation oncology practices with information regarding proper coding for telehealth services during this public health emergency. Coding Guidance Articles Coding Guidance Articles provide detailed information on specific modalities for navigating radiation oncology coding.

Coding Guidance - American Society for Radiation Oncology ...

The radiation oncology coding section provides information on a number of activities ASTRO engages in to ensure proper coding of radiation oncology services. We also offer a number of resources to assist in correct coding of radiation therapy services and to assist you and your office staff in submitting accurate claims for reimbursement of services provided.

Coding - American Society for Radiation Oncology (ASTRO) ...

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The American Society for Radiation Oncology (ASTRO) is accredited by the Accreditation Council of Continuing Medical Education to provide continuing medical education for physicians. The American Society for Radiation Oncology (ASTRO) designates this Journal-based CME activity for a maximum of 1.00 AMA PRA Category 1 Credit™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

The Implications of Genetic Testing on ... - ASTRO

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official guide to radiation keywords radiation oncology the official guide to radiation created date 10 14 2020 65915 pm this special edition of astronews serves as your guide to the 2020 annual meeting and includes a look at the virtual platform whats new for 2020 and special sessions and highlights coding guide the 2020 coding ebook

This book concisely reviews important advances in radiation oncology, providing practicing radiation oncologists with a fundamental understanding of each topic and an appreciation of its significance for the future of radiation oncology. It explores in detail the impact of newer imaging modalities, such as multiparametric magnetic resonance imaging (MRI) and positron emission tomography (PET) using fluorodeoxyglucose (FDG) and other novel agents, which deliver improved visualization of the physiologic and phenotypic features of a given cancer, helping oncologists to provide more targeted radiotherapy and assess the response. Due consideration is also given to how advanced technologies for radiation therapy delivery have created new treatment options for patients with localized and metastatic disease, highlighting the increasingly important role of image-guided radiotherapy in treating systemic and oligometastatic disease. Further topics include the potential value of radiotherapy in enhancing immunotherapy thanks to the broader immune-stimulatory effects, how cancer stem cells and the tumor microenvironment influence response, and the application of mathematical and systems biology methods to radiotherapy.

This handbook summarizes the data and techniques for hypofractionation and stereotactic radiation in a clinically-accessible way. Hypofractionated radiation therapy, which consists of larger-dose radiation treatments that are given over a shorter time period compared to conventional radiation fraction sizes, is used to treat a variety of cancers, including prostate, breast, lung, and colorectal. Conventional radiation therapy and hypofractionated radiation therapy have different effectiveness rates for cancer treatment and have different impacts on normal tissues in terms of causing toxicity. There is a significant and growing body of literature on the use of different dosing regimens to treat a variety of cancers and radiation oncologists need to keep up with the various dosing schedules, the effect of each regimen on cancer control in different cancers, and how the different schedules affect each organ in terms of toxicity. The book thus provides concise information ranging from commonly-used dose-fractionation schemes for hypofractionated and stereotactic body radiotherapy to simulation and treatment specifications to published safety and efficacy data. Chapters additionally examine the biological rationales for the efficacy of hypofractionated radiation; present clinical studies that demonstrate the efficacy and safety of hypofractionated radiation treatment in a variety of cancers; and describe the advances in technology that have allowed hypofractionated radiation to be safely given. This is an ideal guide for radiation oncology clinicians and trainees.

Modern medical imaging and radiation therapy technologies are so complex and computer driven that it is difficult for physicians and technologists to know exactly what is happening at the point-of-care. Medical physicists responsible for filling this gap in knowledge must stay abreast of the latest advances at the intersection of medical imaging and radiation therapy. This book provides medical physicists and radiation oncologists current and relevant information on Adaptive Radiation Therapy (ART), a state-of-the-art approach that uses a feedback process to account for patient-specific anatomic and/or biological changes, thus delivering highly individualized radiation therapy for cancer patients. The book should also benefit medical dosimetrists and radiation therapists. Adaptive Radiation Therapy describes technological and methodological advances in the field of ART, as well as initial clinical experiences using ART for selected anatomic sites. Divided into three sections (radiobiological basis, current technologies, and clinical applications), the book covers: Morphological and biological biomarkers for patient-specific planning Design and optimization of treatment plans Delivery of IMRT and IGRT intervention methodologies of ART Management of intrafraction variations, particularly with respiratory motion Quality assurance needed to ensure the safe delivery of ART ART applications in several common cancer types / anatomic sites The technology and methodology for ART have advanced significantly in the last few years and accumulated clinical data have demonstrated the need for ART in clinical settings, assisted by the wide application of intensity modulated radiation therapy (IMRT) and image-guided radiation therapy (IGRT). This book shows the real potential for supplying every patient with individualized radiation therapy that is maximally accurate and precise.

Designed to serve as a comprehensive active learning tool for medical students, residents, and junior attending physicians, Radiation Oncology: A Question-Based Review is geared toward helping professionals quickly and efficiently review a specific topic in clinical radiation oncology. Organized into sections by system and with over 90 chapters covering all the sites and conditions for which radiation is used clinically. This publication covers in detail all the sites and cancer types currently treated with radiotherapy with an emphasis on treatment recommendations and the evidence behind them. Additionally, detailed questions are included on the natural history, epidemiology, diagnosis, staging, and treatment-related side effects for each cancer type.

This book provides a quick reference guide for clinicians in radiation oncology. It is designed to be an intuitive and easily reviewed study guide for board or maintenance of certification examinations, as well as a quick reference for residents and established radiation oncologists who need a refresher. The text begins with a general pearls chapter that radiation oncologists should consider in all aspects of their practice, including cancer visibility, dosing, counseling recommendations, and toxicity management. The subsequent chapters then delve into different cancer disease sites, including pediatrics, central nervous system, head and neck, thoracic, breast, gastrointestinal, gynecologic, genitourinary, hematologic, soft tissue, palliative, and radiophysics/radiobiology. Within each chapter, each disease and its recommended approach is then summarized in only a few pages, allowing a focus on the most essential information. Bullet points, figures, tables, and images make for an intuitive reader experience. Recommendations are taken from the American Society for Radiation Oncology (ASTRO), the European Society for Radiation Oncology (ESTRO), and the National Comprehensive Cancer Network (NCCN). Planning guides for imaging, diagnosis, and staging offer readers a starting point in approaching each patient based on disease origin, and dosing guidelines then detail consideration for treatment methods. Each chapter additionally includes disease-specific pearls and key points to test the knowledge reviewed in the chapters. Experts in the disease sites from the United States serve as senior authors on each chapter. The authors include all diseases associated with radiation oncology training to ensure a comprehensive resource for exam studying and clinical care. Residents, trainees, and established radiation oncologists find this an ideal study resource for both board and certification exams, as well as an easily accessible aid during practice.

Surface Guided Radiation Therapy provides a comprehensive overview of optical surface image guidance systems for radiation therapy. It serves as an introductory teaching resource for students and trainees, and a valuable reference for medical physicists, physicians, radiation therapists, and administrators who wish to incorporate surface guided radiation therapy (SGRT) into their clinical practice. This is the first book dedicated to the principles and practice of SGRT, featuring Chapters authored by an internationally represented list of physicists, radiation oncologists and therapists, edited by pioneers and experts in SGRT Covering the evolution of localization systems and their role in quality and safety, current SGRT systems, practical guides to commissioning and quality assurance, clinical applications by anatomic site, and emerging topics including skin mark-less setups. Several dedicated chapters on SGRT for intracranial radiosurgery and breast, covering technical aspects, risk assessment and outcomes. Jeremy Hoisak, PhD, DABR is an Assistant Professor in the Department of Radiation Medicine and Applied Sciences at the University of California, San Diego. Dr. Hoisak ' s clinical expertise includes radiosurgery and respiratory motion management. Adam Paxton, PhD, DABR is an Assistant Professor in the Department of Radiation Oncology at the University of Utah. Dr. Paxton ' s clinical expertise includes patient safety, motion management, radiosurgery, and proton therapy. Benjamin Waghorn, PhD, DABR is the Director of Clinical Physics at Vision RT. Dr. Waghorn ' s research interests include intensity modulated radiation therapy, motion management, and surface image guidance systems. Todd Pawlicki, PhD, DABR, FAAPM, FASTRO, is Professor and Vice-Chair for Medical Physics in the Department of Radiation Medicine and Applied Sciences at the University of California, San Diego. Dr. Pawlicki has published extensively on quality and safety in radiation therapy. He has served on the Board of Directors for the American Society for Radiology Oncology (ASTRO) and the American Association of Physicists in Medicine (AAPM).

This book is an evidence-based guide to the prevention and current management of acute and late toxicities of radiation therapy for a wide range of malignancies. Each chapter focuses on a particular anatomic site and provides information on normal sectional anatomy, contouring of target volumes and organs at risk, dose constraints, the pathophysiology of radiation toxicity, and treatment approaches for each potential toxicity. The information provided will assist in the planning and delivery of intensity-modulated radiation therapy, including volumetric modulated arc therapy, stereotactic radiosurgery, and stereotactic body radiotherapy. It will also enable the selection of appropriate, evidence-based management options in individual patients who experience radiation toxicities, taking into account the organ-specific pathophysiology of radiation injury. Written by acknowledged experts and featuring numerous high-quality illustrations, the book will be an ideal reference aid for practicing clinical and radiation oncologists, radiotherapists, fellows, residents, and nurses.

Stereotactic body radiation therapy (SBRT) has emerged as an important innovative treatment for various primary and metastatic cancers. This book provides a comprehensive and up-to-date account of the physical/technological, biological, and clinical aspects of SBRT. It will serve as a detailed resource for this rapidly developing treatment modality. The organ sites covered include lung, liver, spine, pancreas, prostate, adrenal, head and neck, and female reproductive tract. Retrospective studies and prospective clinical trials on SBRT for various organ sites from around the world are examined, and toxicities and normal tissue constraints are discussed. This book features unique insights from world-renowned experts in SBRT from North America, Asia, and Europe. It will be necessary reading for radiation oncologists, radiation oncology residents and fellows, medical physicists, medical physics residents, medical oncologists, surgical oncologists, and cancer scientists.

Perfect for radiation oncologists, medical physicists, and residents in both fields, Practical Radiation Oncology Physics provides a concise and practical summary of the current practice standards in therapeutic medical physics. A companion to the fourth edition of Clinical Radiation Oncology, by Drs. Leonard Gunderson and Joel Tepper, this indispensable guide helps you ensure a current, state-of-the-art clinical practice. Covers key topics such as relative and in-vivo dosimetry, imaging and clinical imaging, stereotactic body radiation therapy, and brachytherapy. Describes technical aspects and patient-related aspects of current clinical practice. Offers key practice guideline recommendations from professional societies throughout - including AAPM, ASTRO, ABS, ACR, IAEA, and others. Includes therapeutic applications of x-rays, gamma rays, electron and charged particle beams, neutrons, and radiation from sealed radionuclide sources, plus the equipment associated with their production, use, measurement, and evaluation. Features a "For the Physician" box in each chapter, which summarizes the key points with the most impact on the quality and safety of patient care. Provides a user-friendly appendix with annotated compilations of all relevant recommendation documents. Includes an enhanced Expert Consult eBook with open-ended questions, ideal for self-assessment and highlighting key points from each chapter. Download and search all of the text, figures, and references on any mobile device.

This book addresses the most relevant aspects of radiation oncology in terms of technical integrity, dose parameters, machine and software specifications, as well as regulatory requirements. Radiation oncology is a unique field that combines physics and biology. As a result, it has not only a clinical aspect, but also a physics aspect and biology aspect, all three of which are inter-related and critical to optimal radiation treatment planning. In addition, radiation oncology involves a host of machines/software. One needs to have a firm command of these machines and their specifications to deliver comprehensive treatment. However, this information is not readily available, which poses serious challenges for students learning the planning aspect of radiation therapy. In response, this book compiles these relevant aspects in a single source. Radiation oncology is a dynamic field, and is continuously evolving. However, tracking down the latest findings is both difficult and time-consuming. Consequently, the book also comprehensively covers the most important trials. Offering an essential ready reference work, it represents a value asset for all radiation oncology practitioners, trainees and students.

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