

## Patient Care In Radiography With An Introduction To Medical Imaging 8e Ehrlich Patient Care In Radiography

Introduction to Radiologic and Imaging Sciences and Patient Care E-Book

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Confidently master vital skills that will help you provide high-quality care to your radiography patients, including safety, transfer, positioning, infection control, and assessment procedures. Comprehensive and in-depth information closely follows ASRT curriculum guidelines to guide you through key elements of patient care, as well as topics related to microbiology, emerging diseases, transcultural communication, administering medications, and bedside radiography. In addition, almost 500 illustrations and photographs visually demonstrate important procedures and assist you in acquiring both the technical and the interpersonal skills needed in the clinical environment. Information from the American Society of Radiologic Technologists includes the organizational structure of ASRT and the scope of practice standards relevant to the radiographer. Comprehensive overviews of department organization, job opportunities, radiation protection, clinical environment, and ethics provide a solid foundation for both students and professionals. Patient care tips alongside descriptions of procedures encourage high-quality patient care in addition to technical proficiency. Consistent, straightforward, engaging writing style explains and breaks down complex concepts for easier understanding. Infection control content covers infectious diseases, guidelines for hand hygiene, and use of needleless devices, providing necessary information to help prevent the spread of infection. Chapter on special imaging techniques and modalities discusses CT angiography, MRI, mammography, and PET imaging, keeping you up to date with a wide range of imaging modalities. Procedures are described step by step, with pictures showing each step. Case Studies focus on medicolegal terms, standards, and applications, preparing you to problem-solve in real life clinical situations. Expanded coverage of HIPAA regulations includes relevant examples of compliance in today's imaging departments. Cultural diversity is explored in greater depth in the Communications chapter, designed to facilitate effective communication among culturally diverse healthcare professionals and patients. Chapter outlines, vocabulary lists, and learning objectives help you make the most of your study and review time. Check-off forms for documenting clinical objectives related to patient care are provided in an appendix. More review questions are provided at the end of each chapter, and some chapters include additional critical thinking questions. More Spanish phrases are included in an appendix, helping you better communicate with Spanish-speaking patients in the clinical setting.

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This popular textbook helps imaging technology students acquire the technical and the interpersonal skills they need to provide expert patient care in the clinical environment. It also provides an excellent orientation to clinical work for the beginning student and serves as an up-to-date reference on patient care. Each chapter connects a specific topic with its applications for patient care. Skills that are essential for quality patient care in radiography, such as safety, transfer, positioning, infection control, and patient assessment, are emphasized throughout. In addition, readers will find information on microbiology, emerging diseases, transcultural communication, ECGs, administering medications, and bedside radiography. Instructor resources are available; please contact your Elsevier sales representative for details. Photo essays present step-by-step descriptions of procedures, with illustrations provided for key steps. Comprehensive introductory topics include historical review, department organization, job opportunities, radiation protection, clinical environment, and ethics. Patient care tips are integrated with procedural skills and descriptions, preparing the student to provide high-quality patient care along with technical Proficiency. Consistent, straightforward, engaging writing style breaks down complex concepts with clear explanations that increase student understanding. An expanded chapter on the radiographer as member of the health care team (Chapter 2) includes information on the health care delivery system, roles of other health care professionals, professionalism, and career opportunities. Critical thinking exercises, learning objectives, vocabulary list, and review questions focus the reader's attention on key information. Definitions for each chapters' vocabulary lists are provided in a glossary that assists student in learning key terms. Two-color design highlights text headings and illustrations, increasing readability and showing greater detail in illustrations. (chapter 12) includes updated and expanded material on CT angiography, MRI,

mammography, and PET imaging. Many new illustrations enhance understanding of content and visual appeal. Each chapter contains learning objectives, vocabulary list, review questions, and critical thinking exercises. Case studies have been added where appropriate, focusing on medicolegal terms, standards, and applications, to encourage problem solving. New tables and charts, including normal patient temperatures ranges, normal range of values for common clinical lab tests, parenteral medication administration routes, and symptoms and treatment for reactions to contrast media provide current medical information in an easy-to-read format. New and updated material is included on the following topics: • Expanded information on cultural diversity. • Updated information on the employment outlook for radiologic technologists. • Updated information about the Human Genome Project and the ethical implications of this information on professional practice. • Cycle of infection has been expanded to include discussion of portal of exit and portal of entry along with other steps of the cycle. • CDC revised guidelines for hand hygiene in 2002, including the use of alcohol rubs along with handwashing and use of needleless devices. • New information on management of occupational exposures to bloodborne pathogens. • Information on the 1997 OSHA proposed standard on TB. • Expanded information on patient assessment, especially in the areas of common laboratory tests and diagnostic electrocardiography. • Information on anticonvulsants and antiarrhythmics added to chapter on medication administration. • Information on the Needlestick Safety and Prevention act of 2000, (effective in 2001), resulting in use of new devices and needleless systems. • Information on gas plasma technology as a method of sterilizing equipment. • Updated procedures for cystography and voiding cystourethrography and postoperative T-tube cholangiography. • Expanded information on cultural diversity is included in the chapter on Professional Attitudes and Communications (chapter 3).

Learn to master radiography patient care with the book that covers it best! With step-by-step instructions and more than 400 full-color illustrations, Patient Care in Radiography, 10th Edition is the perfect resource to help teach you effective radiography patient care. Each chapter expertly guides you through the latest guidelines, carefully making the connection between the topics being discussed and how they relate to patient care. An emphasis is placed on the skills and procedures that are imperative for quality patient care - including safety, transfer, positioning, infection control, and patient assessment. Also included is information on microbiology, emerging diseases, trans-cultural communication, ECGs, administering medications, and bedside radiography to ensure you are well-versed in both the technical and interpersonal skills needed for professional practice. Coverage of patient care and procedural skills helps provide safe, high-quality patient care and technical proficiency. Step-by-step procedures are shown in photo essays, demonstrated with more than 400 full-color illustrations. Case studies focus on medicolegal terms, standards, and applications and help build problem-solving skills. Coverage of infection control helps emphasize the importance of preventing the spread of diseases. Special Imaging Modalities chapter provides an overview of patient care for a wide range of imaging methods. Chapter outlines, objectives, key terms, summaries, review questions, and critical thinking exercises focus on the key information in each chapter. Answers to the review questions are included in the back of the book. NEW! New images highlight many patient procedures and visually demonstrate how to care for patients. NEW! Updated content covers the most current exams, procedures, and technologies, as well as the most current information from the American Society of Radiologic Technologists.

With chapters from globally recognized academics, General Radiography shows the multifaceted approach to general radiography and how it enhances healthcare delivery. Potentially influential to how healthcare delivery is offered, it begins with the pertinent chapters examining image acquisition and dose optimization in diagnostic radiography. Next, chapters reflect and critically discuss aspects central to patient care, and imaging within trauma, critical care and pediatric situations. The final section of this book then explores the learning, teaching and education in the field of diagnostic radiography, with novel strategies illustrated.

This cutting-edge guide to value-based radiology provides readers with the latest information on all aspects of the subject. Healthcare delivery is experiencing a rapid transition towards a value-based model, the underlying idea being that providers are paid on the basis of patient's health outcomes rather than the total services delivered. Radiology departments are facing many challenges as they attempt to improve operational efficiency, performance, and quality in order to keep pace with this transition. In the first part of this book, readers will find information on the theoretical basis and general concepts of value-based radiology. The second part focuses on value-based practice in specific areas of radiology: neuro/head and neck, thoracic, abdominopelvic, musculoskeletal, breast, cardiovascular, and pediatric. All topics are discussed by prominent experts in a clearly organized and well-illustrated form that will help readers to gain the most from each chapter. The book will be a valuable resource for radiologists and healthcare managers working in public or private institutions, as well as an excellent quick reference guide for all other physicians interested in the topic.

Designed for quick reference in the clinical environment, Merrill's Pocket Guide to Radiography is a pocket-sized companion to Merrill's Atlas of Radiographic Positioning and Procedures, 12th Edition. This handy resource summarizes essential information for 170 of the most frequently requested projections you'll encounter. Authors Eugene Frank, Barbara Smith, and Bruce Long concisely present just the information you'll need for quick reference -- keep it with you and keep Merrill's close at hand! Diagnostic-quality radiographs demonstrate desired imaging results. Key positioning information is formatted for quick and easy access. Each procedure is presented in a two-color, two-page spread with bulleted, step-by-step procedures and accompanying images on the top page; and a chart with spaces to fill in the specific techniques used for a particular projection on the bottom page. Section dividers with tabs offer quick access to each section. Computed radiography information allows you to make the subtle adjustments necessary to obtain optimal results with CR. Exposure technique chart for every projection helps reduce the number of repeat radiographs and improves overall image quality. Abbreviations and external landmark charts on the inside covers provide quick access to frequently needed information. kVp values are included for each projection. Compensating filter information included for those projections where filters are used. New exposure index column for use with digital imaging systems Specific collimation settings for all projections done using DR Systems

Offers an outline of all the major subject areas covered on the American Registry of Radiologic Technology exam in radiography. This book contains revision questions and

answers and an employment preparation section.

Intended to improve the care of the patient in imaging and radiotherapy departments, this book is written for student radiographers, radiotherapy nurses and other paramedical staff. Patient preparation, the use of drugs, hygiene and nursing procedures are topics covered within the text.

Preceded by: Introduction to radiologic sciences and patient care / [edited by] Arlene M. Adler, Richard R. Carlton. c2012.

First published in 1939, Clark's Positioning in Radiography is the preeminent text on positioning technique for diagnostic radiographers. Whilst retaining the clear and easy-to-follow structure of the previous edition, the thirteenth edition includes a number of changes and innovations in radiographic technique. The text has been extensively updated. Patient Care in Radiography helps you acquire and refine both the technical and interpersonal skills you need to provide quality patient care in the clinical environment. Because patient care is involved in virtually every aspect of imaging, high-quality patient care is just as important as your competent performance of procedures. In Patient Care in Radiography, patient care is integrated with procedural skills throughout the text, ensuring that you know how to provide the best care for every patient you encounter. Skills that are imperative for quality patient care in radiography, such as safety, transfer, and positioning; infection control; and patient assessment are emphasized. You'll find full coverage of introductory topics, as well as key information on microbiology, emerging diseases, transcultural communication, ECGs, administration of medications, and bedside radiography.

Trauma and Mobile Radiography is a concise introduction to radiographing trauma patients. This easy-to-read guide emphasizes mobile radiography fundamentals since most trauma work is performed using portable units. Its user-friendly style will help students and practicing radiographers produce better images in difficult situations, avoiding "learning by accident" trauma situations. Describes supportive measures for medical emergencies

Presenting the information a technologist needs to know to perform advanced diagnostic and interventional special procedures, this text provides complete coverage of topics such as angiography, cardiac catheterization, and vascular interventions. A general overview includes room design, image recording systems, injection devices, contrast media, and catheters. Coverage of specific imaging procedures includes anatomy, indications and contraindications, procedures, contrast media, patient care, equipment, and patient positioning. Discussions of cardiac and vascular interventional procedures help practicing radiographers prepare for the ARRT advanced certification exams. Special tables for equipment tray setup list the items needed for each procedure. Chapter summaries recap the most important information and provide a quick review. Key terms are bolded throughout chapters. Special boxes draw attention to important information in the chapter. List of pharmaceutical resources is included in new appendix. End-of-chapter questions include 10 multiple-choice questions for self-assessment. Chapter objectives focus on the most important information to be learned. Updated art program includes new line drawings, diagnostic images, and equipment photographs. New content includes: Positron emission tomography MR angiography Peripheral angiography and venography Left heart cardiac catheterization Monitoring procedures and equipment during cardiac catheterization Extensive additions to the vascular procedures sections, including: Revascularization Thrombolytic therapy Ablation Embolization Transcatheter biopsy Transjugular intrahepatic portosystemic shunts Inferior vena cava filters Information about HIPAA

Practical and comprehensive, this resource offers up-to-date coverage of computed radiography, digital radiography, and PACS. It explores the differences between conventional and digital imaging systems and how computed and digital radiography systems fit within the radiology department. State-of-the-art information on image acquisition, exposure guidelines, and quality control help you obtain the best possible radiographs. You'll also learn about PACS workstations, archiving, film digitization, image printing, and more. For this revised reprint, we have updated Chapters 4, 5, 6, 7, and 12. In Chapter 4, revisions have been made to the Digitizing the Signal and Speed Class sections. In Chapter 5, revisions have been made to the Imaging Plate Selection, Grid Selection, and Automatic Data Recognition sections. In Chapter 6, the Indirect Conversion, CsI Detectors, Detective Quantum Efficiency, and Spatial Resolution sections have been revised. In Chapter 12, the Quality Control Standards section has been revised. Discusses the similarities and differences between conventional and digital systems. Introduces basic computer components and networking concepts for a solid foundation in the principles of computing. Provides balanced coverage of computed radiography (CR), digital radiography (DR), and PACS systems. Includes step-by-step guidance for acquiring, processing, and producing radiographic images using CR/DR technologies. Explores the CR/DR quality workstation, as well as advanced image processing and manipulation functions available on many of the latest CR/DR workstations. Offers complete coverage of PACS workstations, archiving solutions, and system architectures, including information on film digitization, printing images, and preparing image files. Provides comprehensive quality control and management guidelines for PACS, CR, and DR. Chapter objectives, chapter summaries, key terms, and review questions reinforce key concepts and help you retain and recall important information.

Torres' Patient Care in Imaging Technology, 9th Edition helps students develop the knowledge and skills they need to become safe, perceptive, and efficient radiologic technologists. The book offers a strong illustration program and a logical organization that emphasizes the connections between classroom learning and clinical practice. Fully aligned with the latest ARRT and ASRT standards, this edition covers current trends and advances in the field and offers an unparalleled array of online teaching and learning resources.

Diagnostic errors are important in all branches of medicine because they are an indication of poor patient care. As the number of malpractice cases continues to grow, radiologists will become increasingly involved in litigation. The aetiology of radiological error is multi-factorial. This book focuses on (1) some medico-legal aspects inherent to radiology (radiation exposure related to imaging procedures and malpractice issues related to contrast media administration are discussed in detail) and on (2) the spectrum of diagnostic errors in radiology. Communication issues between the radiologists and physicians and between the radiologists and patients are also presented. Every radiologist should understand the sources of error in diagnostic radiology as well as the elements of negligence that form the basis of malpractice litigation.

Learn the professional and patient care skills you need for clinical practice! A clear, concise introduction to the imaging sciences, Introduction to Radiologic Sciences and Patient Care meets

the standards set by the American Society of Radiologic Technologists (ASRT) Curriculum Guide and the American Registry of Radiologic Technologists (ARRT) Task List for certification examinations. Covering the big picture, expert authors Arlene M. Adler and Richard R. Carlton provide a complete overview of the radiologic sciences professions and of all aspects of patient care. More than 300 photos and line drawings clearly demonstrate patient care procedures. Step-by-step procedures make it easy to follow learn skills and prepare for clinicals. Chapter outlines and objectives help you master key concepts. Key Terms with definitions are presented at the beginning of each chapter. Up-to-date references are provided at the end of each chapter. Appendices prepare you for the practice environment by including practice standards, professional organizations, state licensing agencies, the ARRT code of ethics, and patient's rights information. 100 new photos and 160 new full-color line drawings show patient care procedures. Updates ensure that you are current with the Fundamentals and Patient Care sections of the ASRT core curriculum guidelines. New and expanded coverage is added to the chapters on critical thinking, radiographic imaging, vital signs, professional ethics, and medical law. Student resources on a companion Evolve website help you master procedures with patient care lab activities and review questions along with 40 patient care videos.

Never HIGHLIGHT a Book Again Virtually all testable terms, concepts, persons, places, and events are included. Cram101 Textbook Outlines gives all of the outlines, highlights, notes for your textbook with optional online practice tests. Only Cram101 Outlines are Textbook Specific. Cram101 is NOT the Textbook. Accompanys: 9780521673761

"...covers many topics essential to the success of the nurse working in an imaging setting ... The handbook's size make it easily portable as a bedside reference...[It]would be a welcome addition to any radiology nursing unit's resources and would be a useful handbook in the emergency and critical care units' libraries as well." -Kathleen A. Gross, MSN, RN-BC, CRN From the Foreword This portable guide to radiology nursing provides comprehensive information about this emerging specialty in a concise format designed for speedy information retrieval. Written for both practicing nurses and new orientees, it outlines general procedures and protocols, along with requisite information for patient care in specialized areas of radiology. It discusses care for all patient populations including morbidly obese, pediatric, geriatric, and oncology and addresses vascular access, infection control, teamwork, and sterile technique in the radiology setting. The book encompasses over 50 different IR procedures, and also describes emergency situations in radiology and how to respond to them. With an emphasis on inter-professional care, the book demystifies complex procedures and includes clinical "pearls" from seasoned experts in radiology nursing. The book's "Fast Facts" format features consistently organized chapters, bulleted information "at a glance," an introduction, objectives, and summary in each chapter, and case studies to reinforce radiological interventions. The guide will be a welcome addition to the arsenal of radiology, emergency, and clinical care nurses as well as new orientees. Key Features: Serves as an accessible, easy-to use, reference for practicing radiology nurses and new orientees Describes numerous essential procedures and protocols in reader-friendly "Fast Facts" style Addresses patient care in all areas of radiology and with specific patient populations Includes coverage of vascular access issues and emergency situations Delivers the accumulated wisdom of seasoned inter-professional practitioners

This book provides an overview of all aspects of radiography for the practitioner. It is written to address the areas of practice of assistant practitioners and practitioners within the clinical environment. Areas covered range from ethics and communication, through to the physics of radiography and x-ray production, and specialist techniques. Anatomy, physiology and pathology are also covered, ensuring the text is a complete introduction to radiography. Each chapter covers key points and provides revision questions (with answers) and recommended reading for exploring the chapter topic in more depth. Very structured text with clear headings and relevance to practice indicated throughout Chapter style will enable students to dip into text to find relevant information as an aid to revision Set of revision questions at end of each chapter All contributors currently teach Assistant Practitioners and student radiographers

Master radiographic positioning and produce quality radiographs! Bontrager's Workbook for Textbook of Radiographic Positioning and Related Anatomy, 9th Edition offers opportunities for application to enhance your understanding and retention. This companion Workbook supports and complements Lampignano and Kendrick's text with a wide variety of exercises including situational questions, laboratory activities, self-evaluation tests, and film critique questions, which describe an improperly positioned radiograph then ask what corrections need to be made to improve the image. A wide variety of exercises include questions on anatomy, positioning critique, and image evaluation, with answers at the end of the workbook, to reinforce concepts and assess learning. Situational questions describe clinical scenarios then ask a related question that requires you to think through and apply positioning info to specific clinical examples. Chapter objectives provide a checklist for completing the workbook activities. Film critique questions describe an improperly positioned radiograph then ask what corrections need to be made to improve the image, preparing you to evaluate the quality of radiographs you take in the clinical setting. Laboratory exercises provide hands-on experience performing radiographs using phantoms, evaluating the images, and practicing positioning. Self-tests at the end of chapters help you assess your learning with multiple choice, labeling, short answer, matching, and true/false questions. Answers are provided on the Evolve site. NEW! Updated content matches the revisions to the textbook, supporting and promoting understanding of complex concepts. NEW and UPDATED! Stronger focus on computed and digital radiography, with images from the newest equipment to accompany related questions, prepares you for the boards and clinical success.

Now in its eighth edition, Torres' Patient Care in Imaging Technology is trusted to develop the knowledge and skills that enable students to become safe and sensitive practitioners in every aspect of patient care. The text is designed to present key concepts effectively for beginning students as well as more advanced students and practitioners who want to improve their skills in patient care and imaging technology. Torres' Patient Care in Imaging Technology is a highly visual, focused, comprehensive text that presents key concepts, current trends, and advances in imaging technology and patient care in an engaging manner. The new edition includes an introductory chapter on radiography and contains expanded coverage of HIPAA and diversity. Two new features: Cultural Considerations boxes and Case Studies with critical thinking questions, build on the text's emphasis on helping students develop the skills needed to think critically and react appropriately in an actual clinical setting. The student-friendly writing style and logical organization allow instructors to cover the essentials of patient care in a limited amount of time. An illustration- and feature-rich approach enhances learning for students of multiple learning styles.

Learn to master radiography patient care with the book that covers it best! With step-by-step instructions and more than 400 full-color illustrations, Patient Care in Radiography, 10th Edition is the perfect resource to help teach you effective radiography patient care. Each chapter expertly guides you through the latest guidelines, carefully making the connection between the topics

being discussed and how they relate to patient care. An emphasis is placed on the skills and procedures that are imperative for quality patient care — including safety, transfer, positioning, infection control, and patient assessment. Also included is information on microbiology, emerging diseases, trans-cultural communication, ECGs, administering medications, and bedside radiography to ensure you are well-versed in both the technical and interpersonal skills needed for professional practice. Coverage of patient care and procedural skills helps provide safe, high-quality patient care and technical proficiency. Step-by-step procedures are shown in photo essays, demonstrated with more than 400 full-color illustrations. Case studies focus on medicolegal terms, standards, and applications and help build problem-solving skills. Coverage of infection control helps emphasize the importance of preventing the spread of diseases. Special Imaging Modalities chapter provides an overview of patient care for a wide range of imaging methods. Chapter outlines, objectives, key terms, summaries, review questions, and critical thinking exercises focus on the key information in each chapter. Answers to the review questions are included in the back of the book. NEW! New images highlight many patient procedures and visually demonstrate how to care for patients. NEW! Updated content covers the most current exams, procedures, and technologies, as well as the most current information from the American Society of Radiologic Technologists.

More than 400 projections make it easier to learn anatomy, properly position the patient, set exposures, and take high-quality radiographs! With Merrill's Atlas of Radiographic Positioning & Procedures, 13th Edition, you will develop the skills to produce clear radiographic images to help physicians make accurate diagnoses. Going beyond anatomy and positioning, Volume 3 prepares you for special imaging modalities and situations such as pediatric imaging, mobile radiography, operating room radiography, cardiac catheterization, computed tomography, magnetic resonance imaging, and radiation therapy. Written by radiologic imaging experts Bruce Long, Jeannean Hall Rollins, and Barbara Smith, Merrill's Atlas is not just the gold standard in radiographic positioning references, and the most widely used, but also an excellent review in preparing for ARRT and certification exams! Comprehensive, full-color coverage of anatomy and positioning makes Merrill's Atlas the most in-depth text and reference available for radiography students and practitioners. Coverage of common and unique positioning procedures includes special chapters on trauma, surgical radiography, geriatrics/pediatrics, and bone densitometry, to help prepare you for the full scope of situations you will encounter. Coverage of special imaging modalities and situations in this volume includes mobile radiography, operating room radiography, computed tomography, cardiac catheterization, magnetic resonance imaging, ultrasound, nuclear medicine technology, bone densitometry, positron emission tomography, and radiation therapy. UNIQUE! Collimation sizes and other key information are provided for each relevant projection. Frequently performed projections are identified with a special icon to help you focus on what you need to know as an entry-level radiographer. Numerous CT and MRI images enhance your comprehension of cross-sectional anatomy and help you prepare for the Registry examination. Projection summary tables in each procedural chapter offer general chapter overviews and serve as handy study guides. Summary tables provide quick access to projection overviews, guides to anatomy, pathology tables for bone groups and body systems, and exposure technique charts. Bulleted lists provide clear instructions on how to correctly position the patient and body part when performing procedures. Pathology summary tables provide quick access to the likely pathologies for each bone group or body system. NEW positioning photos show current digital imaging equipment and technology. NEW! Coverage of the latest advances in digital imaging also includes more digital radiographs with greater contrast resolution of pertinent anatomy. UPDATED Pediatric Imaging chapter addresses care for the patient with autism, strategies for visit preparation, appropriate communication, and environmental considerations. UPDATED Geriatric Radiography chapter describes how to care for the patient with Alzheimer's Disease and other related conditions.

Learn the technical and interpersonal skills you need to care for radiography patients! Patient Care in Radiography with an Introduction to Medical Imaging, 9th Edition provides illustrated, step-by-step instructions for a wide range of patient procedures and imaging modalities. To ensure safe and effective patient care, key concepts are demonstrated visually and always applied to clinical practice. New to this edition is coverage of the latest post-image manipulation techniques and ASRT Practice Standards. Written by noted radiology educators Ruth Ann Ehrlich and Dawn Coakes, this text emphasizes important skills such as patient assessment, infection control, patient transfer, and bedside radiography. Coverage of patient care and procedural skills help you provide safe, high-quality patient care along with technical proficiency. Step-by-step procedures are shown in photo essays, and are demonstrated with more than 400 full-color illustrations. Information from the American Society of Radiologic Technologists familiarizes you with the organization that guides your profession. Case studies focus on medicolegal terms, standards, and applications, helping you build the problem-solving skills needed to deal with situations you will encounter in the clinical setting Chapter outlines, objectives, key terms, summaries, review questions, and critical thinking exercises focus on the key information in each chapter and help you assess your grasp of the material. Coverage of infection control helps you prevent the spread of diseases. Special Imaging Modalities chapter provides an overview of patient care for a wide range of imaging methods. Answers to the review questions make it easy to check your knowledge. UPDATED practice requirements include ASRT Practice Standards and AHA Patient Care Partnership Standards. NEW contrast products and post-image manipulation techniques include the newest material on Cone beam utilization, MR imaging, image-guided therapy, and kV imaging. NEW images highlight many patient procedures, showing exactly how to care for patients.

Health investigation and treatment have moved from a clinician-centred approach to a patient-centred approach during the past few decades. Patients are now rightly regarded as empowered and informed users of health services, not passive recipients. Motivated by this philosophical shift, this new book identifies the key issues underpinning the complete delivery of 'good' patient care and considers their application in the medical radiation sciences. Taking a UK/European perspective, the authors examine how a holistic approach is related to legislation, human rights and perceived patient needs. Medical imaging and radiotherapy are front line services experienced by vast numbers of patients with acute and chronic medical conditions, including trauma and cancer. The book includes coverage of behavioural science and health psychology together with practical applications such as safe manual handling, infection control and radiation safety. This provides the reader with a comprehensive understanding of what contributes to the patient's experience in diagnostic imaging and radiotherapy. It also considers other aspects of the patient experience, such as inter-professional team working, disability, communication, clinical procedures and practice.

This money saving package includes Mosby: Mosby's Radiography Online: Introduction to Imaging Sciences and Patient Care and Ehrlich: Patient Care in Radiography, 7e.

Enhance your understanding of radiation physics and radiation protection! Corresponding to the chapters in Radiation Protection in Medical Radiography, 7th Edition, by Mary Alice Statkiewicz Sherer, this workbook provides a clear, comprehensive review of all the material included in the text. Practical exercises help you apply your knowledge to the practice setting. It is well written and easy to comprehend". Reviewed by: Kirsten Farrell, University of Portsmouth Date: Nov 2014 A comprehensive review includes coverage of all the material included in the text, including x-radiation interaction, radiation quantities, cell biology, radiation biology, radiation effects, dose limits, patient and personnel protection, and radiation monitoring. Chapter highlights call out the most important information with an introductory paragraph and a bulleted summary. A variety of question formats includes multiple choice, matching, short answer, fill-in-the-blank, true-false, labeling, and crossword puzzles. Calculation exercises offer practice in applying the formulas and equations introduced in the text. Answers are provided in the back of the book so you can easily check your work.

Offering a comprehensive introduction to the profession of radiologic technology, this 2nd Edition also encompasses the basic concepts of patient care skills. This edition's features include a section on chest tubes and lines, updated and expanded information on student pregnancy radiation protection, an expanded history taking guide, the addition of ASRT radiography practice standards and more.

Radiology has been transformed by new imaging advances and a greater demand for imaging, along with a much lower tolerance for error as part of the Quality & Safety revolution in healthcare. With a greater emphasis on patient safety and quality in imaging practice, imaging specialists are increasingly charged with ensuring patient safety and demonstrating that everything done for patients in their care meets the highest quality and safety standards. This book offers practical guidance on understanding, creating, and implementing quality management programs in Radiology. Chapters are comprehensive, detailed, and organized into three sections: Core Concepts, Management Concepts, and Educational & Special Concepts. Discussions are applicable to all practice settings: community hospitals, private practice, academic radiology, and government/military practice, as well as to those preparing for the quality and safety questions on the American Board of Radiology's "Maintenance of Certification" or initial Board Certification Examinations. Bringing together the various elements that comprise the quality and safety agenda for Radiology, this book serves as a thorough roadmap and resource for radiologists, technicians, and radiology managers and administrators.

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