

# Raphex Exam Questions

This is likewise one of the factors by obtaining the soft documents of this **Raphex Exam Questions** by online. You might not require more mature to spend to go to the books commencement as without difficulty as search for them. In some cases, you likewise get not discover the publication Raphex Exam Questions that you are looking for. It will extremely squander the time.

However below, like you visit this web page, it will be as a result unquestionably easy to get as without difficulty as download lead Raphex Exam Questions

It will not understand many epoch as we tell before. You can accomplish it though acquit yourself something else at home and even in your workplace. for that reason easy! So, are you question? Just exercise just what we provide below as well as review **Raphex Exam Questions** what you in the manner of to read!

*Textbook of Electrotherapy* - Jagmohan Singh 2012-01-01

**The Essential Physics of Medical Imaging**, - Jerrold Bushberg 2020-11

**Magnetic Resonance Imaging** - Perry Sprawls 2000

**Study Guide for Radiation Oncology Physics Board Exams** - Brian D. Berman 2000

This is an outline of the fundamentals that every board exam candidate in the field of radiation oncology physics should know. It contains basic principles in the medical physics field and, although it is not a text, it provides a convenient guide for determining what areas may require further study. It covers both general physics and therapeutic radiological physics.

*Nuclear Medicine Physics: The Basics* - Ramesh Chandra 2012-03-07

For decades this classic reference has been the book to review to master the complexities of nuclear-medicine physics. Part of the renowned The Basics series of medical physics books, Nuclear Medicine Physics has become an essential resource for radiology residents and practitioners, nuclear cardiologists, medical physicists, and radiologic technologists. This

thoroughly revised Seventh Edition retains all the features that have made The Basics series a reliable and trusted partner for board review and reference. This handy manual contains key points at the end of each chapter that help to underscore principal concepts. You'll also find review questions at the end of each chapter—with detailed answers at the end of the book—to help you master the material. This edition includes useful appendices that elaborate on specific topics, such as physical characteristics of radionuclides and CGS and SI Units.

*AmGov* - Christine Barbour 2019-02-12  
All the fundamentals. No fluff. Learn more with less! A truly revolutionary American Government textbook, Christine Barbour's *AmGov: Long Story Short*, responds to the needs of today's students and instructors through brevity and accessibility. The succinct ten chapters are separated by tabs that make it easy to skim, flip, revisit, reorient, and return to content quickly. Reading aids like bullets, annotations and arrows walk students through important facts and break up the material in short, engaging bites of information that highlight not only what is important but why it's important. Though brief, this core book is still robust enough to provide everything that students need to be successful in their

American Government course. Whether for the on-the-go student who doesn't have time to read and digest a lengthy chapter, or the instructor who wants a book that will stay out of their way and leave room for plenty of supplementary reading and activities, AmGov provides a perfectly simplified foundation for a successful American Government course.

**Health Effects of Exposure to Low Levels of Ionizing Radiation** - National Research Council 1990-02-01

This book reevaluates the health risks of ionizing radiation in light of data that have become available since the 1980 report on this subject was published. The data include new, much more reliable dose estimates for the A-bomb survivors, the results of an additional 14 years of follow-up of the survivors for cancer mortality, recent results of follow-up studies of persons irradiated for medical purposes, and results of relevant experiments with laboratory animals and cultured cells. It analyzes the data in terms of risk estimates for specific organs in relation to dose and time after exposure, and compares radiation effects between Japanese and Western populations.

[FRCR Part 1: Cases for the anatomy viewing paper](#) - James D. Thomas 2011-10-20

Exclusively focused on preparing candidates for the FRCR Part 1 anatomy viewing paper, this book enables them to practice questions that have the look and feel of the actual exam. Containing eight practice examinations, each with 20 cases which have been thoroughly reviewed and tested by radiology registrars who have sat the exam, the questions are at increasing levels of difficulty. Screenshots from Osirix and advice on how to approach the exam familiarize candidates with its format. Each exam in the book contains a wide selection of images with all body parts and modalities equally represented to thoroughly test candidates interpretation skills. The 160 images cover all major plain films, CT, MRI, barium studies and other contrast examinations, as well as some of the newer techniques, based on the examples

published online by the Royal College of Radiologists.

*Raphex 2021 Therapy Exam and Answers* - Radiological and Medical Physics Society of New York 2021-04-15

Published in cooperation with the Radiological and Medical Physics Society of New York (RAMPS), the Therapy Exam has 140 questions. General questions are incorporated into each version. A separate answer booklet for the exam is included which provides explanations for the correct answer. These booklets are a useful advance study guide or practice test for the 2020 ABR Core Exams. The Raphex 2021 Therapy Exam includes topics in IMRT, VMAT, IGRT, SBRT, plus other technologies. Traditional topics in previous exams are still covered. The exam matches ASTRO's current physics curriculum guidelines for resident instruction.

*Physics of the Body* - JOHN R. SKOFRONICK CAMERON (JAMES G. GRANT, RODERICK M.) 2017-11-30

*Physics of the Body* provides a wealth of information on the relationship between physics and the functions of the various systems of the body, such as the eyes, ears, lungs, and heart. The authors' enthusiasm and good humor have delighted readers for years. Although it was written primarily as a text for students who have some knowledge of elementary physics, the book is interesting and understandable to any person who is curious about how the body works. This book is intended primarily for students who plan to make a career in some field of medicine. The mathematics is at the algebra level. Various problems are included to test the reader's understanding of the concepts presented. This revised edition features an updated page layout and sharpened images.

*Physics in Nuclear Medicine* - Simon R. Cherry 2012-04-12

*Physics in Nuclear Medicine* - by Drs. Simon R. Cherry, James A. Sorenson, and Michael E. Phelps - provides current, comprehensive guidance on the physics underlying modern nuclear medicine and imaging using radioactively labeled tracers.

This revised and updated fourth edition features a new full-color layout, as well as the latest information on instrumentation and technology. Stay current on crucial developments in hybrid imaging (PET/CT and SPECT/CT), and small animal imaging, and benefit from the new section on tracer kinetic modeling in neuroreceptor imaging. What's more, you can reinforce your understanding with graphical animations online at [www.expertconsult.com](http://www.expertconsult.com), along with the fully searchable text and calculation tools. Master the physics of nuclear medicine with thorough explanations of analytic equations and illustrative graphs to make them accessible. Discover the technologies used in state-of-the-art nuclear medicine imaging systems Fully grasp the process of emission computed tomography with advanced mathematical concepts presented in the appendices. Utilize the extensive data in the day-to-day practice of nuclear medicine practice and research. Tap into the expertise of Dr. Simon Cherry, who contributes his cutting-edge knowledge in nuclear medicine instrumentation. Stay current on the latest developments in nuclear medicine technology and methods New sections to learn about hybrid imaging (PET/CT and SPECT/CT) and small animal imaging. View graphical animations online at [www.expertconsult.com](http://www.expertconsult.com), where you can also access the fully searchable text and calculation tools. Get a better view of images and line art and find information more easily thanks to a brand-new, full-color layout. The perfect reference or textbook to comprehensively review physics principles in nuclear medicine.

### **Questions & Answers in Magnetic**

#### **Resonance Imaging** - Allen D. Elster 2001

The popular QUESTIONS AND ANSWERS IN MAGNETIC RESONANCE IMAGING is thoroughly revised and updated to reflect the latest advances in MRI technology. Four new chapters explain recent developments in the field in the traditional question and short answer format. This clear, concise and informative text discusses hundreds of the most common questions about MRI, as

well as some challenging questions for seasoned MRI specialists. Covers the technical aspects of MRI, including physical principles, hardware, image production, artifacts, contrast agents, techniques, echo imaging, biological effects and safety, flow phenomena and angiography. Explains and reinforces the basic understanding of magnetic resonance physics. Includes material that is highly practical and immediately applicable to clinical MRI. Thoroughly revised and updated to reflect the latest advances in MRI technology. A 30 percent increase in content provides increased coverage of key topics. Includes four new chapters: MR Spectroscopy, Functional MRI, Diffusion/Perfusion Imaging, Echo-Planar Imaging, and an appendix on Sedation.

*The Physics of Radiotherapy X-rays from Linear Accelerators* - Peter Metcalfe  
1997-01-01

#### **Basic Clinical Radiobiology** - Michael C. Joiner 2018-08-28

Basic Clinical Radiobiology is a concise but comprehensive textbook setting out the essentials of the science and clinical application of radiobiology for those seeking accreditation in radiation oncology, clinical radiation physics, and radiation technology. Fully revised and updated to keep abreast of current developments in radiation biology and radiation oncology, this fifth edition continues to present in an interesting way the biological basis of radiation therapy, discussing the basic principles and significant developments that underlie the latest attempts to improve the radiotherapeutic management of cancer. This new edition is highly illustrated with attractive 2-colour presentation and now includes new chapters on stem cells, tissue response and the convergence of radiotherapy, radiobiology, and physics. It will be invaluable for FRCR (clinical oncology) and equivalent candidates, SpRs (and equivalent) in radiation oncology, practicing radiation oncologists and radiotherapists, as well as radiobiologists

and radiotherapy physicists.

*The Physics and Technology of Radiation Therapy* - PATRICK. ORTON MCDERMOTT (COLIN.) 2018-11-05

Introducing the 2nd edition of our highly respected radiation therapy textbook. It covers the field of radiation physics with a perfect mix of depth, insight, and humor. The 2nd edition has been guided by the 2018 ASTRO core curriculum for radiation oncology residents. Novice physicists will find the book useful when studying for board exams, with helpful chapter summaries, appendices, and extra end-of-chapter problems and questions. It features new material on digital x-ray imaging, neutron survey meters, flattening-filter free and x-band linacs, biological dose indices, electronic brachytherapy, OSLD, Cerenkov radiation, FMEA, total body irradiation, and more. Also included: Updated graphics in full color for increased understanding. Appendices on board certifications in radiation therapy for ABR, AART, and Medical Dosimetrist Certification Board. Dosimetry Data. A full index

Hdbk Med Physics - Robert G. Waggener 1982

*Essentials of Clinical Radiation Oncology* - Matthew C. Ward, MD 2017-12-28

Essentials of Clinical Radiation Oncology is a comprehensive, user-friendly clinical review that summarizes up-to-date cancer care in an easy-to-read format. Each chapter is structured for straightforward navigability and information retention beginning with a "quick-hit" summary that contains an overview of each disease, its natural history, and general treatment options. Following each "quick-hit" are high-yield summaries covering epidemiology, risk factors, anatomy, pathology, genetics, screening, clinical presentation, workup, prognostic factors, staging, treatment paradigms, and medical management for each malignancy. Each treatment paradigm section describes the current standard of care for radiation therapy including indications, dose

constraints, and side effects. Chapters conclude with an evidence-based question and answer section which summarizes practice-changing data to answer key information associated with radiation treatment outcomes. Flow diagrams and tables consolidate information throughout the book that all radiation oncologists and related practitioners will find extremely useful when approaching treatment planning and clinical care. Essentials of Clinical Radiation Oncology has been designed to replicate a "house manual" created and used by residents in training and is a "one-stop" resource for practicing radiation oncologists, related practitioners, and radiation oncology residents entering the field. Key Features: Offers digestible information as a learning guide for general practice Examines essential clinical questions which are answered with evidence-based data from important clinical studies Places clinical trials and data into historical context and points out relevance in current practice Provides quick reference tables on treatment options and patient selection, workup, and prognostic factors by disease site

*Physics for Clinical Oncology* - Amen Sibtain 2022-11-24

Radiotherapy remains a major non-surgical treatment modality for malignant disease, and an understanding of how this treatment works is essential in ensuring optimum practice. Trainees in oncology learn about ionising radiation, but to understand it fully they must also understand the physics relevant to its use in therapy. This book is written specifically for the oncology and radiation team, supporting clinical oncologists in their understanding of the science which underpins radiotherapy. It begins with basic concepts and then explores the principles and practice of physics as it relates to radiotherapy, including discussion of specific types of therapy. Written by authors chosen for their expertise in their respective fields, and aligned to the Royal College of Radiologists FRCR Curriculum in Oncology, this volume will provide an excellent source of



information for trainee and practicing oncologists, and wider radiotherapy teams. This second edition has been fully updated to reflect advances in technology and the increased complexity in modern radiotherapy, including two new chapters on imaging and a new brachytherapy chapter.

Clinical Dosimetry Measurements in Radiotherapy (2009 AAPM Summer School)

- American Association of Physicists in Medicine. Summer School 2009

While radiation dosimetry is no longer the 'hot topic' of research that it once was, new treatment modalities still have challenges to be solved and detector systems are constantly being developed. But as a relatively mature subject, there is no widely used current book devoted to clinical dosimetry. A primary purpose of producing this Summer School was to create such a text to help in the education of clinical physicists who had not had access to the forefront research into understanding radiation dosimetry. Making sure the dose delivered to the patient is what it should be is one of the most important jobs medical physicists have. There are many aspects to doing this, but at the core, the radiation must be accurately measured. One of the original major tasks of the AAPM was to establish methods which its members could use to reliably carry out this task, and it has been highly successful. There have been clinical dosimetry protocols and formalisms for brachytherapy dosimetry developed, calibration laboratories accredited, and a myriad of task group reports produced on different dosimetry techniques and delivery modalities

Vascular and Interventional Radiology: A Core Review - Brian Strife 2019-03-19

Designed specifically for the Core Exam, Vascular and Interventional Radiology : A Core Review covers all key aspects of the field, mimicking the image-rich, multiple-choice format of the actual test. Ideal for residents preparing for the Core Examination, as well as practitioners taking recertification exams, this unique review

follows the structure and content of what you'll encounter on the test, effectively preparing you for Core Exam success!  
*Practical Radiotherapy Planning Fourth Edition* - Ann Barrett 2009-06-26

Planning is a critical stage of radiotherapy. Careful consideration of the complex variables involved and critical assessment of the techniques available are fundamental to good and effective practice. First published in 1985, Practical Radiotherapy Planning has, over three editions, established itself as the popular choice for the trainee radiation oncologist and radiographer, providing the 'nuts and bolts' of planning in a practical and accessible manner. This fourth edition encompasses a wealth of new material, reflecting the radical change in the practice of radiotherapy in recent years. The information contained within the introductory chapters has been expanded and brought up to date, and a new chapter on patient management has been added. CT stimulators, MLC shieldings and dose profiles, principles of IMRT, and use of MRI, PET and ultrasound are all included, amongst other new developments in this field. The aim of the book remains unchanged. Complexity of treatment planning has increased greatly, but the fourth edition continues to emphasise underlying principles of treatment that can be applied for conventional, conformal and novel treatments, taking into account advances in imaging and treatment delivery.

Radiobiology Self-Assessment Guide - Jennifer Yu, MD, PhD 2016-11-03

Radiobiology Self-Assessment Guide--a companion to the Radiation Oncology Self-Assessment Guide and Physics in Radiation Oncology Self-Assessment Guide--is a comprehensive review for practitioners of radiation oncology looking to enhance their knowledge of radiobiology. It covers in depth the principles of radiobiology as applied to radiation oncology along with their clinical applications. To foster retention of key concepts and data, the resource utilizes a user-friendly "flash card"

question and answer format with over 700 questions. The questions are supported by detailed answers and rationales along with reference citations for source information. The guide is comprised of 29 chapters and cover topics commonly found on the radiation and cancer biology portion of the radiation oncology board examination. Aspects of basic radiobiology covered include fundamentals such as cell cycle, cell survival curves and interactions of radiation with matter, and acute and long-term sequelae of radiation. Modern concepts such as immunotherapy, radiogenomics, and normal and cancer stem cells are also included. Focused and authoritative, this must-have review provides the expertise of faculty from the Department of Radiation Oncology at the Cleveland Clinic Taussig Cancer Institute and Lerner Research Institute. Key Features: Provides a comprehensive study guide for the Radiation and Cancer Biology portion to the Radiation Oncology Board Exam Includes more than 700 questions with detailed answers and rationales on flip pages for easy, flash card-like review Includes essential review of cancer biology concepts such as immunotherapy, stem cells, gene therapy, chemotherapy and targeted agents Content provided by a vast array of contributors, including attending radiation oncology physicians, physicists, and radiation oncology residents

**Medical Imaging Signals and Systems -**  
Jerry L. Prince 2014

Covers the most important imaging modalities in radiology: projection radiography, x-ray computed tomography, nuclear medicine, ultrasound imaging, and magnetic resonance imaging. Organized into parts to emphasize key overall conceptual divisions.

**Physics MCQs for the Part 1 FRCR -**  
Shahzad Ilyas 2011-05-12

Physics MCQs for the Part 1 FRCR is a comprehensive and practical revision tool for the new format Part 1 FRCR examination, covering the complete physics curriculum. Key features: • Contains 300 questions that reflect the style and

difficulty of the real exam • Covers basic physics, radiation legislation and all the imaging modalities included in the Royal College of Radiologists training curriculum and new FRCR examination • Includes new exam topics such as MRI and ultrasound imaging • Answers are accompanied by clear, detailed explanations giving candidates in-depth understanding of the topic • Much of the question material is based on the Radiology-Integrated Training Initiative (RITI), as recommended by the Royal College of Radiologists A must-have revision resource for all Part 1 FRCR candidates, Physics MCQs for the Part 1 FRCR is written by a team of specialist registrars who have recently successfully passed the Part 1 FRCR exam and a renowned medical physicist.

[FRCR Physics Notes](#) - Christopher Clarke  
2020-11-13

Comprehensive medical imaging physics notes aimed at those sitting the first FRCR physics exam in the UK and covering the scope of the Royal College of Radiologists syllabus. Written by Radiologists, the notes are concise and clearly organised with 100's of beautiful diagrams to aid understanding. The notes cover all of radiology physics, including basic science, x-ray imaging, CT, ultrasound, MRI, molecular imaging, and radiation dosimetry, protection and legislation. Although aimed at UK radiology trainees, it is also suitable for international residents taking similar examinations, postgraduate medical physics students and radiographers. The notes provide an excellent overview for anyone interested in the physics of radiology or just refreshing their knowledge. This third edition includes updates to reflect new legislation and many new illustrations, added sections, and removal of content no longer relevant to the FRCR physics exam. This edition has gone through strict critique and evaluation by physicists and other specialists to provide an accurate, understandable and up-to-date resource. The book summarises and pulls together content from the FRCR Physics Notes at Radiology Cafe and delivers it as a

paperback or eBook for you to keep and read anytime. There are 7 main chapters, which are further subdivided into 60 sub-chapters so topics are easy to find. There is a comprehensive appendix and index at the back of the book.

*Fundamentals of Ionizing Radiation*

*Dosimetry* - Pedro Andreo 2017-06-14

Fördert nachhaltig das Verständnis von Konzepten zur Strahlendosimetrie: ausführliche Lösungen zu den Übungen im Lehrbuch "Fundamentals of Ionizing Radiation Dosimetry".

*Nationwide Evaluation of X-ray Trends* -

Nationwide Evaluation of X-ray Trends Task Force 1976

**Radiation Oncology Study Guide** - Celine Bicquart Ord 2013-12-21

Radiation Oncology Study Guide is a comprehensive study aid for radiation oncology residents preparing for the American Board of Radiology Radiation Oncology Initial Certification board exam. Presenting the fundamental principles of radiation oncology, the book covers the most salient and commonly tested facts on the exam. Organized by specific disease sites, each chapter presents a series of questions and answers that present clinical features, staging, principles of treatment, and evidence-based studies that guide treatment recommendations, with an emphasis on radiotherapy studies. The book offers over 1,000 multiple-choice questions with detailed answers and rationales.

*Khan's the Physics of Radiation Therapy* -

Faiz M. Khan 2014

This classic full-color text helps the entire radiation therapy team--radiation oncologists, medical physicists, dosimetrists, and radiation therapists develop a thorough understanding of 3D conformal radiotherapy (3D-CRT), stereotactic radiosurgery (SRS), high dose-rate remote afterloaders (HDR), intensity modulated radiation therapy (IMRT), image-guided radiation therapy (IGRT), Volumetric Modulated Arc Therapy (VMAT), and proton beam therapy, as well as the physical

concepts underlying treatment planning, treatment delivery, and dosimetry.

**Review of Radiologic Physics** - Walter Huda 2016-01-20

Now revised to reflect the new, clinically-focused certification exams, Review of Radiological Physics, Fourth Edition, offers a complete review for radiology residents and radiologic technologists preparing for certification. . This new edition covers x-ray production and interactions, projection and tomographic imaging, image quality, radiobiology, radiation protection, nuclear medicine, ultrasound, and magnetic resonance - all of the important physics information you need to understand the factors that improve or degrade image quality. Each chapter is followed by 20 questions for immediate self-assessment, and two end-of-book practice exams, each with 100 additional questions, offer a comprehensive review of the full range of topics.

*Radiation Oncology Physics* - International Atomic Energy Agency 2005

This publication is aimed at students and teachers involved in teaching programmes in field of medical radiation physics, and it covers the basic medical physics knowledge required in the form of a syllabus for modern radiation oncology. The information will be useful to those preparing for professional certification exams in radiation oncology, medical physics, dosimetry or radiotherapy technology.

**Basic Radiotherapy Physics and Biology** - David S. Chang 2014-09-19

This book is a concise and well-illustrated review of the physics and biology of radiation therapy intended for radiation oncology residents, radiation therapists, dosimetrists, and physicists. It presents topics that are included on the Radiation Therapy Physics and Biology examinations and is designed with the intent of presenting information in an easily digestible format with maximum retention in mind. The inclusion of mnemonics, rules of thumb, and reader-friendly illustrations throughout the book help to make difficult concepts easier to grasp. Basic

Radiotherapy Physics and Biology is a valuable reference for students and prospective students in every discipline of radiation oncology.

**Primer on Radiation Oncology Physics** - Eric Ford 2020-05-04

Gain mastery over the fundamentals of radiation oncology physics! This package gives you over 60 tutorial videos (each 15-20 minutes in length) with a companion text, providing the most complete and effective introduction available. Dr. Ford has tested this approach in formal instruction for years with outstanding results. The text includes extensive problem sets for each chapter. The videos include embedded quizzes and "whiteboard" screen technology to facilitate comprehension. Together, this provides a valuable learning tool both for training purposes and as a refresher for those in practice. Key Features A complete learning package for radiation oncology physics, including a full series of video tutorials with an associated textbook companion website Clearly drawn, simple illustrations throughout the videos and text Embedded quiz feature in the video tutorials for testing comprehension while viewing Each chapter includes problem sets (solutions available to educators)

**Applied Physics for Radiation Oncology** - Robert Stanton 1996

*Medical Dosimetry Certification Study Guide, Second Edition* - Govinda Rajan 2015-10-01

**Ultrasound Physics Review** - Cindy Owen 2009

Looking for guidance and a clear understanding of the principles and facts on which you will be tested? Here is the new SPI edition of the single bestselling mock exam devoted to the ARDMS exam in ultrasound physics. Written by an internationally renowned sonographer who not only loves ultrasound physics but delights in -- and excels at -- explaining it to others, "Ultrasound Physics Review" hones your test-taking skills, measures your

progress as you study, and reveals your strengths and weaknesses topic by topic. Contains 600 complex registry-style questions that cover and follow the new ARDMS Sonography Principles and Instrumentation (SPI) outline, 65 image-based questions, and simple, clear explanations with current references for further study. Coverage includes patient care, safety, and communication, physical principles, ultrasound transducers, pulse-echo instrumentation, Doppler instrumentation and hemodynamics, and quality assurance/quality control of equipment -- all in the same proportion as in the exam itself. -- From publisher's description.

**The Modern Technology of Radiation Oncology** - Jake Van Dyk 1999

Details technology associated with radiation oncology, emphasizing design of all equipment allied with radiation treatment. Describes procedures required to implement equipment in clinical service, covering needs assessment, purchase, acceptance, and commissioning, and explains quality assurance issues. Also addresses less common and evolving technologies. For medical physicists and radiation oncologists, as well as radiation therapists, dosimetrists, and engineering technologists. Includes bandw medical images and photos of equipment. Paper edition (unseen), \$145.95. Annotation copyrighted by Book News, Inc., Portland, OR

*Anatomy in Diagnostic Imaging* - Peter Fleckenstein 2014-07-25

Now in its third edition, *Anatomy in Diagnostic Imaging* is an unrivalled atlas of anatomy applied to diagnostic imaging. The book covers the entire human body and employs all the imaging modalities used in clinical practice; x-ray, CT, MR, PET, ultrasound and scintigraphy. An introductory chapter explains succinctly the essentials of the imaging and examination techniques drawing on the latest technical developments. In view of the great strides that have been made in this area recently, all chapters have been thoroughly revised



in this third edition. The book's original and didactically convincing presentation has been enhanced with over 250 new images. There are now more than 900 images, all carefully selected in order to be user-friendly and easy-to-read, due to their high quality and the comprehensive anatomical interpretation directly placed alongside every one. Both for medical students and practising doctors, *Anatomy in Diagnostic Imaging* will serve as the go-to all-round reference collection linking anatomy and modern diagnostic imaging. Winner of the Radiology category at the BMA Book Awards 2015

**Radiation Therapy Planning** - Gunilla C. Bentel 1996

This expanded edition includes new coverage of treatment preparation, 3-D treatment planning, dosimetry, the latest equipment, documentation and quality

assurance. Treatment simulation and treatment planning guidelines are provided by body region (head and neck, thorax, pelvis, etc) for easy access to material in the clinical setting.

PET - Michael E. Phelps 2006-12-30

This book is designed to give the reader a solid understanding of the physics and instrumentation aspects of PET, including how PET data are collected and formed into an image. Topics include basic physics, detector technology used in modern PET scanners, data acquisition, and 3D reconstruction. A variety of modern PET imaging systems are also discussed, including those designed for clinical services and research, as well as small-animal imaging. Methods for evaluating the performance of these systems are also outlined. The book will interest nuclear medicine students, nuclear medicine physicians, and technologists.