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What Every Woman Wants in a Man/What Every Man Wants in a Woman - John Hagee 2015-02-03

Opposites Attract...and can thrive in a marriage built on God. The book starts with the results of a survey detailing the ten most important qualities that each man or woman wants in a spouse, then teaches us how we can be the person who breeds that quality in our husband or wife. Throughout the book the authors use their own personalities and experience with marriage to demonstrate how to do marriage right.

Cardiovascular and Neurovascular Imaging - Carlo Cavedon 2015-08-22

Cardiovascular and Neurovascular Imaging: Physics and Technology explains the underlying physical and technical principles behind a range of cardiovascular and neurovascular imaging modalities, including radiography, nuclear medicine, ultrasound, and magnetic resonance imaging (MRI). Examining this interdisciplinary branch of medical imaging from a

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.

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.

Treatment Planning in Radiation Oncology - Faiz M. Khan 2007

Completely updated for its Second Edition, this text is a comprehensive guide to state-of-the-art treatment planning techniques in radiation oncology. The book provides the treatment planning team—radiation oncologists, medical physicists, and medical dosimetrists—with detailed information on both the physics of radiation treatment planning and the clinical aspects of radiotherapy for specific cancers. More than 600 illustrations provide practical examples of the methodologies. Brand-new chapters in this edition cover image-guided radiation therapy, high dose rate brachytherapy, and brachytherapy treatment planning algorithms. The chapters have been completely updated, particularly in areas including intensity-modulated radiation therapy and brachytherapy.

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.

Principles and Practice of Proton Beam Therapy, AAPM Monograph - Indra J. Das 2015-06-22

Radiation Therapy Physics - William R. Hendee 2013-05-13

The Third Edition of Radiation Therapy Physics addresses in concise fashion the fundamental diagnostic radiologic physics principles as well as their clinical implications. Along with coverage of the concepts and applications for the radiation treatment of cancer patients, the authors have included reviews of the most up-to-date instrumentation and critical historical links. The text includes coverage of imaging in therapy planning and surveillance, calibration protocols, and precision radiation therapy, as well as discussion of relevant regulation and compliance activities. It contains an updated and expanded section on computer applications in radiation therapy and electron beam therapy, and features enhanced user-friendliness and visual appeal with a new, easy-to-follow format, including sidebars and a larger trim size. With its user-friendly presentation and broad, comprehensive coverage of radiotherapy physics, this Third Edition doubles as a medical text and handy professional reference.

Radiotherapy Physics - Jerry Williams 2000-03-23

The book is a comprehensive practical introduction to radiotherapy physics. It provides detailed descriptions of current techniques, written by experienced practitioners, who review current methods and provide specific detailed practical guidance for external beam radiotherapy, and for the therapeutic use of sealed and unsealed radioactive sources.

Physics of Radiology - Anthony B. Wolbarst 1993

Althusser and Law - Laurent de Sutter 2013-03-05

Althusser and Law is the first book specifically dedicated to the place of law in Louis Althusser's philosophy. The growing importance of Althusser's philosophy in contemporary debates on the left has - for practical and political, as well theoretical reasons - made a sustained consideration of his conception of law more necessary than ever. As a form of what Althusser called 'Ideological State Apparatuses', law is at the forefront of political struggles: from the destruction of Labour Law to the exploitation of Patent Law; from the privatisation of Public Law to the ongoing hegemony of Commercial Law; and from the discourse on Human Rights to the practice of judicial courts. Is Althusser still useful in helping us to understand these struggles? Does he have something to teach us about how law is produced, and how it is used and misused? This collection demonstrates that Althusser's ideas about law are more important, and more contemporary, than ever. Indeed, the contributors to Althusser and Law argue that Althusser offers a new and invaluable perspective on the place of law in contemporary life.

The Essential Physics of Medical Imaging - Jerold T. Bushberg 2020-11-24

Widely regarded as the cornerstone text in the field, the successful series of editions continues to follow the tradition of a clear and comprehensive presentation of the physical principles and operational aspects of medical imaging. The Essential Physics of Medical Imaging, 4th Edition, is a coherent and thorough compendium of the fundamental principles of the physics, radiation protection, and radiation biology that underlie the practice and profession of medical imaging. Distinguished scientists and educators from the University of California, Davis, provide up-to-date, readable information on the production, characteristics, and interactions of non-ionizing and ionizing radiation, magnetic fields and ultrasound used in medical imaging and the imaging modalities in which they are used, including radiography, mammography, fluoroscopy, computed tomography, magnetic resonance, ultrasound, and nuclear medicine. This

vibrant, full-color text is enhanced by more than 1,000 images, charts, and graphs, including hundreds of new illustrations. This text is a must-have resource for medical imaging professionals, radiology residents who are preparing for Core Exams, and teachers and students in medical physics and biomedical engineering.

Magnetic Resonance Imaging - Perry Sprawls 2000-01-01

Basic Radiological Physics - Thayalan Kuppusamy 2017-07-17

This new edition has been fully revised to provide radiologists with the latest advances in radiological physics. Divided into six sections, the book begins with an overview of general physics, followed by a section on radiation physics. The remaining chapters cover physics of diagnostic radiology, physics of nuclear medicine, physics of radiation therapy, and radiological health and safety. The second edition features many new topics, recent advances and detailed explanations of complicated concepts. The comprehensive text is further enhanced by nearly 350 radiological images, diagrams and tables. Key points Fully revised new edition providing latest advances in radiological physics Second edition features new topics, recent advances and explanations of complicated concepts Highly illustrated with nearly 350 radiological images, diagrams and tables Previous edition (9788171798544) published in 2001

RT X-ray Physics Review - Walter Huda 2011

Designed to help the x-ray technologist prepare for the Physics component of the American Registry of Radiologic Technologists (ARRT) examination. This book only addresses 60% of the AART examination that is directly related to Physics, the material that gives most students the greatest difficulty. Key aspects of RT X-Ray Physics Review are: Comprehensive Content: Identifies the important Physics facts that all students need to know to pass the Radiation Protection, Equipment Operation & Quality Control, Image Production & Evaluation sections' component of the AART examination. Organization: Presents the material in 15 chapters subdivided into four or five major topics to facilitate reading and understanding, with explanatory tables and figures in each topic. Questions: Includes 450 questions, 30 pertaining to each of 15 chapters, and two comprehensive tests of 100 questions each at the end of the book. Answers provided. Appendixes: Useful tables of radiologic quantities and units. Comprehensive Radiological Physics bibliography.

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.

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

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

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

Fundamentals of Ionizing Radiation Dosimetry - Pedro Andreo 2017-06-14

Fosters a thorough understand of radiation dosimetry concepts: detailed solutions to the exercises in the textbook "Fundamentals of Ionizing Radiation Dosimetry"!

Grid Systems - Kimberly Elam 2014-04-15

Although grid systems are the foundation for almost all typographic design, they are often associated with rigid, formulaic solutions. However, the belief that all great design is nonetheless based on grid systems (even if only subverted ones) suggests that few designers truly understand the complexities and potential riches of grid composition.

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.

Reference Data - Chartered Institution of Building Services Engineers 2001

Guide C: Reference Data contains the basic physical data and calculations which form the crucial part of building services engineer background reference material. Expanded and updated throughout, the book contains sections on the properties of humid air, water and steam, on heat transfer, the flow of fluids in pipes and ducts, and fuels and combustion, ending with a comprehensive section on units, mathematical and miscellaneous data. There are extensive and easy-to-follow tables and graphs. Essential reference tool for all professional building services engineers Easy to follow tables and graphs make the data accessible for all professionals Provides you with all the necessary data to make informed decisions

Shielding Techniques for Radiation Oncology Facilities - Patton H. McGinley 1998-01-01

Provides an update of shielding methods for radiation-producing devices found in a modern radiation oncology department, since the current guidelines were issued more than 20 years ago. Covers the history of X-ray room shielding, conventional shield design, photoneutrons, mazes and doors for high-energy rooms, metal and concrete shields, simulator, HDR, and brachytherapy rooms. Also includes a chapter on special topics from radiation skyshine and ozone production to air activation and alternate shielding materials. Annotation copyrighted by Book News, Inc., Portland, OR

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.

A Primer on Theory and Operation of Linear Accelerators in Radiation Therapy - C. J. Karzmark 2018-02-28

By the mid-1950s, a linear accelerator suitable for treating deep-seated tumors was built in the Stanford Microwave Laboratory and installed at Stanford Hospital. It served as a prototype for commercial units that were built later. Since that time, medical linear accelerators gained in popularity as major radiation therapy devices, but few basic training materials on their operation had been produced for use by medical

professionals. C.J. Karzmark, a radiological physicist at Stanford University, was involved with medical linacs since their development, and he agreed to collaborate with Robert Morton of the Center for Devices and Radiological Health (formerly the Bureau of Radiological Health), U.S. Food and Drug Administration, in writing the first edition of this primer.

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, 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, 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.

Practical Radiation Oncology Physics - Sonja Dieterich 2015-08-21

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.

Khan's The Physics of Radiation Therapy - Faiz M. Khan 2014-04-03

Expand your understanding of the physics and practical clinical applications of advanced radiation therapy technologies with Khan's The Physics of Radiation Therapy, 5th edition, the book that set the standard in the field. 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. In preparing this new Fifth Edition, Dr. Kahn and new co-author Dr. John Gibbons made chapter-by-chapter revisions in the light of the latest developments in the field, adding new discussions, a new chapter, and new color illustrations throughout. Now even more precise and relevant, this edition is ideal as a reference book for practitioners, a

textbook for students, and a constant companion for those preparing for their board exams. Features Stay on top of the latest advances in the field with new sections and/or discussions of Image Guided Radiation Therapy (IGRT), Volumetric Modulated Arc Therapy (VMAT), and the Failure Mode Event Analysis (FMEA) approach to quality assurance. Deepen your knowledge of Stereotactic Body Radiotherapy (SBRT) through a completely new chapter that covers SBRT in greater detail. Expand your visual understanding with new full color illustrations that reflect current practice and depict new procedures. Access the authoritative information you need fast through the new companion website which features fully searchable text and an image bank for greater convenience in studying and teaching. This is the tablet version which does not include access to the supplemental content mentioned in the text.

Medical Imaging - Anthony B. Wolbarst 2013-04-02

"An excellent primer on medical imaging for all members of the medical profession . . . including non-radiological specialists. It is technically solid and filled with diagrams and clinical images illustrating important points, but it is also easily readable . . . So many outstanding chapters . . . The book uses little mathematics beyond simple algebra [and] presents complex ideas in very understandable terms." —Melvin E. Clouse, MD, Vice Chairman Emeritus, Department of Radiology, Beth Israel Deaconess Medical Center and Deaconess Professor of Radiology, Harvard Medical School A well-known medical physicist and author, an interventional radiologist, and an emergency room physician with no special training in radiology have collaborated to write, in the language familiar to physicians, an introduction to the technology and clinical applications of medical imaging. It is intentionally brief and not overly detailed, intended to help clinicians with very little free time rapidly gain enough command of the critically important imaging tools of their trade to be able to discuss them confidently with medical and technical colleagues; to explain the general ideas accurately to students, nurses, and technologists; and to describe them effectively to concerned patients and loved ones. Chapter coverage includes: Introduction: Dr. Doe's Headaches Sketches of the Standard Imaging Modalities Image Quality and Dose Creating Subject Contrast in the Primary X-Ray Image Twentieth-Century (Analog) Radiography and Fluoroscopy Radiation Dose and Radiogenic Cancer Risk Twenty-First-Century (Digital) Imaging Digital Planar Imaging Computed Tomography Nuclear Medicine (Including SPECT and PET) Diagnostic Ultrasound (Including Doppler) MRI in One Dimension and with No Relaxation Mapping T1 and T2 Proton Spin Relaxation in 3D Evolving and Experimental Modalities

Medical Imaging Physics - William R. Hendee 2002

This comprehensive publication covers all aspects of image formation in modern medical imaging modalities, from radiography, fluoroscopy, and computed tomography, to magnetic resonance imaging and ultrasound. It addresses the techniques and instrumentation used in the rapidly changing field of medical imaging. Now in its fourth edition, this text provides the reader with the tools necessary to be comfortable with the physical principles, equipment, and procedures used in diagnostic imaging, as well as appreciate the capabilities and limitations of the technologies.

Chart Patterns : Trading-Desk Booklet - Satish Gaire 2020-12

Chart Patterns booklet is designed to be your quick source for identifying chart patterns to help you trade more confidently. This book introduces & explains 60+ patterns that you are bound to see in Stocks, Mutual Funds, ETFs, Forex, and Options Trading. With this book, you will not need to flip through hundreds of pages to identify patterns. This book will improve the way you trade. Unlike other Technical Analysis books, this Chart pattern book will help you master Charting & Technical Analysis by making it simple enough to understand & use on a day to day basis.

Advanced in Medical Physics - Devon J. Godfrey 2014-07

Advances in Medical Physics (AMP) is designed to help medical physicists and technically-inclined physicians stay current in medical radiation science and technology, especially in sub-fields of medical physics other than their own. AMP 2014 contains an expanded focus on radiation oncology topics, including the new GammaPod 60Co device for breast radiosurgery, the allure of targeted dose enhancement via gold nanoparticles, strategies and devices for respiratory motion management, proton therapy fundamentals, and novel high resolution 3D dosimeters for the verification of complex treatment plans. Additional chapters highlight the role of the ICRP and IAEA in medicine; a review of currently available passive dosimeters; novel x-ray photonics and phase contrast imaging technologies; state-of-the-art PET and cardiac SPECT

implementations; the fundamentals of parallel MRI, and advanced MRI sequences; and the first part of a suggested road map for teaching MRI to medical physics and engineering students. This is our first book printed in full color!

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

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

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.

When We Have Wings - Claire Corbett 2011-08-02

In a world divided into fliers and non - fliers, how far would you go to be able to fly? How much would you sacrifice - your own child'...

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.

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