

Bookmark File PDF Handbook
Of Evidence Based Radiation
Oncology Second Edition

***Handbook Of
Evidence Based
Radiation Oncology
Second Edition***

Bookmark File PDF Handbook
Of Evidence Based Radiation
Oncology Second Edition

**The Third Edition of Handbook of
Evidence-Based Radiation
Oncology updates and revises
the previous successful editions
and serves as a key reference for
radiation oncology
professionals. Organized by**

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body site, concise clinical chapters provide easy access to critical information. Important "pearls" of epidemiology, anatomy, pathology, and clinical presentation are highlighted. The key elements of the work-up are

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listed, followed by staging and/or risk classification systems. Treatment recommendations are discussed based on stage, histology, and/or risk classification. Brief summaries of key trials and studies provide

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**the rationale for the
recommendations. Practical
guidelines for radiation
techniques are described and
complications and follow-up
guidelines are outlined. The
Third Edition incorporates new**

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key studies and trials to reflect current radiation oncology practice; includes the most recent staging systems; and features new color illustrations and anatomic atlases to aid in treatment planning. This book is

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**a valuable resource for students,
resident physicians, fellows, and
other practitioners of radiation
oncology.**

**This portable reference bases
practical treatment
recommendations and guidelines**

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on evidence-based medicine.

The concise clinical chapters are organized by body site for easy access to critical information, highlighting "pearls" of epidemiology, anatomy, pathology, and clinical

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presentation. Key facets of the work-up are listed, followed by staging and risk classification systems. Discussion of treatment recommendations is based on stage, histology, and risk classification, with

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summaries of key trials and studies providing rationale. Each chapter outlines possible complications and follow-up guidelines. Appendices cover performance status scales, radionuclides used in

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**brachytherapy, radiation safety,
tumor markers,
immunophenotyping and
cytogenetics, and commonly
prescribed drugs.
Historically, mental health
clinical research has taken**

**inadequate account of
psychosocial disorders
experienced by those who
identify as sexual and gender
minorities, however, researchers
have recently begun developing
and adapting evidence-based**

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**mental health treatment
approaches for use with these
groups. Handbook of Evidence-
Based Mental Health Practice
with Sexual and Gender
Minorities offers a
comprehensive array of evidence-**

based approaches for treating sexual and gender minority clients' mental health concerns. The interventions detailed here span a diverse spectrum of populations, including sexual and gender minority youth,

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transgender populations, same-sex couples, sexual minority parents, and bisexual individuals. Chapters also address numerous mental and behavioral health problems, including anxiety disorders,

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depression, substance abuse, trauma, body image disturbance, and sexual health. In addition to an overview of the research evidence supporting each clinical presentation and approach, chapters contain

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**practical how-to guidance for
therapists to use in their clinical
practice. This book reflects a
true integration of the best of
sexual and gender minority
research and the best of
evidence-based practice**

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**research, presented by the
leading experts in the field. As
such it is essential reading for
mental health professionals who
work with these groups, as well
as trainees in social work,
counseling, and clinical**

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psychology.

**Updated and expanded, this
Second Edition of Essentials of
Clinical Radiation Oncology
continues to provide a succinct
and effective review of the most
important studies in the field.**

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Organized by disease topic and grouped by body part, each chapter employs structured sections for targeted information retrieval and retention. Chapters begin with a "Quick Hit" overview of each disease

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**summarizing the most significant
paradigms before moving into
dedicated summaries on
epidemiology, risk factors,
anatomy, pathology, genetics,
screening, clinical presentation,
workup, prognostic factors,**

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staging, treatment paradigm, and medical management. An evidence-based question-and-answer section concludes each chapter, which pairs commonly encountered clinical questions with answers connecting

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historical context and pertinent clinical studies to better inform decision-making and treatment planning. Providing the latest treatment paradigms and guidelines, this comprehensive second edition now outlines the

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**evidence and must-know
considerations for using
radiation therapy with
immunotherapy, the strategies
for metastasis-directed therapy
for oligometastatic disease, and
much more. Written for the**

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practicing radiation oncologist, related practitioner, and radiation oncology resident entering the field, this "one-stop" resource is the go-to reference for everyday practice. Key Features: Structured sections offer high-

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**yield information for targeted
review Cites need-to-know
clinical studies and treatment
guidelines in evidence-based
question-and-answer format
Each chapter has been reviewed
and updated to include the most**

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**recent and relevant studies New
chapters on spine tumors,
thyroid cancer, sinonasal
tumors, cholangiocarcinoma,
renal cell carcinoma, multiple
myeloma and plasmacytoma,
miscellaneous pediatric tumors,**

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**and treatment of oligometastatic
disease from underlying cancers
Designed for quick reference
with comprehensive tables on
treatment options and patient
selection, workup, and
prognostic factors by disease**

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**site Purchase includes digital
access for use on most mobile
devices or computers**

**Oxford Handbook of Oncology
Fundamentals of Radiation**

Oncology

Manual for Radiation Oncology

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**Nursing Practice and Education
Handbook of Evidence-Based
Stereotactic Radiosurgery and
Stereotactic Body Radiotherapy
Qualitative, Quantitative, and
Mixed Methods**

Now in its second edition, this

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***popular text remains a
comprehensive study and review
aid for the radiation oncology
trainee and practicing radiation
oncologist. The updated
Radiation Oncology Study Guide,
2e maintains its robust Q&A***

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***format, and has been
comprehensively updated to
include the latest staging
information and treatment
methods. Answer rationales have
been modified to a more
readable, high yield bulleted***

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format. Each chapter covers a major disease site and is divided into two main parts: Questions & Answers and Rationale.

Questions review the scope of clinical practice, spanning from initial presentation to

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complications of treatment.

***General content and work-up
questions emphasize “pearls” of
epidemiology, anatomy,
pathology, clinical presentation,
and staging. Treatment content
questions not only review***

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evidence-based data guiding treatment recommendations, but also practical aspects of radiation treatment planning, pertinent radiobiology and physics, and complications of treatment. This book is an ideal

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resource for physicians-in-training to prepare for initial written and oral exams and physicians in practice to maintain their skills and prepare for maintenance of certification longitudinal and written exams.

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***The only radiation therapy text
written by radiation therapists,
Principles and Practice of
Radiation Therapy, 4th Edition
helps you understand cancer
management and improve
clinical techniques for delivering***

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doses of radiation. A problem-based approach makes it easy to apply principles to treatment planning and delivery. New to this edition are updates on current equipment, procedures, and treatment planning. Written

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***by radiation therapy experts
Charles Washington and Dennis
Leaver, this comprehensive text
will be useful throughout your
radiation therapy courses and
beyond. Comprehensive
coverage of radiation therapy***

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includes a clear introduction and overview plus complete information on physics, simulation, and treatment planning. Spotlights and shaded boxes identify the most important concepts. End-of-

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chapter questions provide a useful review. Chapter objectives, key terms, outlines, and summaries make it easier to prioritize, understand, and retain key information. Key terms are bolded and defined at first

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***mention in the text, and included
in the glossary for easy
reference. UPDATED
chemotherapy section,
expansion of What Causes
Cancer, and inclusions of
additional cancer biology terms***

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and principles provide the essential information needed for clinical success. UPDATED coverage of post-image manipulation techniques includes new material on Cone beam utilization, MR imaging,

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image guided therapy, and kV imaging. NEW section on radiation safety and misadministration of treatment beams addresses the most up-to-date practice requirements. Content updates also include

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***new ASRT Practice Standards
and AHA Patient Care
Partnership Standards, keeping
you current with practice
requirements. UPDATED full-
color insert is expanded to 32
pages, and displays images from***

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newer modalities.

***Khan's Lectures: Handbook of
the Physics of Radiation Therapy
will provide a digest of the
material contained in The
Physics of Radiation Therapy.
Lectures will be presented***

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***somewhat similar to a
PowerPoint format, discussing
key points of individual chapters.
Selected diagrams from the
textbook will be used to initiate
the discussion. New illustrations
will used, wherever needed, to***

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enhance the understanding of important concepts. Discussion will be condensed and often bulleted. Theoretical details will be referred to the textbook and the cited literature. A problem set (practice questions) will be

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***provided at the end of each
chapter topic.***

***Clinical Engineering Handbook,
Second Edition, covers modern
clinical engineering topics,
giving experienced professionals
the necessary skills and***

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knowledge for this fast-evolving field. Featuring insights from leading international experts, this book presents traditional practices, such as healthcare technology management, medical device service, and

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technology application. In addition, readers will find valuable information on the newest research and groundbreaking developments in clinical engineering, such as health technology assessment,

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disaster preparedness, decision support systems, mobile medicine, and prospects and guidelines on the future of clinical engineering. As the biomedical engineering field expands throughout the world,

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clinical engineers play an increasingly important role as translators between the medical, engineering and business professions. In addition, they influence procedures and policies at research facilities,

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universities, and in private and government agencies. This book explores their current and continuing reach and its importance. Presents a definitive, comprehensive, and up-to-date resource on clinical

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***engineering Written by
worldwide experts with ties to
IFMBE, IUPESM, Global CE
Advisory Board, IEEE, ACCE,
and more Includes coverage of
new topics, such as Health
Technology Assessment (HTA),***

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***Decision Support Systems
(DSS), Mobile Apps, Success
Stories in Clinical Engineering,
and Human Factors Engineering
Handbook of Methodological
Approaches to Community-
based Research***

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***A Handbook of Evidence-Based
Practice***

***Stereotactic Radiosurgery and
Stereotactic Body Radiation
Therapy (SBRT)***

***Target Volume Delineation for
Conformal and Intensity-***

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***Modulated Radiation Therapy
Volume 1***

Handbook of Evidence-Based
Radiation Oncology Springer

Therapy is frequently miscast as
requiring an enormous amount of time
and financial commitment, but helpful,
goal-oriented therapy can produce

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positive results after only a few sessions. By focusing on solutions instead of problems, SFBT asks clients to set concrete goals and to draw upon strengths in their lives that can help bring about the desired change for a preferred future.

This edition is intended for nurses in

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every practice setting who are involved with providing care to individuals with cancer, those at risk for cancer, and survivors of cancer. The book covers the most common cancers and strategies for nursing care and is an excellent resource for nursing students, nurses who find themselves

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providing care to individuals with cancer but may not consider themselves oncology nurse specialists, and other health professionals who have an interest in oncology care. Nursing faculty find this text helpful when developing oncology content for undergraduate courses.

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Stereotactic Radiosurgery and Stereotactic Body Radiation Therapy (SBRT) is a comprehensive guide for the practicing physician and medical physicist in the management of complex intracranial and extracranial disease. It is a state-of-the-science book presenting the scientific

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principles, clinical background and procedures, treatment planning, and treatment delivery of SRS and SBRT for the treatment of tumors throughout the body. This unique textbook is enhanced with supplemental video tutorials inclusive to the resource. Beginning with an overview of SRS

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and SBRT, Part I contains insightful coverage on topics such as the evolving radiobiological principles that govern treatment, imaging, the treatment planning process, technologies and equipment used, as well as focused chapters on quality assurance, quality management, and

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patient safety. Part II contains the clinical application of SRS and SBRT for tumors throughout the body including those in the brain, head and neck, lung, pancreas, adrenal glands, liver, prostate, cervix, spine, and in oligometastatic disease. Each clinical chapter includes an introduction to the

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disease site, followed by a thorough review of all indications and exclusion criteria, in addition to the important considerations for patient selection, treatment planning and delivery, and outcome evaluation. These chapters conclude with a detailed and site-specific dose constraints table for

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critical structures and their suggested dose limits. International experts on the science and clinical applications of these treatments have joined together to assemble this must-have book for clinicians, physicists, and other radiation therapy practitioners. It provides a team-based approach to

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SRS and SBRT coupled with case-based video tutorials in disease management, making this a unique companion for the busy radiosurgical team. Key Features: Highlights the principles of radiobiology and radiation physics underlying SRS and SBRT Presents and discusses the expected

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patient outcomes for each indicated disease site and condition including a detailed analysis of Quality of Life (QOL) and Survival Includes information about technologies used for the treatment of SRS and SBRT Richly illustrated with over 110 color images of the equipment, process flow

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diagrams and procedures, treatment planning techniques and dose distributions 7 high-quality videos reviewing anatomy, staging, treatment simulation and planning, contouring, and management pearls Dose constraint tables at the end of each clinical chapter listing critical structures

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and their appropriate dose limits

Includes access to the fully-searchable
downloadable eBook

Communicating Risks and Benefits

Radiation Oncology Physics

An Evidence-Based Clinical Guide

Radiation Oncology Study Guide

Physical, Biological, and Clinical

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This handbook concisely summarizes state-of-the-art information about stereotactic radiosurgery (SRS) and stereotactic body radiotherapy (SBRT),

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including the history and development of these modalities, the biologic rationale for these technologies, typical practices, and reported results. Developed as a

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companion to Handbook of
Evidence-Based
Radiotherapy, Second
Edition, edited by Eric
Hansen and Mack Roach,
III, it is organized by
disease site and presents

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treatment techniques and
recommended imaging;
safety and quality
assurance; toxicities and
management; recommended
follow-up; and supporting
evidence. Inclusion of

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evidence-based guidelines is intended to help inform decisions regarding the appropriateness of SRS and SBRT and guide treatment and evaluation. Handbook of Evidence-Based

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Stereotactic Radiosurgery
and Stereotactic Body
Radiotherapy can be easily
referenced in the clinic
and is a valuable guide
for oncology
practitioners.?

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From medicine to education, evidence-based approaches aim to evaluate and apply scientific evidence to a problem in order to arrive at the best possible solution.

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Thus, using scientific knowledge to inform the judgment of managers and the process of decision-making in organizations, Evidence-based Management (EBMgt) is the science-

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informed practice of
management. Written by
leading experts in the
study and practice of
EBMgt, The Oxford Handbook
of Evidence-based
Management provides an

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overview of key EBMgt
ideas and puts them in
context of promoting
evidence-based practice.
Furthermore, it addresses
the roles and
contributions of

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practitioners, educators,
and scholars -- the
primary constituents of
EBMgt -- while providing
perspectives and resources
for each. Divided into
three sections (research,

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practice, and education),
this handbook examines the
realities of everyday
management practice and
the role EBMgt can play in
improving managerial
decision making and

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employee well being and
instructs educators in
their roles as designers
of curricula and
resources. As the first
major volume to capture
the spirit of this

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emerging movement, The
Oxford Handbook of
Evidence-based Management
shows how practitioners
can use high-quality
knowledge gleaned from
scientific research in

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order to make better use
of available data and
ultimately make more
mindful decisions.

This publication is aimed
at students and teachers
involved in teaching

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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

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information will be useful to those preparing for professional certification exams in radiation oncology, medical physics, dosimetry or radiotherapy technology.

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"The Handbook of
Methodological Approaches
to Community-Based
Research is intended to
aid the community-oriented
researcher in learning
about and applying cutting-

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edge quantitative,
qualitative, and mixed
methods approaches"--

The Oxford Handbook of
Evidence-Based Management
A Cancer Source Book for
Nurses

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The Physics of Atoms and
Quanta

Introduction to

Experiments and Theory

Handbook of Evidence-based
Radiation Oncology

Expand your understanding of the

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*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*

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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

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*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*

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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

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*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*

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*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*

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*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.*

Radiation Therapy Treatment

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Effects is a practical guide to common and uncommon toxicities which occur related to radiation therapy. Organized by anatomic region, from CNS to skin and extremities, it concisely and comprehensively reviews the

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symptoms, timing, preventative measures, and treatment of acute, delayed, and chronic radiation toxicities and provides evidence-based recommendations for management of both early and late effects. Other important chapters

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consist of topics such as radiation toxicity management in children, systemic effects of radiation therapy, radioprotection for radiation therapy, risk and prevention of radiation-induced cancers, challenges and

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*approaches to cancer survivorship
and how to maximize cancer
patient wellness after radiation
therapy. This evidence-based
handbook of radiation therapy side
effects, is an invaluable reference
for the daily management of cancer*

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patients and survivors. The topic coverage will assist physicians, APPs, and nurses practicing or training in radiation oncology, other oncology specialties, and primary care providers caring for cancer survivors. Key Features:

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Provides management

recommendations and clinical

pearls from topic experts Organized

for quick reference by body area

and toxicity Numerous tables

consolidate important radiation

effects for ease of reference

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*Summarizes each known toxicity,
its presentation, prevention, and
management*

*Fundamentals of Radiation
Oncology: Physical, Biological,
and Clinical Aspects, Third Edition
continues to provide current,*

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concise, and a readily available source of clinical information for busy practicing radiation oncologists. The book consists of 26 chapters, divided into four parts: Part I describes the basic science of radiation oncology, with

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discussions of radiation physics, radiation protection, and radiation biology, as well as molecular biology. Part II describes techniques and modalities of radiation oncology including brachytherapy, intensity-modulated

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*radiation therapy (IMRT),
stereotactic radiotherapy (SRS),
stereotactic body radiation therapy
(SBRT), and proton therapy.
Significant recent advances made
in the areas of immunotherapy and
combined modality therapy; as*

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such, these chapters have also been added to this new edition. Part III describes the clinical science of radiation oncology including risk factors, symptoms/signs, and investigations needed for the cancer diagnosis and up-to-date

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*treatment recommendations in
accordance with the new AJCC
staging system. In addition,
radiation treatment techniques,
with an emphasis on IMRT, have
been expanded to all the chapters.
Also included in this version of the*

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book is a chapter on benign diseases. Updated annotated bibliographies of latest landmark studies providing evidence-based rationale for the recommended treatments are presented at the end of each chapter. Part IV describes

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palliative radiation treatments to improve the quality of life for cancer patients and the management of side effects from radiation treatment. This book is a must-have for all radiation oncology residents, radiation

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*oncologists and all professionals
engaged in the care of cancer
patients. New chapters on
brachytherapy, IMRT/IGRT, SRS,
SBRT, proton therapy,
immunotherapy, combined
modality therapy, and benign*

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*diseases Eighth edition of the
AJCC staging system IMRT
techniques for all common cancer
sites, along with up-to-date
treatment recommendations
Relevant, landmark studies that
provide evidence-based rationale*

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for recommended treatments

*The importance of conducting
empirical research for the future of
psychodynamics is presented in this
excellent new volume. In
Handbook of Evidence Based
Psychodynamic Psychotherapy:*

Bridging the Gap Between Science and Practice, the editors provide evidence that supports this type of research for two primary reasons. The first reason concerns the current marginalization of psychodynamic work within the

mental health field. Sound empirical research has the potential to affirm the important role that psychodynamic theory and treatment have in modern psychiatry and psychology. The second reason that research is

*crucial to the future of
psychodynamic work concerns the
role that systematic empirical
investigations can have in
developing and refining effective
approaches to a variety of clinical
problems. Empirical research*

*functions as a check on subjectivity
and theoretical alliances in on-
going attempts to determine the
approaches most helpful in
working with patients clinically.
Handbook of Evidence Based
Psychodynamic Psychotherapy:*

Bridging the Gap Between Science and Practice brings together a panel of distinguished clinician-researchers who have been publishing their findings for decades. This important new book provides compelling evidence that

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*psychodynamic psychotherapy is an
effective treatment for many
common psychological problems.*

*Decision Making in Radiation
Oncology*

*A Handbook for Teachers and
Students*

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***Gynecologic Oncology Handbook
Khan's Lectures: Handbook of the
Physics of Radiation Therapy
Target Volume Delineation and
Field Setup***

This handbook will enable
radiation oncologists to

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appropriately and
confidently select and
delineate tumor
volumes/fields for conformal
radiation therapy, including
intensity-modulated
radiation therapy (IMRT), in
patients with commonly

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encountered cancers. The orientation of this handbook is entirely practical, in that the focus is on the illustration of clinical target volume (CTV) delineation for each major malignancy. Each chapter

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provides guidelines and concise knowledge on treatment planning and CTV selection, explains how the anatomy of lymphatic drainage shapes target volume selection, and presents detailed

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illustrations of delineations, slice by slice, on planning CT images. While the emphasis is on target volume delineation for three-dimensional conformal therapy and IMRT,

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information is also provided on conventional radiation therapy field setup and planning for certain malignancies for which IMRT is not currently suitable. Essentials of Clinical Radiation Oncology is a

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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

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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

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factors, anatomy, pathology, genetics, screening, clinical presentation, workup, prognostic factors, staging, treatment paradigms, and medical management for each malignancy. Each treatment

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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

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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

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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

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"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

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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

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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

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disease site

"Advances in technology, research, and evidence-based practice have led to improvements in the care of patients receiving radiation therapy. The knowledge and expertise required by nurses

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must focus on the needs of patients who come into their care at any point across the trajectory of the cancer journey. Nurses may work with patients at varying stages of the radiation therapy process and in a

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wide range of settings.

Regardless, however, the need to be knowledgeable about the symptoms and side effects associated with this treatment is essential for nurses caring for this patient population. The

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Oncology Nursing Society has published the fifth edition of Manual for Radiation Oncology Nursing Practice and Education to support nurses who care for patients who will receive, are receiving, or have received

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radiation therapy. The fifth edition features significant updates and changes to the content to reflect advances in technology, treatment options, and symptom management. New sections have been added based on

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input from radiation oncology nurses or as a result of changes in treatment options, the needs of specific patient populations, and observations from clinical practice. New topics include

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patients with cognitive changes and dementia; general distress and coping; patients with mental illness; special populations, such as women who are pregnant, adolescents, and young adults;

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special needs related to late effects of treatment and cardiac toxicities; and treatment modalities, including cobalt therapy and immunotherapy. This manual serves as an essential resource for

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individual nurses new to
working in a radiation
therapy setting as well as
to nurses wanting to advance
their knowledge in radiation
biology and protection,
diverse radiation therapy
modalities, combination

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treatments, site- or disease-specific concerns, symptom management, special populations, and care during transition points.

Additionally, this manual can be a resource to advanced practice

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clinicians, educators, and administrators, with a focus on support for nursing staff seeking the education and skills required to care for patients receiving radiation therapy and their families"--

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Pocket Radiation Oncology is a practical, high-yield reference offering current, evidence-based practices and expert guidance from physicians at the world-renowned MD Anderson Cancer Center. Featuring an easy-to-

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use, loose-leaf format, it serves as a concise clinical companion and board study guide for medical students, residents, and attending physicians in radiation oncology.

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Managing Toxicity
A Practical Guide for
Conformal and Intensity-
Modulated Radiation Therapy
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practitioners in
oncology for over a
decade. The scientific
basis and diagnosis of
cancers is covered, as
well as drugs,*

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psychosocial aspects of
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comprehensive, there is
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emergencies. The field
of oncology has surged
forward since the last
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*of Oncology has been
fully revised and
updated to reflect these
recent advances so you
can be sure that the
vital information you
need is in your hands.*

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*This handbook
incorporates changes
such as the
understanding of the
science of cancer, novel
therapies in breast,
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importance of the immune
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handbook provides a
concise guide to all
aspects of oncology for
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understanding.

*This textbook is
designed to help the
busy radiation
oncologist to accurately
and confidently
delineate tumor volumes*

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*for conformal radiation
therapy (including
IMRT). The book provides
an atlas of clinical
target volumes (CTVs)
for commonly encountered
cancers, with each*

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*chapter illustrating CTV
delineation on a slice-
by-slice basis, on
planning CT images.
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*individual
illustrations, with
annotations highlighting
differences in coverage.
The anatomy of each site
and patterns of
lymphatic drainage are*

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discussed, and their influence on the design of CTVs is explained in detail. Utilization of other imaging modalities, including MRI, to delineate

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*volumes is highlighted.
Key details of
simulation and planning
are briefly reviewed.
Although the emphasis is
on target volume
delineation for*

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*conformal techniques,
information is also
provided on conventional
radiation field setup
and design when IMRT is
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clinicians in the
diagnosis and management
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and management, adjuvant
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references, medical
comorbidity algorithms,
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treatments Written in
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quick reference

*Radiation Oncology - A
Question Based Review
Essentials of Clinical
Radiation Oncology*

An Evidence Based User's

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Guide

*Clinical Fundamentals
for Radiation
Oncologists*

Effective risk communication is essential to the well-being of any organization and those people who depend on it. Ineffective

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communication can cost lives, money and reputations. Communicating Risks and Benefits: An Evidence-Based User ' s Guide provides the scientific foundations for effective communications. The book authoritatively summarizes the relevant research, draws out its implications for communication design, and provides

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practical ways to evaluate and improve communications for any decision involving risks and benefits. Topics include the communication of quantitative information and warnings, the roles of emotion and the news media, the effects of age and literacy, and tests of how well communications meet the organization ' s goals. The guide will

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help users in any organization, with any budget, to make the science of their communications as sound as the science that they are communicating.

Building on the success of this book's first edition, Dr. Eric Hansen and Dr. Mack Roach have updated, revised, and expanded the Handbook of Evidence-based Radiation

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Oncology, a portable reference that utilizes evidence-based medicine as the basis for practical treatment recommendations and guidelines. Organized by body site, concise clinical chapters provide easy access to critical information. Important "pearls" of epidemiology, anatomy, pathology, and clinical presentation are highlighted. Key

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facets of the work-up are listed, followed by staging and/or risk classification systems. Treatment recommendations are discussed based on stage, histology, and/or risk classification. Brief summaries of key trials and studies provide rationale for the recommendations. Practical guidelines for radiation techniques are described. Finally,

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complications and follow-up guidelines are outlined. Updates from the first edition include brand new color figures and color contouring mini-atlases for head and neck, gastrointestinal, prostate, and gynecological tumors; redesigned tables for increased readability; new chapters on management of the neck and unknown primary, clinical

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Designed to serve as a comprehensive active learning tool for medical students, residents, and junior attending physicians, Radiation

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Oncology: A Question-Based Review is geared toward helping professionals quickly and efficiently review a specific topic in clinical radiation oncology. Organized into sections by system and with over 90 chapters covering all the sites and conditions for which radiation is used clinically. This publication covers in detail all the sites and

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cancer types currently treated with radiotherapy with an emphasis on treatment recommendations and the evidence behind them. Additionally, detailed questions are included on the natural history, epidemiology, diagnosis, staging, and treatment-related side effects for each cancer type.

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This updated edition provides expanded information on new treatment modalities, patient assessment, symptom management, documentation, radiation protection, and quality improvement.

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Health Practice with Sexual and Gender
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Handbook of Treatment Planning, 2nd Ed
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oncology remains one of the most complex medical subspecialties, which requires an integrated understanding of radiation physics and technical aspects of radiation treatment planning and

delivery; cancer and radiation biology; and, most importantly, the clinical oncology. Moreover, the profession continues to undergo revolutionary changes that require radiation

oncologists to rapidly adopt and implement new clinical discoveries and technical innovations. The breadth of these changes can overwhelm busy practitioners, who struggle to keep abreast of the

**thousands of research articles
and the number of changes in
treatment techniques. To help
with this, Hasan Murshed,
M.D., M.S., has produced this
text entitled, Clinical
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**Oncologists, which follows his
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resource for busy radiation oncologists. First, it is a comprehensive text that includes review of the basic sciences underlying the field of radiation oncology, important overviews of the

**current state of knowledge for
all common cancers managed
by radiation oncologists, a
concise overview of modern
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management. In addition to this, another attractive feature about this book is its ease of use. Information is laid out for efficient utilization, with bulleted key points and effective tabulation of relevant

data. The annotated bibliography not only lists the most relevant current literature but also provides the reader a capsule summary of the most important results and clinical relevancy of these

studies. The efficient presentation of such material will no doubt be very useful for radiation oncologists who have only minutes to prepare for an upcoming tumor board discussion. Radiation

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A practical guide to carrying
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**book will be essential in
making them aware of the full
range of techniques available
to them, helping them to
design scientifically rigorous
experiments.**

Decision Making in Radiation

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Oncology is a reference book designed to enable radiation oncologists, including those in training, to make diagnostic and treatment decisions effectively and efficiently. The design is based on the belief

that “a picture is worth a thousand words.” Knowledge is conveyed through an illustrative approach using algorithms, schemas, graphics, and tables. Detailed guidelines are provided for

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**multidisciplinary cancer
management and radiation
therapy techniques. In
addition to the attention-
riveting algorithms for
diagnosis and treatment,
strategies for the management**

of disease at individual stages are detailed for all the commonly diagnosed malignancies. Clinical trials that have yielded “gold standard” treatment and their results are documented in the

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schemas. Moreover, radiation techniques, including treatment planning and delivery, are presented in an illustrative way. This groundbreaking publication is an essential tool for

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**physicians in their daily
clinical practice.**

**This is a highly practical
resource about the specific
technical aspects of delivering
radiation treatment. Pocket-
sized and well organized for**

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ease of use, the book is designed to lead radiation oncology trainees and residents step by step through the basics of radiotherapy planning and delivery for all major malignancies. This

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second edition retains the valued features of the first edition-comprehensive yet concise, practical, evidence-based-while incorporating recent advances in the field. This includes expanded and

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**updated discussions of SBRT
for prostate and GI tumors,
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**Solution-Focused Brief
Therapy**

**Bridging the Gap Between
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**Khan's The Physics of
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Radiation Therapy Treatment
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**A Handbook of Research
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