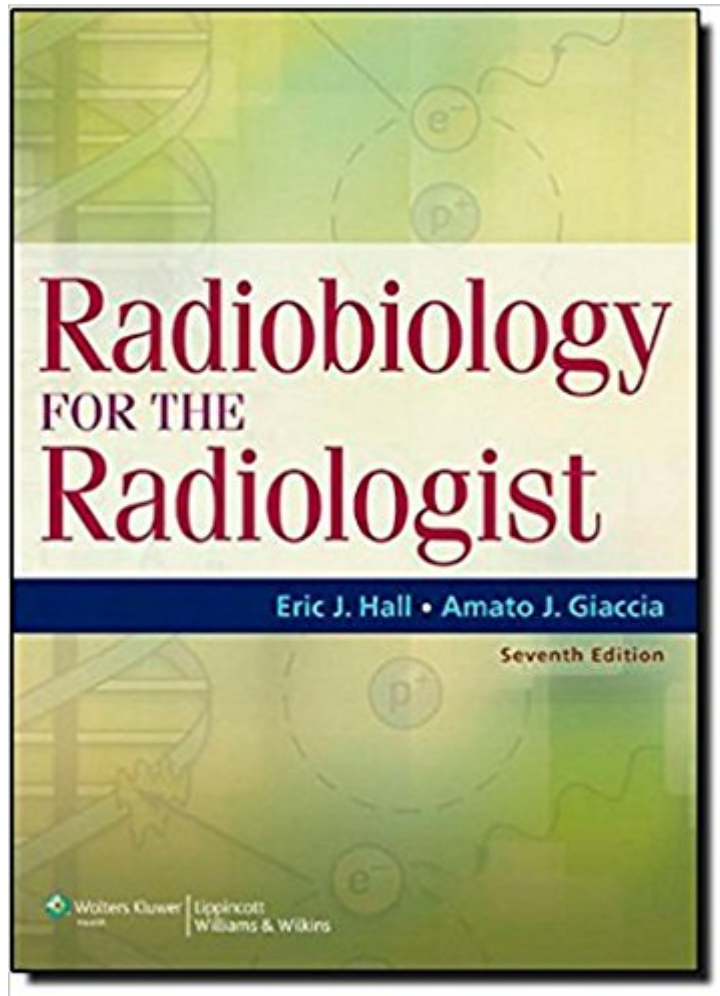


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# Radiobiology For The Radiologist



## Synopsis

In print since 1972, this seventh edition of *Radiobiology for the Radiologist* is the most extensively revised to date. It consists of two sections, one for those studying or practicing diagnostic radiology, nuclear medicine and radiation oncology; the other for those engaged in the study or clinical practice of radiation oncology--a new chapter, on radiologic terrorism, is specifically for those in the radiation sciences who would manage exposed individuals in the event of a terrorist event. The 17 chapters in Section I represent a general introduction to radiation biology and a complete, self-contained course especially for residents in diagnostic radiology and nuclear medicine that follows the Syllabus in Radiation Biology of the RSNA. The 11 chapters in Section II address more in-depth topics in radiation oncology, such as cancer biology, retreatment after radiotherapy, chemotherapeutic agents and hyperthermia. Now in full color, this lavishly illustrated new edition is replete with tables and figures that underscore essential concepts. Each chapter concludes with a "summary of pertinent conclusions" to facilitate quick review and help readers retain important information.

## Book Information

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## Customer Reviews

This is a great book - I have most editions, but the Kindle edition, which i was looking forward to is still missing the figures from two chapters. Most of the rest are here, and I can probably look them up in the earlier editions, but it shouldn't be this way.

This review is for the Kindle edition only. I have purchased two prior hard cover editions of this book and looked forward to the 7th edition on my Kindle and iPad. The Kindle edition is missing some of the figures in several of the chapters. I confirmed this on my Mac as well. Editor needs to fix this.

This is a great textbook, but don't buy the Kindle version - several chapters are missing multiple figures/diagrams. For some inane reason, 's contracted tech support could not look at the book to see if the problem was with the digital book itself (vs. a glitch in file transfer to me). As the customer, I was inconvenienced and told I had to "return" it and re-buy. This didn't help, and out of frustration I purchased the hard copy. Now my credit card bill has 2 purchase & 2 returns of the Kindle version and 1 purchase of the hard copy - sheesh! Come on , please establish a functional, working relationship between your tech support and publisher; quit inconveniencing your customers! I want the time I spend emailing/talking to customer support back!

Not only is this book the gold standard, but it is eminently readable. It "sticks". Having seen Dr. Hall lecture I can appreciate how his text reads very much like his class lectures. Makes a topic that a radiation oncologist might find odious rather enjoyable, without sacrificing high standards and scholarly quality.

Hall's sixth edition of RADIOBIOLOGY FOR THE RADIOLOGIST was the text I used for a course on radiobiology. I am a diagnostic imaging physicist and I highly recommend Hall's book for other medical physicists. Aside from the NCRP and BEIR reports, Hall is the go-to source for the biological effects of radiation. It is directed more towards cancer therapy, with every section pointing towards the use of radiation to attack cancer cells. Hall covers the biological effects of radiation in the first half and covers radiation therapy explicitly in the second half. As other reviewers have mentioned, Hall is very readable despite the deep level of detail he goes into when covering biological processes. Sometimes the professional jargon does become impenetrable to someone not trained in biology, and while Hall is careful to cover the basic physics of radiation interactions I think the book would benefit from a chapter covering biological terminology. His chapters overflow with graphs and charts, which I believe is a good thing, but they can be difficult to interpret as Hall rarely includes error bars on his plots. His chapter summaries are excellent review mechanisms and teaching aids. Finally, each chapter has an extensive bibliography so that the inquisitive student can do further research. For the diagnostic imaging physicist, the first fifteen chapters are invaluable as a detailed guide to the biological effects of radiation. Hall covers the physics and chemistry of

radiation absorption, how radiation affects DNA and cell behavior, the relative biological effects of different radiation modes and environmental conditions, the deterministic and stochastic effects of radiation, radiation protection methods, and the doses and risks in radiology. The second half of the book is devoted to radiation therapy, which would pertain more to radiation oncologists and radiation therapy physicists.

This would be a great book if they actually included the Figures and Equations. Everyone seems to be waiting for the developers to issue an update. So be warned, if you need this material the current kindle version is a very poor representation of the actual text.

This is a review of the Kindle version. The text content of the book is excellent (5 stars) for understanding radiobiology, but there are multiple chapters that are missing all of the figures or some of the figures. Having the electronic version is great for being able to highlight sections and for doing word searches, but a substantial part of the content involves the figures, which for the most part are missing in this electronic version. I had to bug other students to photocopy all of the missing figures, which I continually found as I read new chapters. The publisher really needs to set this straight, especially since the Kindle book is as expensive as the print version. This does a great disservice to an otherwise excellent text. I would rate this as a 5-star if the publisher fixes this problem, and until then would recommend you get the print version or be prepared to borrow for photocopying from classmates.

A must read book for radiation oncology and physics residents. All topics on radiobiology are explained in a comprehensible way. This book, plus "The Physics of Radiation Therapy", by Faiz Khan, are the basics of the knowledge for the people who are beginning in the understanding of radiation physics. Great book, written for one of the best physics in the world.

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