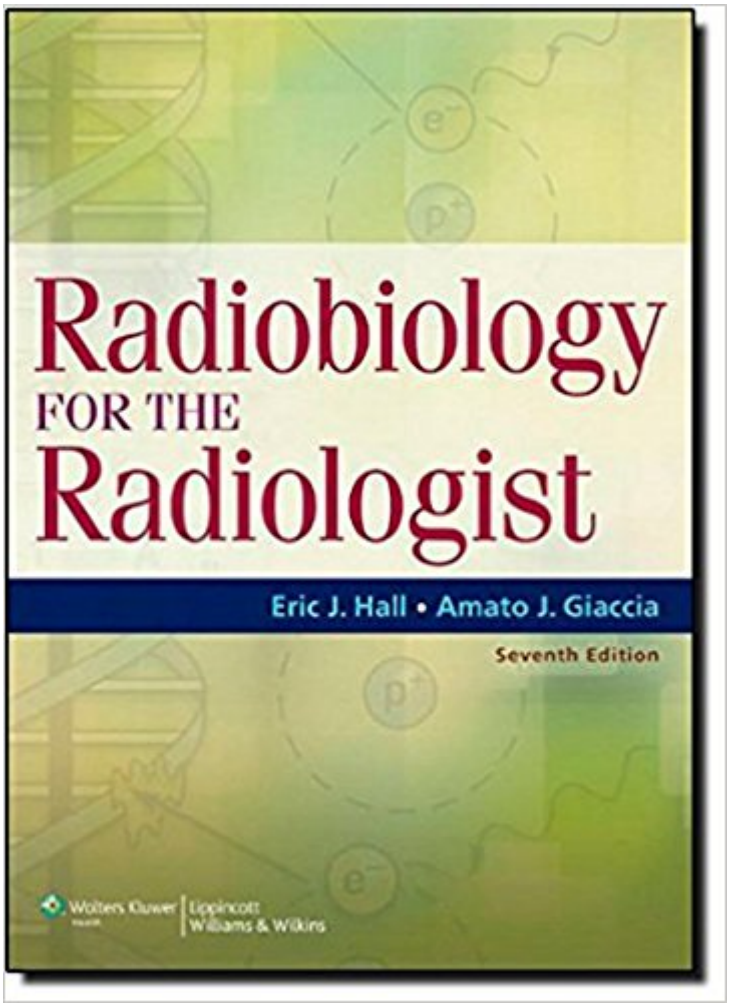
Radiobiology For The Radiologist



Synopsis

In print since 1972, this seventh edition ofÂ Radiobiology for the RadiologistÂ is the most extensively revised to date. It consists of two sections, one for those studying or practicingÂ diagnostic radiology,Â nuclear medicine and radiation oncology; the other for those engaged in the study or clinical practice ofÂ radiation oncology--a new chapter, on radiologic terrorism, is specifically for those in the radiation sciences who wouldÂ manage exposed individuals in the event of a terrorist event.Â 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" toÂ facilitate quick review and help readers retainÂ important information.Â

Book Information

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Customer Reviews

"Radiobiology for the Radiologist 7th edition does an admirable job carrying on the tradition set by its predecessors. It retains the succinct and understandable style that one familiar with older additions would expect while adding color illustrations which will no doubt appeal to many new adopters of the title. Once again, this book can be recommended with no reservation to radiologists

in training, graduate students in the biomedical sciences who employ radiation in their research, and all others who are interested in learning foundational information about this fascinating area of science and medicine. "- MedicalScienceBooks.com

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 environmnet 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 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 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!

This is the 8th edition of this fabulous work. It is completely up to date and generously illustrated. It is in sections so that the different specialties of radiology can select the key chapters. The two authors have done a great job of simplifying and explaining the intrecacies of radiobiology The book is also simple enough thea t alay reader can use it to become famliar with this topic.

I am a nuclear pharmacist who gets to work with a lot of introductory students. This book has greatly increased my knowledge of this subject and it is very clearly written even for the non-specialist in radiobiology. I would buy this again.Edit 10-05-2012: I did buy this book again, the 7th edition. The color and typeset make the 7th edition more easy to read, there are multiple updated chapters, and there is even more detailed information that is over my knowledge level. In short, the book is an almost perfect reference book on this subject for me, and the 7th edition is better than the 6th.

minus the cost of the textbook, this is a great product and, honestly, one of the better radiobiology books i've read thus far. it's a somewhat easier read of some very complicated topics. fast delivery. no problems.

Great book for the pre-med and med student as an overview of major concepts in radiotherapy. Best part about my course in Radiation Biology was this text.

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.