



The Royal Australian and New Zealand College of Radiologists®

The Faculty of Clinical Radiology

Applied Imaging Technology Recommended Reading List

There are many suitable Applied Imaging Technology textbooks which candidates may choose to read. The following reading list is not intended to be comprehensive, nor should it be considered essential reading. Candidates are advised to use this list as a guide only.

Reading List

1. Bushberg, JT, Seibert, JA, Leidholdt, EMJ, and Boone, JM. The Essential Physics of Medical Imaging, 4th Ed. Wolters Kluwer Health (2020).
2. Huda, W. Review of Radiologic Physics. 4th Ed. Lippincott Williams & Wilkins (2016). [*optional additional text to supplement Bushberg et al*]
3. Martin, CJ, and Sutton, DG (Eds). Practical Radiation Protection in Healthcare, 2nd Ed. Oxford University Press (2014). [*optional additional text to supplement Bushberg et al*]

Further Reading and Useful References

1. <https://www.arpansa.gov.au/regulation-and-licensing/regulatory-publications/radiation-protection-series>
2. <https://www.health.govt.nz/our-work/ionising-radiation-safety/codes-practice#medical>
3. AAPM/RSNA. Physics Tutorials for Residents published in RadioGraphics
<https://pubs.rsna.org/page/radiographics/aapm-physics>
4. Schild, H. MRI Made Easy (... well almost). Nationales Druckhaus Berlin (1990). Available from:
<https://rads.web.unc.edu/wp-content/uploads/sites/12234/2018/05/Phy-MRI-Made-Easy.pdf>
5. Sherlock, FG. MRI Safety Site <http://www.mrisafety.com/>
6. Annals of the International Commission on Radiological Protection (ICRP)
<https://www.icrp.org/page.asp?id=5>
7. McRobbie, DW, Moore, EA, Graves, MJ, and Prince, MR. MRI From Picture to Proton, 3rd Ed. Cambridge University Press (2017).
8. Cherry, SR, Sorensen, JA, and Phelps, ME. Physics in Nuclear Medicine, 4th Ed. Saunders (2012).
9. Gill, R. The Physics and Technology of Diagnostic Ultrasound – A Practitioner’s Guide, 2nd Ed. High Frequency Publishing (2020)
10. Balter, S, Hopewell, JW, Miller, DL, Wagner, LK and Zelefsky, MJ. Fluoroscopically Guided Interventional Procedures: A Review of Radiation Effects on Patients’ Skin and Hair, Radiology, 254(2):326-341 (2010).
11. Steele, JR, Jones, AK, and Ninan, EP. Quality initiatives: Establishing an interventional radiology patient radiation safety program, Radiographics, 32(1):277- 87 (2012).
12. Hall, E, and Giaccia, AJ. Radiobiology for the Radiologist, 8th Ed. Lippincott Wilkins & Williams, Philadelphia, USA (2018).
13. Szczykutowicz, T. The CT Handbook: Optimizing Protocols for Today's Feature-Rich Scanners, Medical Physics Publishing Corporation (2020).

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