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Generic CT and MRI Contrast Agents



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BOOK BRIEFLY NOTED

Multislice CT, 3rd revised ed.

M.F. Reiser, C.R. Becker, K. Nikolaou, et al, eds. Springer; 2009, 628 pages, 982 illustrations, \$249.00.

The enormous impact that multisection CT has had on the practice of radiology is evident in this 628-page book, *Multislice CT*, edited by Drs Reiser, Becker, Nikolaou, and Glazer. Eighty-seven contributing authors have covered sections on techniques (108 pages), neuroimaging (78 pages), cardiovascular imaging (136 pages), lung imaging (56 pages), oncology imaging (104 pages), intervention and CT use (73 pages), and trauma imaging (10 pages). Under "Technique," one can read about evaluations with CT from the earliest EMI scanner all the way to the current multisection CT technology. The physics, geometry, and reconstruction methods are clearly described.

The newest innovations in CT, including flat panel

detector C-arms; volumetric CT; information on radiation exposure and radiation protection; dual-energy CT and considerations in contrast administration are covered in the first part of the book. The chapter that is particularly strong deals with cardiovascular imaging, particularly imaging of the coronary arteries.

Although the book demonstrates how multisection CT is valuable in all subspecialty areas, neuroradiologists may find some interest in chapters on the following subjects: cerebral perfusion, neurovascular imaging, temporal bone, orbits, dental imaging, neck imaging in oncology, and trauma. Of most interest is the chapter that deals with CT-derived parametric maps in stroke. The remainder of the information contained in the chapters is well known to neuroradiologists.

The value of this book lies in the techniques described and the explanations underlying the physics of multidetector CT. The book would be a good addition to a radiology department library.

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