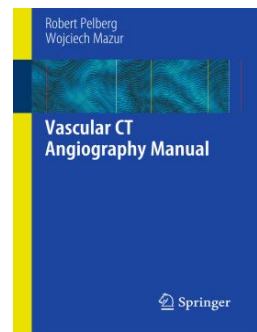


Vascular CT Angiography Manual

Author(s): Pelberg/Mazur
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This book is an excellent attempt to bring together comprehensive information in a small format on procedures which have now become commonplace in imaging departments with modern CT scanners.

It covers the basic concepts of CT and radiation to disease processes and protocols specific to each angiography of each region to a reasonable and practical level for the size of the book.

The CT basics chapter explains concepts of attenuation, mA versus KeV, calculation of CT number, image resolution and windowing, ECG gating, iodine flux, and post-processing technique. Although the authors have tried to explain each in a simple and understandable way, the arrangement of the topics is haphazard. As the book is devoted to CT angiography, some more explanation about contrast media, its timing with respect to acquisition, and post-processing techniques would have been useful. Brief explanation of ionising radiation and its measurement is always important but could have been made more pertinent to the topic.

The chapter on technical aspects of CT angiography could have been more flexible by including CT scanners with different collimations. The authors have rightly laid great emphasis on utilising ECG gating when scanning for suspected acute Type A aortic dissection.

Subsequent chapters on angiography of specific regions give detailed anatomy and describe the different disease processes in reasonable detail. The latter would be very informative to radiology readers seeking more information.

Each chapter has plenty of images (both pictorial and of CT) demonstrating anatomy of various vascular regions as well as different abnormalities, except the one on peripheral CTA.

In summary, despite some of the shortcomings, this book fills the gap in the market on this important topic. It would be a handy reference manual to any CT scanner facility, as well as useful for a more serious reader.

***This book can be purchased through the RAD Magazine Book Service at the discounted rate of £39.36. (Price correct as at October 13, 2011).
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