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Nuclear Medicine Textbook: Methodology and Clinical Applications

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REVIEW

REVIEW INFO



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Spoiler alert: I like this book. Volume one starts by covering the basics of radiopharmaceuticals including positron emitting ones and goes into the details of their structure, production into radioligands and prep; this is both for those involved in therapy and diagnostic imaging.

The next few chapters are dedicated to the principles of imaging including PETCT and PETMR and also delves into aspects of dosimetry and (semi-) quantitative analytics. The first part of this volume covers radiation protection for both patients and staff, albeit from an American perspective only in terms of legislation, but the principles discussed are sound.

The next few chapters cover the basics of CT and MR imaging, not just looking at the physics and principles of these modalities, but discussing clinical utility of various protocols specifically – nice revision for a radiologist, good knowledge for a nuclear medicine physician. It also covers radio-guided surgery techniques and related equipment. Thereafter, there are multiple organ/body region specific chapters mostly occupying volume two covering: neuro; head and neck; cardiovascular; pulmonary disease; chest tumours; MSK; hepatobiliary; thyroid; endocrine and NET including Ga68-DOTA. There are also chapters for planning for external beam radiotherapy with PETCT, QA/QC procedures for equipment (again USAbased), radiopharmacy layout and radiopharmaceutical production, and the issues around use of isotopes in clinical trials.

Throughout the two volumes, the quality of images is excellent; there are multiple useful anatomical schematics and each chapter is well referenced and highlights key points and learning points. At the end are multiple teaching cases and even reporting templates are provided.

*Prices correct as at May 20, 2020, please call (01371) 812960 for current prices.

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I like this book a lot and it provides excellent value.

