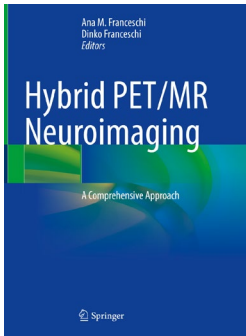


## Book shelf

# Hybrid PET/MR Neuroimaging: A Comprehensive Approach

Franceschi, Franceschi

### REVIEW INFO



Publisher:  
Springer

ISBN:  
978-3-030-82366-5

RRP:  
£139.99 / eBook £87.50

RAD Magazine price:  
£111.99 / eBook £70\*

*\*Prices correct as at April 19, 2023, please call (01371) 812960 for current prices.*

### REVIEW

*Book reviewed by Dr Ruth Whitehead, radiology registrar, West Yorkshire radiology training scheme, and Dr Mark Igra, consultant neuroradiologist, Leeds Teaching Hospitals NHS Trust.*

In this text, Franceschi and Franceschi champion the use of hybrid PETMR neuroimaging, a new and evolving technology with a broad scope of potential uses. Across the first 19 chapters the authors detail the physics behind the techniques, the radiotracers used in clinical practice and those still in the research phase. The remaining 52 chapters cover a wide range of neurological diseases in which hybrid PETMR imaging may be of diagnostic use, including neuro-degenerative disorders, epilepsy, neuro oncology, head and neck, spinal and vascular pathologies. Paediatric PETMR imaging is also included in a separate section, with discussion of the relative risks and benefits (particularly potential radiation dose reduction) of PETMR versus PETCT in this population.

The subtitle *A Comprehensive Approach* appears justified for this text, with a breadth of concepts and pathologies covered. Clear explanations are provided for the less experienced reader, with further depth of detail available for the more senior radiologist. Discussion of each topic is not exhaustive and may feel somewhat limited for the expert reader, although the reference sections do provide a wide range of papers for further reading.

The liberal use of diagrams and diagnostic images to support the message of each chapter is a further strength of the book. The imaging review of the common intracranial neoplasms is of particular interest to the trainee, although perhaps somewhat basic for the neuroradiologist.

As ever, there will be some differences in practice between the US-based authors and UK-based readers, with FDA guidance and approvals of less relevance to the British radiologist. Some of the more experimental

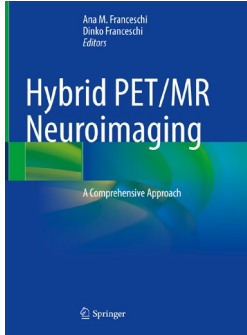
*review continues ...*

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*... review continued*

techniques may also appear rather aspirational within a resource-limited NHS.

Overall, this resource presents a helpful introduction to PETMR and is of interest to both the trainee and general radiologist. The enthusiasm of the authors for this novel imaging technique is clearly evident throughout the book and could serve as inspiration to the aspiring trainee to follow a dual-speciality training pathway in both nuclear medicine and neuroradiology.

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