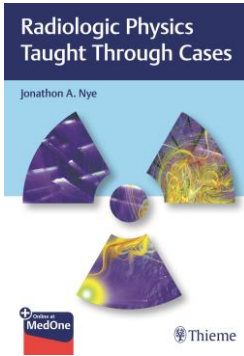


## Book shelf

## Radiologic Physics Taught Through Cases

Nye

## REVIEW INFO



Publisher:  
Thieme

ISBN:  
978-1-62623-967-8

RRP:  
£51.00

RAD Magazine price:  
£43.35\*

\*Prices correct as at  
August 12, 2020, please  
call (01371) 812960 for  
current prices.

## REVIEW

*Book reviewed by Dr Mark Worrall, head of radiation physics, NHS Tayside.*

A common complaint from registrars having to learn physics as part of their training in radiology is that they cannot see the clinical relevance of a lot of what they are taught. While the intention is to provide the fundamentals that will allow the trainee to grasp those aspects that are directly relevant, trainees often struggle for motivation until they reach the material where the clinical relevance becomes obvious.

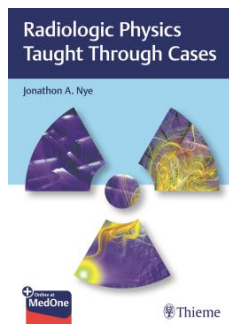
*Radiologic Physics Taught Through Cases* is a book designed with this specific difficulty in mind. Its presentation is very different from the typical radiological textbooks that are available. The book is divided into chapters that each deal with an imaging modality (fluoroscopy, mammography, CT, MRI, nuclear medicine, ultrasound and a final chapter covering image processing). Each chapter presents a number of clinical cases. Each of these begins with the clinical background, usually the patient's confirmed or suspected condition and an outline of the examination that has been undertaken with any specific details that are relevant. The case then describes the findings, which are dependent upon the intended learning and could include the general visual appearance of the image (usually suboptimal or otherwise remarkable), artefacts or the presence of processing or reconstruction issues.

All clinical cases contain genuine clinical images to illustrate the intended learning; these are a real highlight of the book and will likely provide a useful reference throughout the trainee's career. Each clinical case then includes a discussion that offers the explanation for the findings (the physics is within this section) and finishes with a conclusion that summarises the learning. Each chapter contains one or more multiple choice questions for each clinical case to allow the trainee to test their understanding. The book was written for trainees going through the American Board of Radiology

*review continues ...*

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**REVIEW***... review continued*

certifying examinations. It does not cover the full curriculum of The Royal College of Radiologist's FRCR first examination (physics) but it would be a useful addition to the existing textbooks that do. A chapter on general radiography seems to be a clear omission, there is too much prominence given to image artefacts and some of the clinical cases that are presented do not quite lend themselves well to the format that the book has committed to, but overall this would make a useful addition to radiology department libraries across the UK.

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