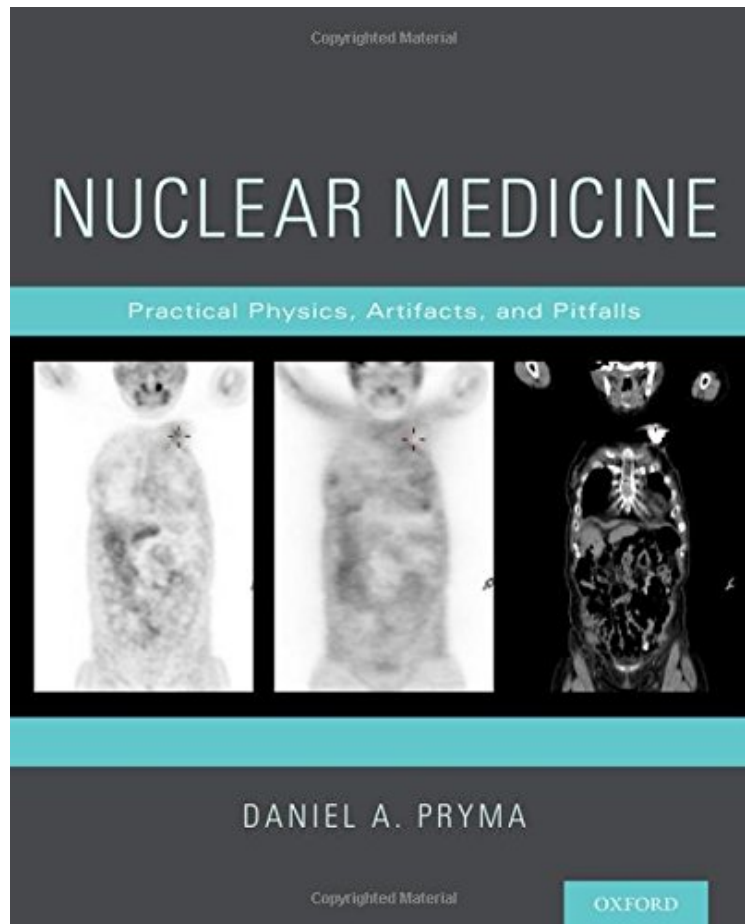


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Nuclear Medicine: Practical Physics, Artifacts, and Pitfalls

Daniel A. Pryma

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Daniel A. Pryma : Nuclear Medicine: Practical Physics, Artifacts, and Pitfalls before purchasing it in order to gage whether or not it would be worth my time, and all praised Nuclear Medicine: Practical Physics, Artifacts, and Pitfalls:

In contrast to most anatomic radiographic imaging techniques, nuclear medicine permits real time, non-invasive imaging of human physiology and pathophysiology and also allows for exquisite targeting of disease with therapeutic radiology. To open this window to the processes of human disease, one must first understand the physical processes behind radioactive decay and emission, as well the principles of radiation detection. Nuclear Medicine provides residents and practitioners in nuclear medicine and radiology a readable explanation of the physics concepts underpinning nuclear imaging and how they impact the utilization and interpretation of those images. Following a brief introductory section, the book provides numerous case examples, illustrating various imaging artifacts and pitfalls that can be recognized and remedied with a solid understanding of the physics behind the procedure.

Understanding and applying the physics behind nuclear medicine is essential to maximizing not only diagnostic and therapeutic accuracy for providing optimal patient care, and "Practical Physics" is a required portion of radiology residency education and a designated area of the board exams.

I am delighted to recommend it to people starting out in nuclear medicine and certainly I think it will be helpful to have it on the shelf in the department. * Dr Colin Todd, Consultant Radiologist, Kingston Hospital, London, RAD Magazine *About the Author Daniel A. Pryma is Associate Professor of Radiology, Clinical Director of Nuclear Medicine and Molecular Imaging