



PET and PET/CT: A Clinical Guide

By Eugene Lin, Abass Alavi

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Presenting both oncological and nononcological applications, this book covers the full range of scenarios the clinician is likely to encounter in the professional setting. With a special focus on PET/CT correlation and FDG oncological imaging, this text addresses the important role of PET/CT in managing patients with brain neoplasms; thyroid cancer; breast cancer; gastric cancer; lymphoma; melanoma; pancreatic cancer; gynecological neoplasms; urological neoplasms; musculoskeletal neoplasms, and more. Each chapter in the Oncological Applications section of the text focuses on a particular disease, allowing the reader to quickly access the information relevant to managing a specific clinical situation. Thorough review of the existing scientific literature and pointers on how to interpret and report images provide readers with the tools to sharpen their assessment and decision-making skills.

Key features:

- Efficient organization allows easy access to key concepts
- Review of normal variations and benign findings
- More than 200 graphics including state-of-the-art color PET/CT images
- Discussion of the basic science of PET and PET/CT

This text is ideal for students, residents, and both beginning and experienced practitioners in the fields of radiology, oncology, nuclear medicine, and nuclear medicine technology.

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Editorial Review

Review

"An affordable, portable, complete, and concise resource or review text concerning a very timely clinical subject. [The second section of the book] is an outstanding contribution to this text and could be used by any radiologist at any level of training who wants to review positron emission tomography (PET). The illustrations in this book are outstanding. They are appropriate for the discussion and expand the reader's understanding. None of the topics are covered too extensively, and this, combined with the partial outline format, makes this book more of a review and reference manual than a textbook. This book also could be used as a primary initial text for learning PET and PET/CT; I believe that many would find this very readable, even for the beginner. It bears repeating that this text covers both PET and PET/CT and thus serves an even larger purpose in a ready reference section or library. This is particularly impressive given how easily it could be placed in your pocket or bag and carried from site to site or office to reading room."--
Academic Radiology

"This small but very informative book is to be read by senior radiologists and especially junior residents who are just encountering the applications of PET and PET/CT. The various chapters are well illustrated by demonstrative images, many with directing arrows, and in several are "pearls," which the readers will find very useful. This handbook is full of information regarding the applications of PET and PET/CT, and it is recommended especially to the junior radiologists.."--Clinical Imaging

From the Back Cover

Praise for this book: "Sure to be a hit - just like the first edition...All the chapters are well written and the accuracy of information is impressive...[we] cannot recommend the book strongly enough. - RAD Magazine"

Returning in a second edition, this practical book presents oncological and nononcological applications for PET and PET/CT for the full range of scenarios frequently encountered in the professional setting. Placing special emphasis on PET/CT correlation and FDG oncological imaging, it opens with a thorough introduction to fundamental science and clinical basics. Each chapter in the Oncological Applications section of the book describes the role of PET and PET/CT in the management of specific diseases, providing succinct descriptions of indications and comparisons with other imaging modalities.

Highlights: New chapters covering PET/CT for pediatric patients; the use of FDG PET in the evaluation of infection and inflammation; and the role of PET and PET/CT in radiation therapy planning; and FDG biology More than 500 high-quality images, including state-of-the-art color PET/CT images Pearls and pitfalls that emphasize critical concepts Discussion of normal variations and benign findings Thorough review of the current literature on PET/CT

This compact book provides readers with the tools to sharpen their assessment and decision-making skills. Organized efficiently to enable rapid reference to key concepts, this concise text is ideal for residents and practitioners in radiology, nuclear medicine, oncology, radiation oncology, and nuclear medicine technology.

About the Author

Eugene C. Lin, M.D., is Attending Radiologist, Virginia Mason Medical Center, and Adjunct Assistant Professor, Department of Radiology, University of Washington, Seattle, Washington.

Abass Alavi, M.D., is Professor, Radiology and Neurology, and Chief, Division of Nuclear Medicine, Department of Radiology, Hospital of the University of Pennsylvania, Philadelphia, Pennsylvania.

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Chad Smith:

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