



Positron Emission Tomography with Computed Tomography (PET/CT)

By Jonas Francisco Y. Santiago

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Positron Emission Tomography with Computed Tomography (PET/CT) is a nuclear medicine imaging modality using positron-emitting radiotracers and a combined PET and CT scanner in order to detect and localize high radiotracer signal abnormalities. Although PET has evolved into a diagnostic modality of prime importance in oncology (with the radiotracer $F18$ -FDG) it was originally envisioned to image and diagnose diseases of the brain and the heart. Lack or limited experience in PET may result in an erroneous interpretation of the findings in this sensitive imaging modality. The existence of various rare cancers has resulted in scanty if not a lack of knowledge about the usefulness of PET in these interesting albeit uncommon maladies. The author, drawing from more than ten years of experience as the chairman/director of the only PET Center in the Philippines, aims to present the most interesting cases he has encountered which may be educational to those beginning their practice or even helpful to veterans of the field whose scope of practice has been limited to the most common and reimbursable indications of an FDG-PET scan.

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Editorial Review

From the Back Cover

Positron Emission Tomography with Computed Tomography (PET/CT) is an accessible case book presenting interesting cases encountered by the author over the last ten years experience as the chairman and director of the only PET Center in the Philippines. It aims to guide physicians in the accurate interpretation of the PET scans of uncommon diseases, and sometimes common cases but in extraordinary situations or conditions.

Encompassing a wide and varied range of fields such as oncology, inflammatory, immunology, anatomic variants etc., *Positron Emission Tomography with Computed Tomography (PET/CT)* will help those beginning their practice, and may even be useful to veterans of the field whose scope of practice has been limited to more common indications of an FDG-PET scan.

About the Author

Jonas Francisco Ynares Santiago, M.D. Former (2002-2013) Director of the Positron Emission Tomography Center and Former (2007-2013) Department Chairman of Nuclear Medicine, St. Luke's Medical Center, E. Rodriguez, Quezon City. Chairman, Nuclear Medicine and PET Center, St. Luke's Medical Center, Global City National Project Coordinator of the IAEA Project RAS 6/049 "Strengthening Clinical Applications of PET in RCA Member States" Regular Lecturer of the Radioisotopes Technique and Training Course, Philippine Nuclear Research Institute.

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