

Special Issue

PET/CT Imaging in Oncology: Innovations, Challenges, and Opportunities

Message from the Guest Editors

PET/CT has been the fastest-growing image modality in recent decades. This growth has been bolstered, on one hand, by the approval of new radiotracers, which have been instrumental in addressing the known limitations of FDG. On the other hand, the constant research of new possible indications of FDG-PET has led to the implementation of this tracer in many new clinical settings (e.g., image-guided surgery). Finally, advanced image analysis (including, but not limited to, radiomics, machine learning, automatic target segmentation, computer vision, augmented reality, etc.) has given new value to the acquired data and possesses the potential to increase the volume of information that imaging specialists and clinicians are able to extract from images. These aspects represent the pillars that will support the further growth of nuclear medicine. This Special Issue aims to provide an overview of the future directions of molecular imaging research, and, more in general, of innovative image analysis techniques. I am pleased to invite you to contribute to this Special Issue. This is a new volume of a Special Issue in which we published 16 papers in its first incarnation.

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Deadline for manuscript submissions

closed (20 November 2024)



Journal of Clinical Medicine

an Open Access Journal
by MDPI

Impact Factor 2.9
CiteScore 5.2
Indexed in PubMed



mdpi.com/si/185104

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