PET Imaging in Bone Diseases: State of the Art and Perspectives

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Message from the Guest Editors

In the realm of diagnostic and monitoring tools, PET imaging stands out as a robust modality. PET scans serve as invaluable assets in the assessment of a spectrum of metabolic bone diseases, encompassing osteoporosis, Paget's disease, CKD-related conditions, medication-related osteonecrosis of the jaw, and metastatic bone diseases. Additionally, they provide critical insights into atherosclerotic diseases, autoimmune conditions such as rheumatoid arthritis; osteogenic bone disorders encompassing fibrodysplasia ossificans progressive.

This Special Issue will focus on shedding light on recent advancements and future trajectories in the field, with a focus on standardizing protocols and validating innovative biomarkers. Furthermore, this Special Issue will aim to delve into the utilization of existing data resources to refine diagnostic criteria and harness the capabilities of automated analysis through traditional and modern artificial intelligence and machine learning.

We invite you to join us on this scholarly journey through the frontiers of PET imaging, as we uncover novel insights and pave the path towards enhanced diagnosis and treatment of bone diseases.

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Special Issue

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