



The Role of PET Imaging in Oncology: New Advancements in Clinical and Research Setting

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Message from the Guest Editors

PET imaging has become the most relevant diagnostic tool in the oncology field. Several radiopharmaceuticals have been progressively evaluated in the clinical scenario for different diseases. In the last 15 years, 18F-FDG PET/CT revolutionized staging and restaging in the most aggressive neoplasms, with particular regard for the early assessment of recurrent metastatic disease and response to therapy evaluation. The advent of precision therapy conferred PET imaging a crucial role in clinical management. Other radiotracers, such as 68Ga-Dotatate/tate/noc and 68Ga/18F-PSMA, have demonstrated high accuracy for neuroendocrine and prostate tumors, respectively, also opening a new era of functional imaging guiding radioligand therapy.

New technological and radiopharmaceutical developments are currently the objective of future research. This Special Issue will focus on new advancements of PET imaging in oncology (PET/CT, PET/MRI) in clinical and research settings, also evaluating the novel application of artificial intelligence.

We invite authors to submit contributions that provide novel findings or reviews that comprehensively highlight the latest discoveries in the field.





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Message from the Editor-in-Chief

Cancers is an international online journal addressing both clinical and basic science issues related to cancer research. The journal is publishing in Open Access format, which will certainly evolve to ensure that the journal takes full advantage of the rapidly changing world of information and knowledge dissemination. It publishes high-quality clinical, translational, and basic science research on cancer prevention, initiation, progression, and treatment, as well as other related topics, particularly to capture the most seminal studies in the rapidly growing area of immunology, immunotherapy, and tumor microenvironment.

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