



Advances in PET/CT Imaging for Breast Cancer Patients and Beyond

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Deadline for manuscript
submissions:
closed (25 May 2023)

Message from the Guest Editors

Over the last decade, molecular imaging has remarkably improved the management of patients with breast cancer. 18F-fluorodeoxyglucose positron emission tomography (PET) is now a cornerstone for in vivo characterization and measurement of biologic processes, with several clinical applications, such as staging and assessment of treatment response. Moreover, innovative PET radiotracers present novel clinical opportunities, such as the selection of patients for endocrine therapy, anti-HER2 therapy, and immunotherapy. For patients with metastatic breast cancer, 18F-fluoroestradiol is a promising tracer that can be used for a whole-body assessment of estrogen receptor status. The fibroblast activation protein inhibitor (FAPI), labeled with Gallium-68 or Fluor-18, is also under investigation, with encouraging results. Thus, several research teams have recently studied FAPIs' potential to compete with or even outperform FDG in a number of clinical indications. For this Special Issue, we encourage the submission of papers considering innovative approaches using PET/CT imaging to guide the management of patients with a diagnosis of breast cancer.





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