Special Issue

Advances in Imaging Oncology

Message from the Guest Editor

Proper cancer management requires timely and reliable diagnosis to identify the primary tumor and assess its spread. This process, technically called 'staging', is of paramount importance for planning the best therapeutic approach to be taken, as staging determines prognosis and consequently therapy. There are powerful diagnostic modalities, such as computed tomography (CT), magnetic resonance imaging (MRI), and nuclear medicine techniques such as single photon emission computed tomography (SPECT) and positron emission tomography (PET). Diagnostic radiology techniques such as CT and conventional magnetic resonance imaging identify morphological alterations, while nuclear medicine techniques, particularly PET, and to some extent advanced MRI techniques, have the ability to study the metabolism of injuries. The purpose of this section is to discuss the potential of recent advances in cancer imaging for diagnosis, staging, prognosis, therapy planning, and evaluation of response to treatment.

Guest Editor

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Deadline for manuscript submissions

closed (26 December 2023)



Life

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