Application of Radiological Imaging: Diagnosis, Therapy Monitoring and Pathophysiology in Oncology

Guest Editor:

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Deadline for manuscript submissions:
closed (31 July 2021)

Message from the Guest Editor

In recent years, there has been extensive research regarding imaging of oncologic diseases. The role of imaging has rapidly evolved from sole detection and measurement of malignant lesions to prognostication, treatment prediction and prediction of histologic features of tumors.

From this, a novel field has emerged: Radiomics, which can aid in all of different clinical aspects of oncologic imaging. Due to the advent of artificial intelligence in imaging research and even in clinical routine, the field of oncologic imaging will be significantly improved. The advent of hybrid imaging with PET-CT and PET-MRT helps to better characterize tumors in a morphological and functional way.

Thus, cutting-edge studies utilizing these novel techniques have shown promising results in various tumors where imaging can aid in several different aspects of oncology.

In this Special Issue, we aim to highlight recent advances in the context of diagnosis, therapy monitoring, and the prediction of prognosis in the field of oncology. Papers investigating these novel aspects of oncologic imaging are welcomed in this Special Issue.

mdpi.com/si/53718

Special Issue

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