

Special Issue

Tumor Diagnosis and Treatment: Imaging Assessment

Message from the Guest Editor

Imaging is becoming increasingly important in the field of oncology and, nowadays, it is a pivotal tool for clinical decision-making. Imaging is used for cancer screening, diagnosis, staging, restaging, and monitoring for cancer recurrence. These criteria are in a continuous state evolution and improvement since imaging techniques are being continually developed. In staging and restaging, multiple criteria have been proposed to evaluate the response of the tumors and metastases to neoadjuvant or adjuvant therapies, starting from the well-known RECIST criteria up to the volumetric analyses and the evaluation of the image texture. With specific software for texture analysis, it is possible to extract different features from US, CT, and MRI images that are mainly not appreciable by the eye of the radiologist, thus allowing a quantitative evaluation of the tumoral masses that was not possible a few years ago. This technique is illuminating new pathways in the field of diagnostics, and the help of artificial intelligence in evaluating such a large amount of data could become an ordinary application in a few years.

Guest Editor

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Editor-in-Chief

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