

Special Issue

Medical Imaging in the Detection of Urological Malignancies

Message from the Guest Editors

The past decade has been marked by the exponential advancement of medical imaging, with onco-radiology being at the very edge. Urological malignancies have improved their detection rates. At the forefront of novelty in this emerging domain is prostate cancer, which has gained diagnostic accuracy and precision, as new decision support tools based on texture analysis and machine learning algorithms have provided non-invasive methods of differentiating between benign and neoplastic tissue, as well as predicting tumoral grade and aggressiveness, with an accuracy of 90% compared to the final pathological report. This Special Issue will specifically focus on multiparametric MRI studies targeting prostate, vesical, renal and testicular malignancies that integrate in their protocol radiomics and artificial intelligence elements. Research papers targeting other imagistic techniques, as well as intraoperative techniques, are also welcomed. The aim is to compile state-of-the-art original research papers and reviews that highlight the progress registered by uro-radiology in terms of screening, diagnosing and staging urological malignancies.

Guest Editors

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You are invited to contribute a research article or a comprehensive review for consideration and publication in *Medicina* (ISSN: 1648-9144). *Medicina* is an open access, peer-reviewed scientific journal that publishes original articles, critical reviews, research notes, and short communications on medicine. The scientific community and the general public can access the content free of charge as soon as it is published.

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