Special Issue

Image Assisted High Precision Radiation Oncology

Message from the Guest Editors

Modern radiation therapy has evolved into a discipline deeply reliant on advanced imaging technologies to ensure precision, safety, and personalization. This Special Issue aims to showcase the current state and future directions of image-assisted high-precision cancer radiation therapy, focusing on how the integration of multi-modal imaging—CT, MRI, PET, ultrasound, and surface imaging—has transformed treatment planning, delivery, adaptation, and verification. Emphasis will be placed on innovations in IGRT, adaptive therapy, radiomics, motion management, and the role of AI in image interpretation and automation. We welcome original research, technical notes, and reviews that span from preclinical developments to clinical implementation across various cancer types and treatment modalities.

Guest Editors

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About the Journal

Message from the Editor-in-Chief

Cancers is an international online journal addressing both clinical and basic science issues related to cancer research. The journal is publishing in Open Access format, which will certainly evolve to ensure that the journal takes full advantage of the rapidly changing world of information and knowledge dissemination. It publishes high-quality clinical, translational, and basic science research on cancer prevention, initiation, progression, and treatment, as well as other related topics, particularly to capture the most seminal studies in the rapidly growing area of immunology, immunotherapy, and tumor microenvironment.

Editor-in-Chief

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