

Special Issue

Latest Innovations in Interventional Oncology

Message from the Guest Editors

This Special Issue highlights cutting-edge diagnostic advancements reshaping interventional oncology, focusing on minimally invasive, image-guided techniques that enhance cancer detection and characterization. Emerging modalities, such as contrast-enhanced ultrasound (CEUS), advanced MRI imaging and CT, and intraprocedural diagnostic modality to guide interventions, have enhanced the performance of tailored oncological treatment. Advanced imaging analytics, including AI-driven lesion segmentation and radiomics, along with AI-driven guidance for the treatment of tumoral lesions, are improving treatment response accuracy. Collectively, these tools empower interventional radiologists to tailor interventions, optimize biopsy strategies, and transform diagnostic paradigms for personalized oncology care.

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