

Special Issue

Application of Ultrasound in Cancer Diagnosis and Treatment

Message from the Guest Editors

Ultrasound technology has revolutionized the landscape of cancer diagnosis and treatment, offering a non-invasive, cost-effective, and widely accessible approach for clinicians and patients alike. By utilizing high-frequency sound waves, ultrasound enables real-time imaging of soft tissue structures, allowing for the detection and characterization of tumors that may not be visible on traditional x-rays. Its high-resolution capabilities together with the use of contrast agents facilitate precise measurement of tumor size, assessment of vascularity, and differentiation between benign and malignant lesions.

In clinical practice, ultrasound plays a pivotal role in guiding biopsies, ensuring accurate sampling and minimizing procedural risks. As research advances, ultrasound continues to expand its utility in oncology, supporting early detection, personalized treatment strategies, and improved patient outcomes. This Special Issue highlights the latest developments and future directions in the application of ultrasound for cancer care.

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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.

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