Special Issue

Updates on AI in Breast Imaging

Message from the Guest Editors

The aim of this Special Issue is to consolidate the latest research, advancements, and insights into the role of artificial intelligence in breast imaging. It will encompass a range of topics including, machine learning algorithms, deep learning techniques in mammography, ultrasound, MRI, and tomosynthesis, AI in risk prediction models, and the ethical implications of AI in clinical practice. It will also include the exploration of AI's impact on workflow optimization, diagnostic accuracy, patient outcomes, and the challenges in implementing AI tools in breast imaging practice. The Special Issue will seek contributions that offer the following:

- Original research on AI algorithms that enhance the detection and characterization of breast pathology.
- Discussions of the integration of AI in current breast imaging modalities, highlighting improvements and outcomes.
- Current state and future perspectives of AI applications in breast imaging.
- Examinations of the ethical, legal, and social implications of AI in the clinical setting, particularly in breast imaging.
- Analyses of the economic impact and cost-effectiveness of AI implementation in breast cancer screening and diagnosis.

Guest Editors

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Deadline for manuscript submissions

closed (31 July 2024)

Cancers

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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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