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Recent Advances in Breast Cancer Screening

Guest Editors:

Dr. Anna Rotili

Breast Imaging Division, IEO
European Institute of Oncology
IRCCS, Milan, Italy

Dr. Filippo Pesapane

Breast Imaging Unit, European
Institute of Oncology (IEO), 20141
Milan, Italy

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Message from the Guest Editors

Mammography is the screening test that can reduce breast cancer-related mortality. However, the consequent high proportion of false-negative and false-positive results reported, and the shortage of trained radiologists capable of interpreting these exams are just part of the screening management problem, leading to additional economical costs and inequalities between low- and high-income countries.

Recently, mammography optimized the lesion to background contrast with resultant improvement in the sensitivity of the technique for cancer detection, facilitated by computer-aided detection.

Advances in ultrasound also have the potential to improve the specificity of breast imaging with regard to cancer detection and lesion characterization.

Additionally, several studies indicate that MRI has a role in early diagnosis of high-risk patients.

Medical imaging and artificial intelligence technology have paved the way to a true personalized medicine. Clinicians are consistently re-evaluating their methods to provide a more personalized approach to breast cancer screening.

For this Special Issue, we are soliciting original studies, meta-analysis, reviews, pictorial review, and letters.



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Prof. Dr. Edgaras Stankevičius

Medical Academy, Lithuanian
University of Health Sciences,
Kaunas, Lithuania

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Medicina Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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