

# A survey on breast lesion segmentation in Ultra-Sound images and its assessment: A survey

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## Abstract

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## Introduction

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Breast cancer is the leading cause of cancer deaths among females worldwide. Nevertheless, death by breast cancer are highly reduced by early treatment. Thus, to run a chance of surviving breast cancer, it is uttermost important the early detection of malignant tumors. This has motivated the establishment of Breast Screening Policy Breast Screening Policies (BSPs) to facilitate this breast cancer detection at an early stage. Despite X-ray Digital Mammography (DM) is considered the gold standard technique for BSP, other screening techniques like Ultra-Sound and Magnetic Resonance Imaging are being investigated to overcome DM limitations due to tissue superposition which can either mimic or obscure malignant pathology, and avoid X-ray radiation all together.

## References