Abstract

Breast cancer is ranked second among the leading causes of death affecting females. Statistics have shown that one out of eight (12 %) women are affected by breast cancer in their lifetime. Mammography is the most effective strategy for breast cancer screening and can be used for the early detection of masses or abnormalities. Small clusters of micro calcifications appearing as a collection of white spots on mammograms show an early sign of
breast cancer. In digital mammography, electronic image of the breast is taken and is stored directly in a computer. However, early detection of breast cancer is dependent on both the radiologist's ability to read mammograms and the quality of mammogram images. The aim of this paper is to conduct a review of existing mammogram enhancement techniques. Each method will be discussed in brief and compared against other approaches.

References


Index Terms

Computer Science Image Processing

Keywords

Mammogram Enhancement Image Calcification Breast Mass Detection
Segmentation
Microcalcification Detection
Morphology
Wavelet Transform.