This paper proposes an approach for early diagnosis of breast cancer using high definition thermal imaging. Breast cancer is a common and dreadful disease in women. The advanced computer technology available today can be utilized to automate the analysis and assist in decision making. This paper attempts to identify the use of infrared thermal imaging or thermography of the breast as a non-invasive adjunctive diagnostic methodology for breast cancer. Thermal imaging, as a test of physiology can detect subtle changes in breast temperature that indicate a variety of breast diseases and abnormalities.

Reference


Index Terms

Computer Science
Informatics

Key words
Breast cancer
High definition thermal imaging
Thermography

Non-invasive
Adjunctive diagnostic methodology