Abstract

Automatic diagnosis of breast cancer is an important, that’s really real-world medical problem. This paper aims to describe an intelligent procedure based on fuzzy logic techniques and medical model to detect and diagnose Breast. The system has 7 input parameters and 1 output, in which the inputs are Age, Genetic Factor, Menarche Age, First Pregnancy, Menopause Age, Nutrition Habit, Life Style and the output parameter which is based on diagnosis risk degree. We have used Mamdani inference engine to deduce from the input parameters to stage the cancer.

References

Developing of Fuzzy Logic Decision Support for Management of Breast Cancer


20. F. Steimann, “Fuzzy set theory in medicine”, Artificial Intelligence in Medicine, Vol. 11,
Developing of Fuzzy Logic Decision Support for Management of Breast Cancer


Index Terms

Computer Science Fuzzy Systems

Keywords

Fuzzy Logic, Fuzzy Inference Systems(FIS), Breast Cancer, risk analysis.