

Mathematical and Statistic Method to Diagnostic of Metastasis Based on Radiology Images for Breast Cancer

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Abstract

One out of eight women face with the problem of breast cancer in her life. It is the second causes of women death in the world. Detection of breast cancer metastasis at the earliest stage is important to predict and control of breast cancer progression. It can spread to the different parts of the body, such as are the bone, liver, and lung and etc. How and where does the breast metastasis grow and migrate may open many questions to the radiologist and medical Scientifics. In this study, we discussed about the possibility of the breast metastasis to the other parts of the body and using statistic method we are able to estimate the frequency of metastasis from breast to the other parts. We have selected statistic method to this research and we studied over 200 patients (effected by breast cancer) using radiology image data. We save the history of the patient and gather all patient data in a table.

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