

عنوان مقاله:

Comparison of Magnetic Resonance Imaging (MRI) and Pathologic Findings in Patients with Breast Complaints

محل انتشار:

دهمین کنگره بین المللی سرطان پستان (سال: 1393)

تعداد صفحات اصل مقاله: 1

نویسندگان:

Elham Neshan - *Department of Radiology, Islamic Azad University, Tehran Medical Sciences Branch, Tehran, Iran*

Sara Bayesh - *Students' Research Committee, Islamic Azad University, Tehran Medical Sciences Branch, Tehran, Iran*

Reza Najibpour - *Students' Research Committee, Islamic Azad University, Tehran Medical Sciences Branch, Tehran, Iran*

Atieh Alimohammadi - *Students' Research Committee, Islamic Azad University, Tehran Medical Sciences Branch, Tehran, Iran*

خلاصه مقاله:

This study aims at the identifying relationship between Magnetic resonance imaging (MRI) and pathology results among women with breast cancer. The primitive diagnosis of breast carcinoma is based on mammography using X-Ray and due to low Specificity; it may lead to unnecessary biopsy. MRI compares to mammography enjoys the most sensitivity and specificity in diagnosing cancer pathology. Materials and methods: This was a cross-sectional study from January 2009 to 2010 in Athary Radiography center. The patients with Breast Imaging-Reporting and Data System (BI-RADS) 3, 4, 5 with no chemotherapy or biopsy before MRI were entered to the study. 139 pathology samples were studied. Data were analyzed with SPSS 18.0 statistical software. There were 24 (17.4%) malignant and 114 (82.6%) benign samples. In most of the pathology samples BI-RADS 4 was observed. In analyzing BI-RADS and pathology a significant relationship was observed ($p=0.5551$). There was the most relationship between descriptor and pathology of size, shape and internal enhancement. Discussion: MRI is a specific non-invasive technique which doesn't involve any radiation exposure and can detect breast lesions sometimes missed by mammography and clinical examination with low false positive results. Conclusion: Span of MRI descriptor diagnosis involves abroad field of sensitivity

کلمات کلیدی:

MRI- Pathology-Breast Cancer-Lesions

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