

The Possibility of Magnetic Resonance Mammography in the Differential Diagnosis of Breast Tumors in Young Women

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Abstract

Breast Magnetic Resonance Imaging (MRI) was performed to 103 young patients with breast tumors, detected by ultrasound. All patients underwent MR-mammography with intravenous contrast enhancement, followed by post-processing, construction of curves of accumulation and washout of contrast agent. BI-RADS scale was used to assess detected changes. The results confirm the high importance of MR-mammography in young women with dense breast background, especially in cases when the results of X-ray mammography and ultrasound studies do not put to final diagnosis.

Key words: Magnetic Resonance Mammography, Young Women, Breast Cancer, BI-RADS Scale.

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