

Digital Breast Tomosynthesis in Breast Cancer Diagnosis of the Patient with Extremely Breast Density (The Clinical Example)

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Abstract

The clinical example demonstrating the diagnostic possibilities of digital breast tomosynthesis of the patient with dense breast is presented. According to the full-field digital mammography, the patient had an extremely dense breast. A region of focal asymmetry was determined in the lower part of the left breast, category BI-RADS 3. The examination was supplemented with the digital breast tomosynthesis technique, according to which the node with characteristic of BI-RADS 5 was visualized in the left breast. Changes in the left breast tissue have been confirmed by ultrasound examination in B-mode (BI-RADS 4). After that, a stereotaxic core biopsy of the abnormal area was performed, followed by morphological verification, according to which the patient was verified with breast cancer (BI-RADS 6).

Key words: Breast Cancer, Breast Density, Digital Mammography, Digital Breast Tomosynthesis, Ultrasound Examination, Breast Core Biopsy.

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