

## Difficulties in the Differential Diagnosis of Late Posttraumatic Changes In Breast: a Clinical Case

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### Abstract

This clinical case demonstrating the difficulties of differential diagnosis of fat necrosis in a patient with a history of breast trauma. After digital mammography with the function of tomosynthesis in the «combo» mode, were found the changes, that were suspicious of breast cancer (BI-RADS 4b), but no direct signs of malignancy were detected by ultrasound (BI-RADS 3). Additionally, dual-energy contrast spectral mammography was performed, the results were categorized as BI-RADS 3. To exclude oncopathology, a core-biopsy under stereotactic guidance was performed. A morphological picture of the inflammatory-regenerative (fat necrosis) was obtained.

**Key words:** Fat Necrosis, Trauma, Mammography, Dual-energy Contrast-Enhanced Spectral Mammography.

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