

## Patterns of Breast Contrast Enhanced Ultrasound

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### Abstract

The aim of this study was to standardize the qualitative indicators of CEUS of breast lesions and determine the classification of patterns. The study involved 106 patients aged 21 to 75 years (mean  $\pm$  SD,  $46 \pm 12$  years) with different lesions of the breast. The maximum diameter of the lesions was 6–31 mm (mean  $\pm$  SD,  $18 \pm 7$  mm). In the course of the study, it was established that a CEUS with using classification of patterns increases the efficiency of ultrasound studies of breast lesions with sensitivity (96 %), specificity (97 %) and diagnostic accuracy (96 %). The developed classification of patterns can be easily applied in clinical practice.

**Key words:** Contrast Enhanced Ultrasound, Breast Cancer, Patterns of Breast Contrast Enhanced Ultrasound.

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