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### Immunohistochemical study of apoptosis marker p53 as a prognostic factor for breast cancer

#### Abstract

The increase of morbidity and invalidization frequency of patients with the breast cancer stipulates a necessity to find of the new diagnostic ways and prognostic markers with the aim for early diagnostic, optimization and individual way of therapy that will allow to improve the quality of life, patients physical and social rehabilitation. The analysis of results of histological research of operational materials from women of different age groups with the breast cancer with the subsequent immunohistochemistry (IHC) definition expression of mutation suppressor gene p53. Obtained data testify that IHC-research expression of mutation p53 correlate with high histological malignancy degree that proves need of the account apoptoziz in estimation of the malignant potential and defining breast cancer.

**Keywords:** breast, cancer, immunohistochemistry, suppressor gene p53, histological malignancy degree.

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