

The main aim of presented work was to contribute to clarify the significance of changes in expression of adhesion molecules and CD44 in the malignant behavior of urothelial carcinomas of the urinary bladder. The individual stages to meet this goal were:

2.1 Detailed determination of expression of CD44s and CD44v6 protein in urothelial carcinomas of the urinary bladder in relation to the degree of tumor differentiation.

2.2 Determine the relationship of CD44 protein expression changes depending on the characteristics histomorphologic urothelial carcinoma of the urinary bladder, and other indicators of biological behavior of tumor (proliferative activity, p53 expression).

2.3 Evaluation of expression of CD44s and CD44v6 protein in two phenotypically distinct cell lines, urothelial carcinomas (HT1197 and 5637) and determine relationships CD44 expression on morphological and growth characteristics of tumor cells of these lines.