



Abstract

Effects of Glucocorticoid Receptor Activation on the Expression of Intercellular Adhesion Regulatory Genes in Breast Cancer Cells In Vitro [†]

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Abstract: Combinations of anticancer chemotherapeutics with glucocorticoids (GCs) are usually used to broaden the therapeutic range of main cytostatic agents and to diminish the side effects of chemotherapy. However, long-term GC administration leads to tumor resistance and the promotion of metastasis. GC effects are mediated by the glucocorticoid receptor, which regulates gene expression via DNA-dependent transactivation associated with GC side effects and therapeutically important transrepression. We aimed to determine the molecular markers associated with the GC-stimulated motility and migration of breast cancer cells. We showed that GCs stimulate the invasion and metastasis of breast cancer cells after 120 h of treatment and determined markers of GC-associated adhesion loss.



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