Significance of detecting VEGF, Galectin-1 in cervical cancer

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View from specialist: It is creative, and of certain scientific and educational value.

[ABSTRACT] Objective: To discuss the value of the detective of VEGF, Galectin-1 in cervical cancer. Methods: Clinical data of cervical cancer tissues and the normal cervical tissues from 39 patients with cervical cancer received treatment at our was retrospectively analyzed. The different expressions of VEGF, Galectin-1 in two kinds of tissues were compared. The correlation between VEGF, Galectin-1 and pathological features of cervical cancer was discussed. Results: A total of 39 patients were retrospective analyzed. The positive expressions of VEGF, Galectin-1 in cervical cancer tissues were obviously higher than those in normal cervical tissues. The positive expressions of Galectin-1 in cervical cancer tissues had a positive correlation to the expression of VEGF. The positive expressions of VEGF, Galectin-1 in cervical cancer tissues had a remarkable correlation to differentiation degree of tissues, FIGO stages, lymph node metastasis. The lower the differentiation degree of tissues was, the higher FIGO stages was and lymph node metastasis, accordingly, the higher the positive expressions of VEGF, Galectin-1 were. Conclusion: VEGF, Galectin-1 had a close correlation to the occurrence and development of cervical cancer.

[KEY WORDS] Cervical cancer, Vascular endothelial growth factor, Galectin-1