

عنوان مقاله:

The Role Of EpCAM In Cancer Progression

محل انتشار:

دومین سمپوزیوم بین المللی سرطان نسترن (سال: 1395)

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خلاصه مقاله:

Cancer is one of the important causes of death in the world. The main cause of death in cancer is invasion and metastasis. Tumor invasion and metastasis is a complex process and continuous and include multiple steps like Set at the cellular level by cell adhesion molecule (CAM), catabolic enzyme protein, growth factor and various factor of angiogenesis. Ig, CAM, the immunoglobulin super family is a large group of cell surface and soluble protein that are involved in the recognition, binding or adhesion process of cell. One CAM is EpCAM (epidermal cell adhesion molecule) that involvement in tumor progression. EpCAM is glycoprotein with the weight of (40KDa) that known as a marker for cancer. EpCAM effects of not sticking include multiple signaling process and migration, proliferation and differentiation. EpCAM expression is associated with age, tumor site, tumor size, metastasis, lymph node. EpCAM expression in esophageal cancer, pancreas, colon, gastric and prostate cancer. Expression of EpCAM is an independent prognostic factor. EpCAM, CD326 is ecological potential inhibition in multiple tumor. It is encoded by TACSTD1. Recently EpCAM to become interested in the study because it is a signal converter and is a potential marker for the onset of cancer cells. EpCAM also known as KSA, ESA, 17-1A, and GAV33-2. Conclusion: EpCAM have biological role in tumor development and progression. As a cell adhesion molecule EpCAM mediated cell adhesion is hemophilic as a result of metastasis prevent. The overexpression in colorectal cancer cells inhibiting tumor metastasis and invasion. Retells EpCAM inhibits migration and invasion promote inflammation and the innate immune response. EpCAM is dual role in tumor development and should be planning

کلمات کلیدی:

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