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Clusterin在大肠癌组织中的表达及其与临床病理特征的关系 [点此下载全文](#)

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摘要:

目的: 观察凋亡抑制因子Clusterin在大肠癌组织中的表达及其与大肠癌发生、发展的关系。方法: 收集广东医学院附属医院临床资料完整的大肠癌术后标本58例(其中直肠癌32例, 结肠癌26例), 采用免疫组织化学SP法检测大肠癌组织、癌旁组织和正常大肠组织中Clusterin的表达情况, 流式细胞术检测大肠癌组织中肿瘤细胞凋亡的情况。结果: Clusterin在大肠癌组织中的阳性表达率明显高于大肠癌癌旁组织和大肠正常组织 ( $P < 0.05$ ); Clusterin在大肠癌组织中的阳性表达与肿瘤的分化程度、Dukes分期和淋巴结转移密切相关 ( $P < 0.05$ ); 大肠癌组织中肿瘤细胞凋亡与淋巴结转移和临床分期密切相关 ( $P < 0.05$ ); Clusterin蛋白的阳性表达与大肠癌组织的细胞凋亡之间呈明显负相关 ( $r = -0.381$ )。结论: Clusterin的抗凋亡机制在大肠癌发生、发展中可能起着重要的促癌生长作用。

关键词: [Clusterin](#) [大肠癌](#) [凋亡](#)

Expression of Clusterin in colorectal cancer tissues and its relationship with clinicopathological properties [Download Fulltext](#)

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Abstract:

Objective: To observe the expression of Clusterin in colorectal cancer tissues and study its relationship with the development and progression of colorectal cancer. Methods: Fifty eight colorectal cancer tissues samples (32 rectal cancer tissues, 26 colon carcinoma tissues) of patients with completed clinic data were obtained after surgery from the Affiliated Hospital of Guangdong Medical College. Immunohistochemical staining (SP method) was used to detect the expression of Clusterin in colorectal cancer tissue, adjacent normal tissue of colorectal cancer and normal tissue. Flow cytometry was used to examine the apoptosis of colorectal cancer cells. Results: The expression of Clusterin in colorectal cancer tissues was significantly higher than those in the adjacent tissues of colorectal cancer and normal colorectal tissue ( $P < 0.05$ ); besides, the expression of Clusterin in the colorectal cancer tissue was correlated with the differentiation, Dukes stages and lymphatic metastasis of colorectal cancer. Apoptosis of colorectal cancer cells was found correlated with the clinical stage and lymphatic metastasis; Clusterin expression in colorectal cancer tissue was negatively correlated with apoptosis of colorectal cancer cells ( $r = -0.381$ ,  $P < 0.05$ ). Conclusion: Clusterin may play important roles in the development and progression of colorectal cancer by inhibiting apoptosis of tumor cells, which may pave a way for immunotherapy of colorectal cancer.

Keywords: [clusterin](#) [colorectal neoplasms](#) [apoptosis](#)

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