

عنوان مقاله:

Genetic alterations of CDX \backslash , CYLD and CDKN \updownarrow B genes in CRC

محل انتشار:

مجله سرطان شناسی و علوم پزشکی، دوره 1، شماره 1 (سال: 1400)

تعداد صفحات اصل مقاله: 10

نویسندگان:

Seyed Mohammad Taghi Hamidian - Babol University of Medical Sciences, Department of Gastroenterology, Babol, Iran

Rezvan Azadi - Shahid Beheshti University of Medical Sciences, Department of Medicine, Tehran, Iran

Pooya Rostami - New York University, Londgone Medical Center, Brooklyn, NY, USA

Farnaz Azar Shabe - New York University, Londgone Medical Center, Brooklyn, NY, USA

Zeynab Khazae Kohparc - New York University, Londgone Medical Center, Brooklyn, NY, USA

خلاصه مقاله:

Introduction: Colorectal cancer (CRC) is the third most frequent type of cancer in the world. In this explanation, genetic variation is associated in all cancers, particularly CRC, and modifications of numerous genes, such as CDX \backslash , CYLD, and CDKN \updownarrow B, are linked to tumorigenesis in CRC. As a result, this research was conducted in order to determine changes in the expression of these genes. Materials and Methods: Specimens of CRC from 72 individuals with confirmation of pathology report, were provided and bought from the Bio banks. Real-time PCR was used to examine the expression of CDX \backslash , CYLD, and CDKN \updownarrow B genes in tumoral and non-tumoral tissues. These genes' histological associations with grading and staging for upregulation and downregulation were examined. Result: The expression of CYLD ($P = 0.08$) and CDKN \updownarrow B ($P = 0.02$) were upregulated significantly, but the CDX \backslash ($P = 0.03$) gene expression was decreased. Correspondingly, there was no significant association between CDX \backslash downregulation and CDKN \updownarrow B upregulation with grade, stage, lymph-node metastasis ($P = 0.02$) and distant metastasis. Moreover, the CYLD expression was also significantly associated with high grade ($P = 0.03$), high stage ($P = 0.03$), lymph-node metastasis ($P = 0.05$) and distant metastasis ($P = 0.05$). Conclusion: The upregulation of CYLD and CDKN \updownarrow B genes and downregulation of CDX \backslash gene in tumoral tissues were impressive. Conclusively, the alteration of these genes expression can be considered as a colorectal cancer biomarker.

کلمات کلیدی:

Colorectal cancer, CDX \backslash , CYLD, and CDKN \updownarrow B genes, Alterations

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/1546405>

