

عنوان مقاله:

SIRT \backslash and Lnc-OC \backslash Expression in Breast and Colorectal Cancers

محل انتشار:

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نویسنده:

Fatemeh Javani Jouni - \backslash . Department of Biochemistry and Biophysics, Faculty of Advanced Sciences and Technology, Tehran Medical Sciences, Islamic Azad University, Tehran, Iran

خلاصه مقاله:

Background: The SIRT \backslash gene is involved in many physiological activities of the body, including inflammation, innate and acquired immune system responses, neurodegeneration, age-related disorders, life-span extension, obesity, and heart disease. But its role in cancer is not yet fully understood. Considering the possible role of Lnc-OC \backslash in the regulation of SIRT \backslash and tumorigenesis, this study was designed and performed to evaluate the expression of SIRT \backslash and Lnc-OC \backslash genes in patients with breast and colorectal cancer. Methods: In this case-control study, during September 2018 to July 2021, 84 patients (47.61% \leq 60 years, 52.38 > 60 years) with breast cancer and 59 patients (42.37% \leq 60 years, 57.62 > 60 years) with colorectal cancer confirmed by pathological findings and the expression of SIRT \backslash and Lnc-OC \backslash were assessed using Quantitative real-time PCR. Results: In colorectal cancer, it appears that increasing the expression of Lnc-OC \backslash , decreased the expression of SIRT \backslash . The expression of Lnc-OC \backslash gene in patients with breast and colorectal cancer has increased compared to normal tissue. The expression of SIRT \backslash in patients with breast cancer increased significantly compared to normal tissues, but decreased in patients with colorectal cancer. Conclusion: The results showed that Lnc-OC \backslash could be used as an early diagnosis for colorectal cancer by reducing SIRT expression, and the expression of these two genes could be used to assess the prognosis for breast cancer.

کلمات کلیدی:

SIRT \backslash , Lnc-OC \backslash , Breast cancer, Colorectal Cancers

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