

عنوان مقاله:

Studying the effect of the cyanobacter extract on explanation of the caspase 9 gene in 4tl cancer cells of breast cancer through Real Time PCR

محل انتشار:

سیزدهمین کنگره بین المللی سرطان پستان (سال: 1396)

تعداد صفحات اصل مقاله: 1

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خلاصه مقاله:

Introduction: Breast cancer is the most common cancer and the second reason in cancer death in women around the world. Chemotherapy faces limitations because of the side effects, poisonousness and the drug resistance. So, using the methods and the new resources are considered. Cyanobacteria hold effective combinations against the cells death procedure in cancer cells and are the new hope hole as a new resource in breast cancer treatment. In this study, the effect of the cyanobacter on cyanobacter extract on explanation of the caspase 9 gene in 4tl cancer cells of breast cancer is analyzed. **Materials and Methodology:** Breast cancer cells were treated by Oscillatoria extract of 0.096, 0.45, 1.30, 2.0, 5, 19 and 15 mg/ml densities. The effect of the cells extracts on the cells was tested via MTT Assay Test. Also, the caspase 9 gene is a protease special to the Aspartic Acid which is related to the Mitochondrial Death process and is activated in the cell programmed death process but it faces alterations and mutation in cancer cases and the alterations of this gene are analyzed through PCR Real Time. **Findings:** The results of this research show that the increase in the Oscillatoria extract density led to decrease of the number of the living cancerous cells and showed a meaningful difference in comparison to the control samples. Also, the results of Real Time PCR showed that the explanation of Caspase 9 gene in 18 to 24 hours increased in comparison to the control samples meaningfully. **Conclusion:** According to the findings of the research about the ,cyanobacter extract on explanation holds .(anti-cancer effects on the breast cancer cells (4t1

کلمات کلیدی:

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