

## عنوان مقاله:

Study of the Expression of miR-4270 in Plasma of Patients with Breast Invasive Ductal Carcinoma

## محل انتشار:

مجله منابع ژنتیک, دوره 4, شماره 2 (سال: 1397)

تعداد صفحات اصل مقاله: 5

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## خلاصه مقاله:

Detection of tumor-specific microRNAs (miRs) in the blood of cancer patients may provide a unique and valuable biomarker for diagnosis and prognosis. The aim of this study was to investigate whether plasma levels of microRNA-4270 could serve as a potential marker for breast invasive ductal carcinoma. A total of 40 breast cancer patients and 28 controls were recruited in this study. Total RNA was extracted from plasma samples and miR-4270 expression was evaluated by real-time polymerase chain reaction (PCR). The correlation between miR-4270 expression and clinicopathological characteristics were also studied. Our data showed that plasma miR-4270 is significantly up-regulated in patients compared to control group ( $P$ -value=0.00). In addition, data analysis illustrated a correlation between low plasma levels of miR-4270 and larger tumor size, lymph node metastasis and higher stages of malignancy ( $P$ -value > 0.05). The area under the curve of the ROC revealed that miR-4270 expression was not able to distinguish between tumor plasmas and nontumoral specimens. Current work shows preliminary data on the expression profile of miR-4270 in plasma of breast cancer patients. However, further studies are required to fully elucidate the role of circulating miR-4270 in breast ductal carcinoma.

## کلمات کلیدی:

Circulating microRNA, miR-4270, Breast cancer, Real-Time PCR

## لینک ثابت مقاله در پایگاه سیویلیکا:

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