

عنوان مقاله:

Overexpression of serum MicroRNA-140-3p in premenopausal women with newly diagnosed breast cancer

محل انتشار:

چهاردهمین کنگره بین المللی سرطان پستان (سال: 1397)

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خلاصه مقاله:

Introduction & Aims: The purpose of the present study was to evaluate microRNA-140-3p expression level in breast cancer patients in comparison to healthy controls. **Methods:** Serum microRNA-140-3p level was quantified by real-time quantitative reverse transcription PCR in 40 women with breast cancer and 40 healthy subjects. **Results:** Serum microRNA-140-3p level in patients compared to healthy subjects was significantly up-regulated ($p=0.01$). MicroRNA-140-3p had a good diagnostic accuracy for discrimination of the two groups ($AUC=0.667$; sensitivity=70%; specificity=50%). Serum microRNA-140-3p level was overexpressed in premenopausal patients who were ≤ 48 years old. ROC curve showed a similar pattern again ($AUC=0.690$; sensitivity=73%; specificity=50%). **Conclusions:** microRNA-140-3p has the potential for detection of breast cancer, especially in premenopausal (≤ 48 years old) women.

کلمات کلیدی:

.microRNA-140-3p; microRNA; breast cancer; real time-PCR

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