

عنوان مقاله:

miRNAS' Role In Endometrial Cancer: Diagnosis And Prognosis

محل انتشار:

فصلنامه بین المللی تحقیقات پزشکی، دوره 11، شماره 4 (سال: 1401)

تعداد صفحات اصل مقاله: 8

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خلاصه مقاله:

Background: Today the discussion of microRNAs (miRNAs) and their expression patterns in cancers, is a new and widely discussed topic in oncology. miRNAs are involved in biological processes and their irregular expression has been observed in many diseases and cancers, including colon cancer, ovarian cancer, and endometrial cancer. Here we review the miRNAs' role in endometrial cancer. Methods: this was a narrative review of the literature. Results: Our review highlighted the pathological roles of the MicroRNAs in endometrial cancer. miRNAs regulate a large number of cancer-inhibitory genes and oncogenes of endometrial cancer as well as the PTEN gene. This pathological knowledge is used in clinical era to determine the MicroRNAs linked with the diagnosis of the endometrial cancer; while as there are numerous numbers of miRNAs, many studies have proposed panels of miRNAs that indicate the diagnosis of cancer and single miRNAs are less introduced in literature. But more evidence supports the mir-18a and Let-V family for diagnosis of endometrial cancer. Some other studies have investigated the miRNAs that can predict the prognosis of the endometrial cancer and we categorized the findings of these studies to good and poor prognostic miRNAs. Conclusion: To conclude, there seems to be potential diagnostic value in application of the miRNAs in endometrial cancer, while more critical review and pooled results are needed to draw a firm conclusion for wide clinical application.

کلمات کلیدی:

miRNAs, endometrial cancer, mir-18a, PTEN

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