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عنوان مقاله:

Prediction of probable impact of miR-TYa and miR-TYA a

محل انتشار:

مجله دانشگاه علوم پزشكي شهركرد, دوره 21, شماره 6 (سال: 1398)

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## خلاصه مقاله:

Background and aims: miRNAs, as a class of non-coding RNAs, take part in different cellular processes. Dysregulation of different miRNAshas been reported in numerous disorders to date. Multiple sclerosis (MS) is an autoimmune disease with high prevalence in Iran and Th\vcells play an important role in its pathogenesis. In the current study, we aimed to predict the possible role of miR-\text{9} and miR-\text{9} and miR-\text{9} in the process of controlling Th\v differentiation, and hence, their possible impact on the onset and progression of MS.Methods: We investigated probable interactions of miRNAs and genes that participate in Th\v cells differentiation using miRwalk databaseas an integrative one which utilizes \(\cdot\) different algorithms to predict miRNA-mRNA interaction. Results: Based on our findings, miR-\text{9} and miR-\text{9} were predicted to have a potential role in the induction of Th\v cells differentiation. Conclusion: Conclusively, miR-\text{9} and miR-\text{9} may up-regulate Th\v cells of MS patients. Since bioinformatics data have shown that these miRNAs suppress negative regulatory genes in Th\v cells differentiation, we suppose that down-regulation of these miRNAs couldameliorate MS symptoms. Therefore, several therapeutic approaches may be considered for these miRNAs besides their application asvaluable prognostic/diagnostic biomarkers in detection of various stages of MS

كلمات كليدى:

Multiple sclerosis, miRNA, Th\V cells

لینک ثابت مقاله در پایگاه سیویلیکا:

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