## عنوان مقاله:

Study of moz histone acetyltransferase gene expression in colorectal cancer

## محل انتشار:

سومین سمپوزیوم بین المللی سرطان نسترن (سال: 1396)

تعداد صفحات اصل مقاله: 1

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## خلاصه مقاله:

Monocytic leukemia zinc finger protein (MOZ) is one of the important histone acetyltransferases that has an effective role in gene expression. It is an important partner in chromosomal rearrangement thatusually occurs in hematological malignancy such as leukemia. Another than these malignancies, its role in solid tumors has been reported. In the present study, we aimed to quantify of MOZ mRNAexpression in colorectal cancer tissues from North West of Iran population using real-time PCR assay. Tumorous and non-tumorous specimens recruited from patients. mRNA extraction and cDNAsynthesis were performed from these tissues using commercial kits, at the next step Real-time polymerase chain reaction carried out. Finally, expression levels were statistically analyzed. The resultsshowed high expression of MOZ in majority of colorectal cancer tissues compared to normal colorectal tissues (p=0.04). In conclusion our data showed that dysregulation of MOZ is potentially involved in pathogenesis of colorectal cancer and we could suggest that there is straight relationship between tumor formation and MOZ gene expression. These results showed possible role of MOZ as prognostic factor.

## کلمات کلیدی:

Colorectal Cancer, Blood Cancer, Gene and Cancer, Cancer Genetics, Solid Tumors