

## عنوان مقاله:

Mutations in pre-core and basal-core promoter regions of hepatitis B virus in chronic HBV patients from Golestan, Iran

## محل انتشار:

مجله علوم پایه پزشکی ایران، دوره 17، شماره 5 (سال: 1393)

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## خلاصه مقاله:

**Objective(s):** It has been reported that the mutation of the pre-core (PC) and basal-core promoter (BCP) may play an important role in the development of HBV-related hepatocellular carcinoma (HCC). In this study the PC and BCP mutations were investigated in chronic HBV patients. **Materials and Methods:** In this study, 120 chronic HBV patients from Golestan, Northeast of Iran who were not vaccinated against HBV, were recruited from the year 2008 to 2012. HBV-DNA extraction from plasma and PCR were performed and positive PCR products were subjected to automated sequencing. **Results:** One hundred out of 120 (83.3%) patients were HBeAg negative. Comparison of our nucleotide sequences with reference sequence showed high rate mutation in BCP and PC region (96.66%). Frame shift mutation was found in 78 (65%) of patients in BCP region, among them 8 (6.6%) patients showed mutation in PC region. **Conclusion:** Our results demonstrated high rate of mutations in BCP and PC regions among HBV chronic patients in Northeast of Iran.

## کلمات کلیدی:

BCP mutation, Hepatitis B, Iran, PC mutation

## لینک ثابت مقاله در پایگاه سیویلیکا:

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