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Key role of HBV mutation ¹⁷ in chronic hepatitis B development to hepatocellular carcinoma

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Abstract

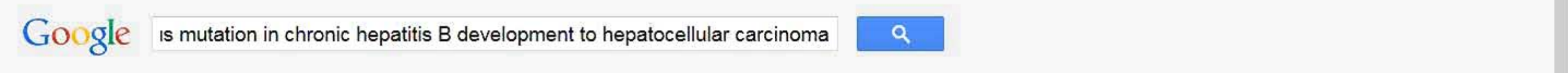
Chronic hepatitis B virus (HBV) infection is a major risk factor of hepatocellular carcinoma (HCC). The HBV mutation which included point mutation, deletion, insertion, truncation mutation of HBV gene in 4 open reading frame(S, C, P, X) are closely associated with HCC pathogenesis. Some mutations accumulated during chronic HBV infection and could be regarded as a biomarker to predict occurrence of HCC. The detection of the mutations in clinical practice could be more helpful for defining better preventive and therapeutic strategies, moreover predicting the progression of liver disease.

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