

## Importance of hepatitis C as a risk factor for hepatocellular carcinoma in Guangxi

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### Abstract

**AIM:** To examine hepatitis C in hepatocellular carcinoma in most endemic area, Guangxi, China.

**METHODS:** Immunohistochemistry was performed on formalin fixed, paraffin embedded tissue sections. A total 202 specimens were analysed from the high, intermediate and low HCC prevalent regions

of Guangxi.

**RESULTS:** The distribution of positive hepatitis C cases from high, intermediate and low regions was respectively 24/63 (38%), 23/62 (37%) and 30/77 (39%), with a total of 77/202 (38.12%).

**CONCLUSION:** Hepatitis C virus is an important risk factor in the development of hepatocellular carcinoma, but the regional difference in prevalence of this cancer is more likely influenced by hepatitis B viral infection and aflatoxin B1 exposure. In Guangxi, infection of hepatitis B and C virus in the development of hepatocellular carcinoma may be greatly enhanced by exposure to aflatoxin.

**Key words:** Hepatitis C; Hepatoma; Risk factor; Immunohistochemistry; Gene, *p53*; Antibodies, monoclonal; Mutation

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