

The epidemiologic feature of HCV prevalence in Fujian

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Abstract

AIM: To investigate the epidemiological features of HCV prevalence, a seroepidemiological survey on HCV infection has been carried out in Fujian since 1992.

METHODS: Using stratified multistage random cluster sampling, 3809 serum samples collected from 1237 families in the diseases

surveillance points were tested by UBI HCV EIA kit.

RESULTS: The results showed that the prevalence rate was 3.99%. The rate in male and female was 3.63% and 4.25%, and in urban and rural 3.12% and 4.6% respectively ($P > 0.05$). There was lower rate in children aged under 10 years. The highest rate was in 20-24 years old. The rates in different areas were ranged from 1.39% to 6.08% ($P < 0.05$). The intrafamilial transmission was not important, indicating no intrafamilial aggregation. The superinfection of HCV with HAV, HBV and HEV were existed. The HCV infection was slightly correlated with the history of hepatitis and transfusion.

CONCLUSION: It suggests that the HCV transmission among the population in Fujian is mainly sporadic infection.

Key words: Hepatitis C virus/epidemiology; Seroepidemiologic methods; Incidence; Superinfection; Hepatitis C; Hepatitis A virus; Hepatitis B virus; Hepatitis E virus

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