



## The epidemiologic feature of HCV prevalence in Fujian

Ling-Fen Li, Yong Zhou, Sheng Xia, Li-Lai Zhao, Zi-Xin Wang, Cheng-Qin Wang

Ling-Fen Li, Yong Zhou, Sheng Xia, Li-Lai Zhao, Zi-Xin Wang, Cheng-Qin Wang, Fujian Institute of Epidemiology, Fuzhou 350001, Fujian Province, China

Author contributions: All authors contributed equally to the work.

Supported by The Scientific Research Foundation of Commission of Science and Technology in Fujian, No. 91-z-35.

Correspondence to: Dr. Ling-Fen Li, Fujian hygiene and epidemic prevention center, 5 Zhong Junhou, Nangyin, Gulou, Fuzhou 350001, Fujian Province, China  
Telephone: +86-591-7519604  
Fax: +86-591-7533291

Received: December 22, 1999  
Revised: February 23, 2000  
Accepted: May 10, 2000  
Published online: September 15, 2000

### Abstract

**AIM:** To investigate the epidemiological features of HCV prevalence, a seroep-idemiologica 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

© The Author(s) 2000. Published by Baishideng Publishing Group Inc. All rights reserved.

Li LF, Zhou Y, Xia S, Zhao LL, Wang ZX, Wang CQ. The epidemiologic feature of HCV prevalence in Fujian. *World J Gastroenterol* 2000; 6(Suppl3): 137  
Available from: URL: <http://www.wjgnet.com/1007-9327/full/v6/iSuppl3/137.htm> DOI: <http://dx.doi.org/10.3748/wjg.v6.iSuppl3.137>

E- Editor: Zhang FF



Published by **Baishideng Publishing Group Inc**

8226 Regency Drive, Pleasanton, CA 94588, USA

Telephone: +1-925-223-8242

Fax: +1-925-223-8243

E-mail: [bpgoffice@wjgnet.com](mailto:bpgoffice@wjgnet.com)

Help Desk: <http://www.wjgnet.com/esps/helpdesk.aspx>

<http://www.wjgnet.com>

