

Investigation of serum anti-HpIgG and stomach mucosa *Helicobacter pylori* at Tibetan altitude

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Abstract

AIM: To determine the effects of measuring serum anti-HpIgG in high altitude Hp infection.

METHODS: The serum anti-HpIgG was measured by a ELISA and the stomach mucosa Hp was investigated in MB staining. The results were compared.

RESULTS: Of 542 healthing donors, both 198 serum anti-HpIgG and 187 stomach mucosa Hp were positive; compared with these 398 serum anti-HpIgG and 402 stomach mucosa Hp were positive in the stomach disease group. The differences of two groups were not significant ($P > 0.05$) and the false positive/negative was a little.

CONCLUSION: These results suggest that a synergistic measurement of both serum anti-HpIgG and stomach mucosa Hp were important steps in determining of high altitude Hp infection.

Key words: Gastric mucosa/microbiology; *Helicobacter pylori*/immunology; IGG/analysis

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