

## Diagnostic value of CagA IgG in the process to eradicate *Helicobacter pylori*

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Presented at The 1<sup>st</sup> Chinese Congress of new found Infectious disease, Fuzhou, 13-17 October, 1997

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Received: May 19, 1999  
Revised: January 24, 2000  
Accepted: March 18, 2000  
Published online: September 15, 2000

### Abstract

**AIM:** To investigate the diagnostic value of CagA IgG in serum.

**METHODS:** Seventy three patients with peptic ulcer infected with *Hp* were eradicated by antibiotics therapy. At pretreatment, wk 9 and wk 20 after treatment, the detection of *Hp* in gastric mucosa by bacteriologic method were performed, and CagA and whole-cell antigen of *Hp* IgG in serum by ELISA method were also performed at the same time.

**RESULTS:** The IgG titres of *Hp* CagA and whole-cell antigen changes in accordance with the efficacy of *Hp* eradicated. The former with an earlier appearance and a greater number of cases decreased to normal level in comparison with the latter.

**CONCLUSION:** CagA IgG is a better index for observing the effectiveness of the eradication of *Hp*.

**Key words:** *Helicobacter pylori*; Antibiotics; Gastric mucosa; Serodiagnosis; CagA; IgG

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Yang ZB, Wang PL, Gu MM, Chen LH, Chen Q, Zhan L. Diagnostic value of CagA IgG in the process to eradicate *Helicobacter pylori*. *World J Gastroenterology* 2000; 6(Suppl 3): 118 Available from: URL: <http://www.wjgnet.com/1007-9327/full/v3/iSuppl3/118.htm> DOI: <http://dx.doi.org/10.3748/wjg.v3.iSuppl3.118>

E- Editor: Hu S



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