



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

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### 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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