

Authors reply: *cagE* as a biomarker of the pathogenicity of *Helicobacter pylori*

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Dear Editor,

We read with great interest the comments made by Drs. Nawfal R. Hussein and Rawand Al-Qadi regarding our results presented in the article entitled “*cagE* as a biomarker of the pathogenicity of *Helicobacter pylori*.” We agree that *H. pylori* infection should be viewed as multifaceted process, where the environment, host, and microorganism play specific roles in determining asymptomatic infection, colonization, or gastric disease.

In the above-mentioned study, we showed that *cagE*, a member of the *cag* pathogenicity island, is one more biomarker

that should be considered to best understand the relationship between the microorganism and the host.

Although others authors¹⁻³ had found similar results, we think that geographic factors (environment and host) have important roles in determining what biomarkers are more significant in each location.

CONFLICT OF INTEREST

The author declare that there is no conflict of interest.

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