

Response to the reviewers,

Please find enclosed the edited manuscript in Word format (file name: **29627**-revised version.doc).

Title: Role of *dupA* in virulence of *Helicobacter pylori*

Authors: Amin Talebi Bezmin Abadi*, Guillermo Perez-Perez

Name of Journal: *World Journal of Gastroenterology*

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The manuscript has been improved according to the suggestions of reviewers.

Reviewer 03010025:

- 1- This review by Abadi and his colleague summarized the role of *dupA*, an *H pylori* virulence factor, in disease process. This paper showed the importance of having more research investigating the role of *H pylori* virulence factor and their roles in disease pathogenesis. Because it is a review paper, there are some missing references that might help increasing the strength of the discussion. Therefore, I have the following comments
Virulence of *H pylori*
- 2- The authors stated that the definition of a virulence factors is referring to the ability of a bacterium on the severity of disease The definition needs more clarifications; I would reword it with a clearer definition. Also, as long as virulence factors are mentioned, *cagA* and *vacA* must be mentioned, only one paragraph for each. There is a good review article by JC Atherton (Annu Rev Pathol. 2006; 1; 63-96) that might be helpful.
- 3- *dupA* The authors stated that Therefore, among most of Asian countries, a significant association between disease development and *dupA* status can be observed Some studies are missing and the author should include them in his review including Prevalence of *Helicobacter pylori* *cagA*, *babA2*, and *dupA* genotypes and correlation with clinical outcome in Malaysian patients with dyspepsia Osman et al published in Turkish journal of Med sci A study by Hussein et al comparing Iraqi samples and Iranian samples is missing here (Journal of clinical microbiology 46 (5), 1774-1779). *Helicobacter pylori* virulence genes in the five largest islands of Indonesia by Miftahussurur et al published in Gut pathogen
- 4- The authors stated that Antral induction of IL-8 production is a main character of *dupA* pathogenesis causing predominant gastritis The author should elaborate more about the role of *dupA* in IL8-secretion. One helpful paper is published by Hussein et al Infection and immunity 80 (8), 2971-2972
- 5- Conclusion remarks The authors stated that Interestingly, the presence of *dupA* was significantly associated with *H. pylori* eradication failure with no biologic explanation