

ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

ESPS manuscript NO: 29627

Title: Role of dupA in virulence of Helicobacter pylori

Reviewer's code: 03010025

Reviewer's country: Iraq

Science editor: Ze-Mao Gong

Date sent for review: 2016-08-24 17:04

Date reviewed: 2016-08-25 18:28

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	Google Search:	<input type="checkbox"/> Accept
<input checked="" type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> The same title	<input type="checkbox"/> High priority for publication
<input type="checkbox"/> Grade C: Good		<input type="checkbox"/> Duplicate publication	
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> Plagiarism	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade E: Poor	<input type="checkbox"/> Grade D: Rejected	<input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Minor revision
		BPG Search:	<input type="checkbox"/> Major revision
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input checked="" type="checkbox"/> No	

COMMENTS TO AUTHORS

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 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.

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



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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 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 Conclusion remarks The authors stated that Interestingly, the presence of dupA was significantly associated with *H. pylori* eradication failure with no biologic explanation The association of dupA and clarithromycin resistance was studied before by Hussein et al (New microbes and new infections 6, 5-10). This should be involved and commented on.

ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

ESPS manuscript NO: 29627

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

Reviewer's code: 00039368

Reviewer's country: Estonia

Science editor: Ze-Mao Gong

Date sent for review: 2016-08-24 17:04

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CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input checked="" type="checkbox"/> Grade A: Priority publishing	Google Search:	<input checked="" type="checkbox"/> Accept
<input checked="" type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> The same title	<input type="checkbox"/> High priority for publication
<input type="checkbox"/> Grade C: Good		<input type="checkbox"/> Duplicate publication	
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> Plagiarism	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade E: Poor		<input checked="" type="checkbox"/> No	<input type="checkbox"/> Minor revision
	<input type="checkbox"/> Grade D: Rejected	BPG Search:	<input type="checkbox"/> Major revision
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input checked="" type="checkbox"/> No	

COMMENTS TO AUTHORS

This is a very well and fluently written mini review paper concerning the role of dupA in virulence of *H. pylori*. The author specified in detail the main virulence factors of *H. pylori* and point special attention to importance of newly described virulence factor dupA in pathogenesis of duodenal ulcer and its association with *H. pylori* eradication failure. The author have reviewed and analyzed sufficient amount of literature (52 references) and give the extensive overview about the present knowledge concerning duodenal ulcer promoting gene A.

ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

ESPS manuscript NO: 29627

Title: Role of dupA in virulence of Helicobacter pylori

Reviewer's code: 03474938

Reviewer's country: Mexico

Science editor: Ze-Mao Gong

Date sent for review: 2016-08-24 17:04

Date reviewed: 2016-09-09 02:54

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	Google Search:	<input type="checkbox"/> Accept
<input type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> The same title	<input type="checkbox"/> High priority for publication
<input type="checkbox"/> Grade C: Good		<input type="checkbox"/> Duplicate publication	
<input checked="" type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> Plagiarism	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade E: Poor	<input type="checkbox"/> Grade D: Rejected	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Minor revision
		BPG Search:	<input checked="" type="checkbox"/> Major revision
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input checked="" type="checkbox"/> No	

COMMENTS TO AUTHORS

The report is a review of gene dupA which belongs to the zone of plasticity of the genome of Helicobacter pylori. Although it described about of this gene and its role in virulence, the review does not address epidemiological aspects of their frequency in child population compared with adult population, I dont know if whether there is enough information or simply mentioning that no information exist. So too the fact belong to the set of genes that make up the area of plasticity is not mentioned if there is information about the association DupA with other virulence genes or with other genes of the plasticity zone itself. So I suggest to include more information in relation to: Prevalence in children and adults, association DupA presence of other virulence genes or with genes plasticity zone. For example Romo-Gonzalez et al.,2015. They conducted a study on the presence of genes of the plasticity zone H. pylori strains from children and also show the prevalence of dup A in this population.

ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

ESPS manuscript NO: 29627

Title: Role of dupA in virulence of Helicobacter pylori

Reviewer's code: 00053556

Reviewer's country: Egypt

Science editor: Ze-Mao Gong

Date sent for review: 2016-08-24 17:04

Date reviewed: 2016-09-02 21:33

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	Google Search:	<input type="checkbox"/> Accept
<input type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language	<input type="checkbox"/> The same title	<input type="checkbox"/> High priority for
<input type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Duplicate publication	publication
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	<input type="checkbox"/> Plagiarism	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade E: Poor	language polishing	<input type="checkbox"/> No	<input type="checkbox"/> Minor revision
	<input type="checkbox"/> Grade D: Rejected	BPG Search:	<input type="checkbox"/> Major revision
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input type="checkbox"/> No	

COMMENTS TO AUTHORS

Comments to the Editor: Thanks for inviting me to review the review article entitled "Role of dupA in virulence of Helicobacter pylori". Minor Comment: ? Minor editing revision is required. ? Language level: B. Revision is needed in term of grammar and structure. 1. TITLE Reflect the major content of the article. 2. ABSTRACT partially fulfill the journal requirements. Conclusion is missing and is better to be added. 3. TEXT: The section is almost well organized and the overall theoretical analysis concerning the provided topic is nearly fulfilled, as, following points are better to be considered: o When describing H. pylori and in order to satisfy the reader, more details are better to be added regarding plasticity region. The same also goes for H. pylori different virulence factors. o "Lu et al" was mentioned within the text with different reference number (19, 10, and 43), actually, it was reference number (43) in reference section and this has to be revised and corrected to be in its proper site. o Role of DupA in IL-8 production is not clearly identified. o Final remark: ? No: 1 has to be stated at the end of the article as a recommendation, while No: 2&3 have to be included within the text under the subheading: "dupA". Conclusion within final remark No: 3 has to be added to the subheading "Conclusion remarks". ? Final remark No: 2: Needs more

clarification to identify dupA cluster. Also, T4SS: has to be fully written when mentioned for the first time (type IV secretory system). ? Final remark No: 3: The work of the cited reference has to be clearly identified. Its results were missing and have to be mentioned. o Conclusion remarks: This section is better to be revised; no new data has to be mentioned. The part of this paragraph with cited references (34-36, 42, 49, 50- 52) and even the last sentence, are better to be put within the text under the subheading: "dupA". 3. References: Finally relevant adequate references, especially the most current literatures are cited, however, this section needs major revision as the following points have to be considered: ? Numbering of references was not comparable to that mentioned within the text. This has to be carefully revised. e.g.: Ref. No:43:Lu et al, it was ref. No: 19, 10 & 43 within the text. ? Reference No: 1 has to be completed. It is missing the volume and page numbers. ? Ref. No:46 is not Yamaoka et al as it was mentioned in final remarks No: 3 ? Some cited references were repeated: e.g.: Ref (20) is the same as Ref. (49) and ref. 26 is the same as ref. (41). ? PMID is not maintained for all references.