

## ESPS PEER-REVIEW REPORT

**Name of journal:** World Journal of Immunology

**ESPS manuscript NO:** 18862

**Title:** Helicobacter pylori vs immune system or antibiotics

**Reviewer's code:** 00505035

**Reviewer's country:** United States

**Science editor:** Fang-Fang Ji

**Date sent for review:** 2015-04-29 17:36

**Date reviewed:** 2015-05-13 01:09

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 checked="" type="checkbox"/> High priority for publication
<input checked="" type="checkbox"/> Grade C: Good	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> Duplicate publication	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade D: Rejected	<input checked="" type="checkbox"/> Plagiarism	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		[Y] No	<input type="checkbox"/> Major revision
		BPG Search:	
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		[Y] No	

## COMMENTS TO AUTHORS

H. pylori infection is common bacterial infections. As bacteria often develop resistance to antibiotics, diagnosis is very important for further treatment. Also the understanding of the influence of immune system is very eradicate the infection. This manuscript is described with overview, pathogenesis, virulence factor, and immune response to H. pylori infections. Minor point 1 Please summarize the treatment using Tables. 2. Please summarize important molecules that involve human immune responses using Tables. It would be easier to read.

## ESPS PEER-REVIEW REPORT

**Name of journal:** World Journal of Immunology

**ESPS manuscript NO:** 18862

**Title:** Helicobacter pylori vs immune system or antibiotics

**Reviewer's code:** 00502945

**Reviewer's country:** Argentina

**Science editor:** Fang-Fang Ji

**Date sent for review:** 2015-04-29 17:36

**Date reviewed:** 2015-05-23 21:22

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 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 type="checkbox"/> No	<input 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 type="checkbox"/> No	

## COMMENTS TO AUTHORS

The manuscript of Stubljär and Skvarc review the characteristic of *Helicobacter pylori* infection stressing the importance of the immune response to reach the eradication of the bacteria. The revision is concise and complete. It includes since the description of bacterium until the key components of the immune response important for infection elimination or progression to cancer. Thus, the central cytokines for protection (IFN- $\gamma$ , IL-18), and for cancer develop (IL-1 $\beta$ , TNF) are described. Moreover, regional data about the effectiveness of treatment in *H. pylori* infection included the antibiotic resistance observed by the authors in Slovenia. The authors concluded that the study of *H. pylori* strains in combination with host immune response to infection, including cytokine genotypes, could be important to predict the success of the antibiotic treatment and the risk for developing gastric cancer. Therefore, after minor revision, I recommend the publication of this review. Minor comments: ?In addition to reference 59 of the authors which was published in 2014, new references of the last years 2014 and 2015 should be included. ?English grammar should be revised: e.g. ... "bacteria secretion" in page 5; "neutrophils activation" in page 6; "IL-18 effects" (or affects?) in page 7; "H. pylori represent other immune cells??" in page 9; "Th1 subspecies??" (or subsets?) in page 9. ?



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Reference 62 Kroemer G et al could not be found in Pub Med to check if it is appropriate according with the manuscript that describe that “less developed regions have a very high resistance to clarithromycin and metronidazole, in the case of metronidazole ranging up to 100%” (page7). ?A figure to integrate and illustrate the manuscript may be included.