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ESPS Peer-review Report

Name of Journal: World Journal of Gastroenterology

ESPS Manuscript NO: 9676

Title: Immune evasion strategies used by *Helicobacter pylori*

Reviewer code: 00504458

Science editor: Qi, Yuan

Date sent for review: 2014-02-25 14:11

Date reviewed: 2014-03-01 11:49

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
<input checked="" type="checkbox"/> Grade A (Excellent)	<input checked="" 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"/> Existed	<input checked="" type="checkbox"/> High priority for publication
<input type="checkbox"/> Grade C (Good)	<input type="checkbox"/> Grade C: a great deal of language polishing	<input type="checkbox"/> No records	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D (Fair)		BPG Search:	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E (Poor)	<input type="checkbox"/> Grade D: rejected	<input type="checkbox"/> Existed	<input type="checkbox"/> Major revision
		<input type="checkbox"/> No records	

COMMENTS TO AUTHORS

The manuscript is well written and figures are useful. Importantly, the manuscript would improve its impact if there would be a discussion of the immune evasion strategies used by *Helicobacter pylori* and how to manipulate them in order to perform immune system based therapy. The point would not be to discuss extensively but at least give the reader the basic aspects on these points in a small paragraph.

ESPS Peer-review Report

Name of Journal: World Journal of Gastroenterology

ESPS Manuscript NO: 9676

Title: Immune evasion strategies used by *Helicobacter pylori*

Reviewer code: 00225338

Science editor: Qi, Yuan

Date sent for review: 2014-02-25 14:11

Date reviewed: 2014-03-03 23:32

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
<input type="checkbox"/> Grade A (Excellent)	<input checked="" 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"/> Existed	<input 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"/> No records	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D (Fair)		BPG Search:	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E (Poor)	<input type="checkbox"/> Grade D: rejected	<input type="checkbox"/> Existed	<input type="checkbox"/> Major revision
		<input type="checkbox"/> No records	

COMMENTS TO AUTHORS

In general, this is a nicely written review article. However, in my opinion it would benefit from re-writing to become more succinct - as it is now, its rather long in relation to content. Many words are not needed - as an indication of what i mean: if the sentence does not change meaning when words are removed, it generally means that the words are not needed. Also, many sentences can be summarized. One issue is that many statements are missing reference - possibly the authors mean that the reference after a line of 4 or so sentences covers all four sentences, but better to put it out on each sentence as this is not clear. In addition, it seems to me the review is under referenced - but I think also it would be good if a reviewer with more expertise in immunology would work over this manuscript Why is "modified Kdo (3- deoxy-d-mannoctulosonic acid)-lipid A structure tetra-acylated with a phosphoethanolamine added at the 1 position of the dissacharide." within ""? Again, ref missing H. pylori type I strain were shown to reside in a compartment with early endosome properties and did not fuse with lysosomes. - It appears an A or s is missing in the sentence?



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ESPS Peer-review Report

Name of Journal: World Journal of Gastroenterology

ESPS Manuscript NO: 9676

Title: Immune evasion strategies used by *Helicobacter pylori*

Reviewer code: 02522552

Science editor: Qi, Yuan

Date sent for review: 2014-02-25 14:11

Date reviewed: 2014-03-07 08:05

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
<input type="checkbox"/> Grade A (Excellent)	<input type="checkbox"/> Grade A: Priority Publishing	Google Search:	<input checked="" type="checkbox"/> Accept
<input type="checkbox"/> Grade B (Very good)	<input checked="" type="checkbox"/> Grade B: minor language polishing	<input type="checkbox"/> Existed	<input 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"/> No records	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D (Fair)		BPG Search:	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E (Poor)	<input type="checkbox"/> Grade D: rejected	<input type="checkbox"/> Existed	<input type="checkbox"/> Major revision
		<input type="checkbox"/> No records	

COMMENTS TO AUTHORS

This article summarized the immune evasion strategies used by *H. pylori* in detail. It will be more helpful if figures can be provided for each section. Some typos should be corrected.

ESPS Peer-review Report

Name of Journal: World Journal of Gastroenterology

ESPS Manuscript NO: 9676

Title: Immune evasion strategies used by *Helicobacter pylori*

Reviewer code: 00183436

Science editor: Qi, Yuan

Date sent for review: 2014-02-25 14:11

Date reviewed: 2014-03-14 03:55

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
<input checked="" type="checkbox"/> Grade A (Excellent)	<input checked="" 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"/> Existed	<input type="checkbox"/> High priority for publication
<input type="checkbox"/> Grade C (Good)	<input type="checkbox"/> Grade C: a great deal of language polishing	<input type="checkbox"/> No records	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D (Fair)		BPG Search:	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade E (Poor)	<input type="checkbox"/> Grade D: rejected	<input type="checkbox"/> Existed	<input checked="" type="checkbox"/> Minor revision
		<input type="checkbox"/> No records	<input type="checkbox"/> Major revision

COMMENTS TO AUTHORS

Summary This is a very well-written, organized and extensive review on both innate and adaptive immune evasion mechanisms by *H. pylori*, with both bacterial and host factors nicely considered. Major suggested changes 1. A nice overview figure depicting major innate versus adaptive immune evasion mechanisms should be shown, with both host and bacterial factors (where known), then follow up for Fig 1 and 2 that get into more specifics. Minor suggested changes 1. Numerous minor wording changes throughout are suggested a. p3. Change to "establishes" in "H. pylori successfully..." b. p4. Change "gycolipid" to glycolipid c. p5. Insert "that" after acute phase reactants; add period after in vitro. d. p9. Delete of in the sentence "despite of the presence of iNOS". In ref 36, it is arginase not urease that inhibits NO production. e. p 10. Delete "phenotype" after APC in bottom sentence. f. p15. Delete "interrupts IL-2 signaliing and" as previous sentence already implies VacA interrupts IL-2 signaliing. g. p16. Change principal to principle. h. p16. The sentence Interestingly, a study in mice..." is confusing and unclear. i. p18 delete "were in the stomach" and add "stomach" before CD4+. 2. P4. Provide reference for the quote at bottom of page. 3. p6. The section on CLRs seems too long and generic and not specific for *H. pylori*. Consider reducing to most important points as they relate to *H. pylori* immune evasion mechanisms. 4. p 9-10. Should the authors consider adding information to this macrophage section on the M1/M2 area? eg, Fehlings 2012 Infect Immun, 80:2724; and Quiding Plos One 5:e15018 5. p11. Provide reference(s) for the sentences "It was shown that E2F1 expression is downregulated...and "However, Hp VacA was shown to inhibit DC maturation..." 6. p19. The autoantibodies section could be improved by addition of the well-known observation of



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autoantibodies directed against the Hpylori LPS, which bears Lewis antigens the molecularly mimic the host cell surface glycoproteins. 7. References- ref 7 missing author's last name. Many references should have bacterial/gene names italicized