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Flat C, 23/F., Lucky Plaza,
315-321 Lockhart Road, Wan Chai, Hong Kong, China

ESPS Peer-review Report

Name of Journal: World Journal of Gastroenterology

ESPS Manuscript NO: 5839

Title: Structural modifications of Helicobacter pylori LPS - the idea how to live in peace.

Reviewer code: 00158194

Science editor: Gou, Su-Xin

Date sent for review: 2013-10-04 16:48

Date reviewed: 2013-10-28 03:38

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	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"/> 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"/> 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

The authors have done a very thorough job to elucidate the concepts underlying the "persistence mechanisms" of Helicobacter pylori bacteria in the human gastric mucosa. They focus on aspects of the structure, bioactivity and immunomodulatory properties of H. pylori lipopolysaccharide (LPS). The revision is exhaustive and the references are numerous and of the recent data. Overall, the manuscript is well written and structured and the authors did a nice study analyzing in the context of current literature. This revision would be of general interest to clinicians. Nevertheless, there are few details that need to be added in order to increase the clarity of the manuscript: 1. I strongly encourage provide a summary after each heading to highlight the main findings. It may be extremely helpful in this long literature review 2. A scheme of the structure of LPS can be useful 3. The figure is rather confuse and not well structured. I suggest subdivide it. Specifically, the authors should differentiate the immunoregulatory mechanisms and the implicated cells in another figure. 4. The figure legend is too exhaustive and do not clearly corresponds to the figure. 5. There are some sentences too long that the authors should check (i.e. "However, the advantage of this mechanism for H. pylori is questionable because TLR4 recognition plays a limited role in detecting these bacteria, because human gastric epithelial cells do not express functional TLR4, whereas it is present on monocytes and macrophages") 6. A revision of English language is desirable



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ESPS Peer-review Report

Name of Journal: World Journal of Gastroenterology

ESPS Manuscript NO: 5839

Title: Structural modifications of Helicobacter pylori LPS - the idea how to live in peace.

Reviewer code: 00012309

Science editor: Gou, Su-Xin

Date sent for review: 2013-10-04 16:48

Date reviewed: 2013-11-08 18:51

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	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"/> 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 checked="" 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 this paper the authors purport to support the interesting thesis that H pylori has evolved towards the goal of establishing a niche of persistence in the human alimentary tract, and has done so by mainly rendering its own components less antigenic and by favoring suppressive activities on the side of the human immune system. The authors originate from a basic science institute, and, coherently with such a competence, they have indulged to biochemical and immunological arguments to develop their thesis . At certain points, the burden of basic science is such as to raise an issue. My main issue therefore, is to what extent this “hard” biochemistry text can fit a clinical journal such as W J Gastroenterol, and to what extent the readers can appreciate it without feeling the lack of other relevant clinical issues. For example, the emergent role that seems to be played by extra-gastric H Pylori infection in the pathogenesis, for example, of early onset sarcoidosis, pancreatic malignancy, and pulmonary disease. To conclude, I understand that the authors can not have the competence to cover these issues, but I wonder whether the readers would feel completely comfortable in reading through these pages.



ESPS Peer-review Report

Name of Journal: World Journal of Gastroenterology

ESPS Manuscript NO: 5839

Title: Structural modifications of Helicobacter pylori LPS - the idea how to live in peace.

Reviewer code: 00049305

Science editor: Gou, Su-Xin

Date sent for review: 2013-10-04 16:48

Date reviewed: 2013-11-10 20:25

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	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"/> 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 type="checkbox"/> Minor revision
		<input type="checkbox"/> No records	<input type="checkbox"/> Major revision

COMMENTS TO AUTHORS

In the review paper, Dr. Chmiela et al describes the HP LPS structure and the receptors of the innate immune system, particularly in abnormal immune regulation in gastric mucosa during HP infection. This work provides novel insights on understanding the pathogenesis of HP infection. 1, in addition to Th1/Th2-mediated immune response, please also add Th17-associated immune response during HP infection. 2, in addition to the recognition of HP by TLR, please also add NOD1, an important innate immune molecule, in recognition of H. pylori.



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ESPS Peer-review Report

Name of Journal: World Journal of Gastroenterology

ESPS Manuscript NO: 5839

Title: Structural modifications of Helicobacter pylori LPS - the idea how to live in peace.

Reviewer code: 00183453

Science editor: Gou, Su-Xin

Date sent for review: 2013-10-04 16:48

Date reviewed: 2014-01-22 16:38

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	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"/> 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 checked="" 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 quite well written. It represent a quite comprehensive review of the topic. It would be useful for the reader to include the discussion of PMID: 23054412 and PMID: 15596126.



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ESPS Peer-review Report

Name of Journal: World Journal of Gastroenterology

ESPS Manuscript NO: 5839

Title: Structural modifications of Helicobacter pylori LPS - the idea how to live in peace.

Reviewer code: 00503464

Science editor: Gou, Su-Xin

Date sent for review: 2013-10-04 16:48

Date reviewed: 2014-01-22 19:53

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	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"/> 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"/> 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

Comment to the Authors The manuscript by Magdalena Chmiela et al. were presented for review. In this manuscript, the author summarized the possible mechanism by which Helicobacter pylori (HP) escape host immune system, focusing on the structural modification of HP-LPS. Some of the data in this manuscript has a potential. There are a few concerns in this manuscript Comment 1. Is there any relationship between oxidative stress and LPS in HP infection? 2. Please add the following papers in the reference. 1) Jeong-Sang Lee, Ji-Yoon Cho, Heup Song, Eun-Hee Kim, Ki-Baik Hahm Revaprazan, a novel acid pump antagonist, exerts anti-inflammatory action against Helicobacter pylori-induced COX-2 expression by inactivating Akt signaling. Journal of Clinical Biochemistry and Nutrition?Vol. 51 (2012) No. 2 p. 77-83 2) Handa O, Naito Y, Yoshikawa T. Redox biology and gastric carcinogenesis: the role of Helicobacter pylori. Redox Rep. 2011;16(1):1-7.



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ESPS Peer-review Report

Name of Journal: World Journal of Gastroenterology

ESPS Manuscript NO: 5839

Title: Structural modifications of Helicobacter pylori LPS - the idea how to live in peace.

Reviewer code: 00503568

Science editor: Gou, Su-Xin

Date sent for review: 2013-10-04 16:48

Date reviewed: 2014-01-22 20:42

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	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"/> Existed	<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"/> 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 submitted manuscript is well written and interesting, however, it is too long. Please be shorter.