



Baishideng Publishing Group Co., Limited

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: 6006

Title: Helicobacter pylori neutrophil-activating protein: from molecular pathogenesis to clinical application

Reviewer code: 02535996

Science editor: Zhai, Huan-Huan

Date sent for review: 2013-09-30 14:24

Date reviewed: 2013-10-07 05:57

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

COMMENTS TO AUTHORS

The manuscript entitles “Helicobacter pylori neutrophil-activating protein: from molecular pathogenesis to clinical application” by Hua-Wen Fu is a nicely written, clear review. There are a few small suggestions to make it stronger. 1. Page 4 - when describing the iron binding capacity, the word cavity might not be the appropriate word. This may need to be described in more detail 2. Comma needed on page 5 line 3 before the word “but” 3. Generally, a little more attention could be given to the effect of Hp-NAP on neutrophils. For example, several articles are not referenced that describe meaningful information about Hp-NAP: A. FEMS Microbiol Lett. 2005 Aug 1;249(1):95-103. Helicobacter pylori induce neutrophil transendothelial migration: role of the bacterial HP-NAP. Brisslert M, Enarsson K, Lundin S, Karlsson A, Kusters JG, Svennerholm AM, Backert S, Quiding-J?rbrink M. This article describes the continuous influx of neutrophils in a transwell chamber system requires live Hp expressing NAP. This is an important study that should be included in the manuscript. B. Cell Microbiol. 2010 Jun;12(6):754-64. doi: 10.1111/j.1462-5822.2010.01431.x. Epub 2010 Jan 11. Helicobacter pylori-derived neutrophil-activating protein increases the lifespan of monocytes and neutrophils. Cappon A, Babolin C, Segat D, Cancian L, Amedei A, Calzetti F, Cassatella MA, D'Elios MM, de Bernard M.



Baishideng Publishing Group Co., Limited

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: 6006

Title: Helicobacter pylori neutrophil-activating protein: from molecular pathogenesis to clinical application

Reviewer code: 02527808

Science editor: Zhai, Huan-Huan

Date sent for review: 2013-09-30 14:24

Date reviewed: 2013-10-09 08:37

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)	<input type="checkbox"/> Grade D: rejected	BPG Search:	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E (Poor)		<input type="checkbox"/> Existed	<input type="checkbox"/> Major revision
		<input type="checkbox"/> No records	

COMMENTS TO AUTHORS

The article aimed to clarify the pathogenic role HP-NAP in H. pylori infection. the unique immune properties and biological function of HP-NAP which make it become a potential candidate in clinical applications, including vaccine development, clinical diagnosis, and drug development. The presentation is comprehensive& try to stress on the applied aspects needed by the clinicians but there are some comments : As regard key words : Please added ? Immune modulation; ? Th1-Th2; ? Immunotherapy Language editing: introduction : Line (14) neutrophil-activating protein, NAP,must be changed to neutrophil-activating protein (NAP) Page (6) : interleukin-4 (IL-4)-secreting T cells must be changed to interleukin-4 (IL-4) secreting T cells As regard the review article Role of HP-NAP in bacterial protection and survival:(page 4) I think you must clarify that HP-NAP does not possess a positively charged N-terminus but, unlike the other members of the family, is characterized by a positively charged protein surface which has been proposed to be responsible for binding and condensing DNA (Ceci et al.,2007). Role of HP-NAP in host inflammation (page 5) You don't discuss how the HP-NAP stimulate the monocyte to synthesize tissue factor (TF) and plasminogen activator inhibitor-2 (PAI-2)& the relation of this action to the development of chronic gastritis (Montemurro et al., 2001) In page page (6) before discussing the role of HP-NAP in innate immunity and gastric Th1-polarized response , a brief revision about the role of different types of T-helper cells in immunity against infection is required (D'Elios and Del Prete, 1998). In Page (7) : The last sentence (A recent study showed that TLR2 was involved in HP-NAP-stimulated) you must delete a recent study because the reference was(Del et al 2008) which is not recent now. Disease associations with HP-NAP (page 8) The finding that HP-NAP shares



Baishideng Publishing Group Co., Limited

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

significant homology with other Dps-like proteins, produced by bacteria associated with chronic inflammation, such as NapA of *Borrelia burgdorferi* must be discussed. References - You must update old references. - Many references were missed in your review such as 1- The immune modulating activity of the *Helicobacter pylori* HP-NAP: Friend or foe? de Bernard M & D'Elios MM 2010 *Toxicon*. Dec 15;56(7):1186-92. Although This review article is more or less similar to your review but it was not found in your reference. 2-Velin D& Michetti P2010 *Expert Rev Gastroenterol Hepatol*. 2010 Apr;4(2):157-66. 3-de Bernard M & D'Elios 2009 *MM Helicobacter*. Sep;14 Suppl 1:21-8 4- D'Elios et al 2007 *FEMS Immunol Med Microbiol*. Jul;50(2):157-64. 5- D'Elios et al 2007 *Clin Chim Acta*. May;381(1):32-8. 6- Montecucco C,& de Bernard M 2003 *Microbes Infect*. Jul;5(8):715-21. 7- Dundon et al 2002 *Int J Med Microbiol*. Feb;291(6-7):545-50. Also the manuscript is devoid from any associated figures or models illustrating the molecular pathogenetic activity of the HP-NAP.