

**ESPS Peer-review Report**

**Name of Journal:** World Journal of Gastrointestinal Pathophysiology

**ESPS Manuscript NO:** 9190

**Title:** Helicobacter pylori and neurological diseases: married by the laws of inflammation

**Reviewer code:** 00070504

**Science editor:** Ling-Ling Wen

**Date sent for review:** 2014-01-27 12:13

**Date reviewed:** 2014-02-12 02:37

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 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"/> 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**

I read manuscript with great interest. The purpose of this paper is to review current information about the role of inflammation caused by Helicobacter pylori infection in neurological diseases. It well summed relationship between Helicobacter pylori and Neurological diseases. This paper will be interesting in readers of this journal. Best regards Erdinc Kamer, MD

# ESPS Peer-review Report

**Name of Journal:** World Journal of Gastrointestinal Pathophysiology

**ESPS Manuscript NO:** 9190

**Title:** Helicobacter pylori and neurological diseases: married by the laws of inflammation

**Reviewer code:** 02526196

**Science editor:** Ling-Ling Wen

**Date sent for review:** 2014-01-27 12:13

**Date reviewed:** 2014-03-11 20:47

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	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"/> 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	<input type="checkbox"/> Existed	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E (Poor)		<input type="checkbox"/> No records	<input type="checkbox"/> Major revision

# COMMENTS TO AUTHORS

Ms: ESPS Manuscript NO: 9190 Authors: Lourdes álvarez-Arellano and Carmen Maldonado-Bernal Title: Helicobacter pylori and neurological diseases: married by the laws of inflammation GENERAL COMMENTS: This is a good review. Authors provide useful knowledge about the association between helicobacter pylori and some of neurological diseases. It is well known that neurological diseases such as Parkinson, Alzheimer, Guillain-Barré syndrome, multiple sclerosis, and ischemic stroke are the result of a combination of multiple factors. However, more or less evident demonstrated that the systemic inflammatory response to H. pylori could be a common component and determinant in the onset, evolution, and outcome of these diseases. Therefore, this review is good for the readership of WJG. SPECIFIC COMMENTS: Title: The title accurately reflects the major topic and contents of the review. Abstract: It is well written and summarizes the central idea and content of the review. Introduction: In this section, authors mainly introduce the helicobacter pylori and it-induced infection. The secretion of inflammatory mediators induced by H. pylori infection and effect of different inflammatory mediators are also briefly mentioned. Finally authors point that H. pylori infection has been associated with the development and progression of neurological diseases, principally by inducing systemic inflammation and molecular mimicry. Main text: Authors briefly describe the characteristics of Parkinson, Alzheimer, Guillain-Barré syndrome, multiple sclerosis, and ischemic stroke. The evident of effect of H. pylori infection on these neurological diseases is provided based on limited publications. Authors conclude that the systemic inflammatory response and the production of autoantibodies are common components and determinants in the onset, evolution, and outcome of



## BAISHIDENG PUBLISHING GROUP INC

8226 Regency Drive, Pleasanton, CA 94588, USA

Telephone: +1-925-223-8242

Fax: +1-925-223-8243

E-mail: [editorialoffice@wjgnet.com](mailto:editorialoffice@wjgnet.com)

<http://www.wjgnet.com>

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these neurological diseases. Future studies need to focus on determining the molecular mechanisms by which inflammatory mediators induced by H. pylori act on the brain, tipping the balance toward a pathological condition. References: The references are appropriate, relevant, and updated. CLASSIFICATION OF THE MANUSCRIPT grades B. LANGUAGE EVALUATION Grade A