



PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 44549

Title: Reaction of antibodies to Campylobacter jejuni and cytolethal distending toxin B with tissues and food antigens

Reviewer’s code: 03261325

Reviewer’s country: Romania

Science editor: Ruo-Yu Ma

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SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input checked="" type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input checked="" type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language polishing	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good		<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of language polishing	(General priority)	Peer-reviewer’s expertise on the topic of the manuscript:
<input type="checkbox"/> Grade E: Do not publish	<input type="checkbox"/> Grade D: Rejection	<input checked="" type="checkbox"/> Minor revision	<input type="checkbox"/> Advanced
		<input type="checkbox"/> Major revision	<input checked="" type="checkbox"/> General
		<input type="checkbox"/> Rejection	<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

The potential role of C. jejuni in some diseases like IBS, IBD, Guillane-Barré syndrome is well known although the mechanisms are not fully understood. The study analyzes one of these potential mechanisms: the immunoreactivity of C. jejuni-specific antibodies



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and *C. jejuni* Cytolethal distending toxin B antibodies with a variety of human tissues and food antigens. The paper is well written, with a solid documentation. There are some remarks: - Prescuration CdtB was not explained at its first use in the text; it is used both as CdtB and CDB: e.g., “we examined the reaction of *C. jejuni* CdtB”, “The reaction of *C. jejuni* CDT antibody” - In the methods I think that the modality of preparing the food extracts should be briefly described (“180 different food extracts were prepared according to the procedure described in our earlier study”) - Some phrases are similar in introduction and discussion: “In humans, *C. jejuni* has been associated with different GI conditions, including irritable bowel syndrome (IBS), inflammatory bowel disease (IBD) (must be corrected!), Barrett’s esophagus and colorectal cancer. Moreover, *C. jejuni* has also been reported to be involved in extraintestinal manifestations, including bacteremia, reactive arthritis, lung infections, brain abscesses, meningitis, and the autoimmune conditions known as Guillain-Barré” and “In humans, the *C. jejuni* species have been associated with a range of gastrointestinal conditions, including inflammatory bowel diseases (IBD), Barrett’s esophagus, and colorectal cancer. They have also been reported to be involved in extragastrointestinal manifestations, including bacteremia, lung infections, brain abscesses, meningitis, and reactive arthritis” - I think that the discussions have to be more powerful regarding the significance of the results (reactivity with some tissues and food antigens).

INITIAL REVIEW OF THE MANUSCRIPT

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