

## ESPS PEER-REVIEW REPORT

**Name of journal:** World Journal of Gastroenterology

**ESPS manuscript NO:** 17167

**Title:** Recent developments in the pathophysiology of irritable bowel syndrome

**Reviewer's code:** 03000412

**Reviewer's country:** United States

**Science editor:** Jing Yu

**Date sent for review:** 2015-02-28 08:40

**Date reviewed:** 2015-03-16 23:10

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	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"/> The same title	<input checked="" type="checkbox"/> High priority for publication
<input type="checkbox"/> Grade C: Good		<input type="checkbox"/> Duplicate publication	
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> Plagiarism	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade E: Poor	<input type="checkbox"/> Grade D: Rejected	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Minor revision
		BPG Search:	<input type="checkbox"/> Major revision
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input checked="" type="checkbox"/> No	

## COMMENTS TO AUTHORS

I applaud you on a well-written paper. A couple of suggestions I have that I think will strengthen the paper include: 1. If possible, organizing the topics around IBS-C and IBS-D. I think it's fascinating that a clinically-determined distinction in IBS that is argued and disputed may have a genetic underpinning. 2. Tying in the clinical literature, especially regarding patient experience would be helpful. Since clinical trials for new IBS treatments focus on patient-reported outcomes, it would be interesting to begin to formulate hypotheses as to how genetics and patient experience interact. 3. This is just a comment, but I found the discussion of gluten vs carbohydrates especially interesting.

## ESPS PEER-REVIEW REPORT

**Name of journal:** World Journal of Gastroenterology

**ESPS manuscript NO:** 17167

**Title:** Recent developments in the pathophysiology of irritable bowel syndrome

**Reviewer's code:** 03000422

**Reviewer's country:** Japan

**Science editor:** Jing Yu

**Date sent for review:** 2015-02-28 08:40

**Date reviewed:** 2015-03-24 21:01

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input checked="" type="checkbox"/> Grade A: Priority publishing	Google Search:	<input type="checkbox"/> Accept
<input checked="" type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> The same title	<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"/> Duplicate publication	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade D: Rejected	<input checked="" type="checkbox"/> Plagiarism	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		[Y] No	<input type="checkbox"/> Major revision
		BPG Search:	
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		[Y] No	

## COMMENTS TO AUTHORS

The author described the pathophysiology of IBS including genetic/social learning factors, diet, intestinal microbiota, intestinal low-grade inflammation, and abnormal gastrointestinal endocrine cells in this editorial. The content of it is instructive especially the speculation that the decreased number of endocrine cells is responsible for the visceral hypersensitivity, disturbed gastrointestinal motility, and abnormal gut secretion seen in IBS patients. The minor problem is that there are too many references in this editorial. I think it is better to reduce the number of references if possible.

## ESPS PEER-REVIEW REPORT

**Name of journal:** World Journal of Gastroenterology

**ESPS manuscript NO:** 17167

**Title:** Recent developments in the pathophysiology of irritable bowel syndrome

**Reviewer's code:** 03000371

**Reviewer's country:** United States

**Science editor:** Jing Yu

**Date sent for review:** 2015-02-28 08:40

**Date reviewed:** 2015-03-07 04:57

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	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"/> The same title	<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"/> Duplicate publication	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade D: Rejected	<input checked="" type="checkbox"/> Plagiarism	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		[Y] No	<input type="checkbox"/> Major revision
		BPG Search:	
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		[Y] No	

## COMMENTS TO AUTHORS

Thank you for the opportunity to review this article titled "Recent developments in the pathophysiology of irritable bowel syndrome". This is a very well-written article and is a concise review of the literature. I have two suggestions: 1. elaborate on the role of visceral hypersensitivity as it relates to symptom experience. 2. the idea of environmental and social learning as it relates to IBS is a bit out-dated. In fact, the research cited is 15+ years old. If the authors want to keep a section to identify behavioral/emotional factors associated with IBS (and I think this is a good idea), there are many more recent and relevant sources. I'd suggest looking at the comorbidity rates of IBS with psychiatric disorders and even the research on cognitive behavioral therapy as a treatment for IBS. One cognitive behavioral factor that can exacerbate and perpetuate IBS symptom experience tends to be catastrophization of symptoms.