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ESPS Peer-review Report

Name of Journal: World Journal of Gastroenterology

ESPS Manuscript NO: 9197

Title: Impact of psychological stress on irritable bowel syndrome

Reviewer code: 00049305

Science editor: Ya-Juan Ma

Date sent for review: 2014-02-08 13:53

Date reviewed: 2014-02-26 23:28

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"/> 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 review paper, Dr. Qin et al. described the potential role of psychological stress in the pathogenesis of IBS and provided comprehensive approaches in clinical treatment. Concerning the underlying mechanisms of psychological stress in the initiation and induction of IBS, the following points need to be addressed.

- 1, Psychological stress may increase intestinal permeability, which further affect the neuro-endocrine-immune pathways, leading to abnormal GI motility and function during the development of IBS.
- 2, In addition to mast cells, increased numbers of immune cells with production of various cytokines are observed in intestinal mucosa in IBS patients. Both innate and adaptive immune responses are reported to be involved in the pathogenesis IBS, suggesting that immune activation may play an important role in the pathogenesis of IBS. Psychological stress may facilitate immune activation in intestinal mucosa of IBD patients.
- 3, please describe more details on clinical therapy on the basis of psychological stress.



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ESPS Peer-review Report

Name of Journal: World Journal of Gastroenterology

ESPS Manuscript NO: 9197

Title: Impact of psychological stress on irritable bowel syndrome

Reviewer code: 00042073

Science editor: Ya-Juan Ma

Date sent for review: 2014-02-08 13:53

Date reviewed: 2014-03-06 01:58

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 checked="" type="checkbox"/> Grade D (Fair)		BPG Search:	<input checked="" type="checkbox"/> Rejection
<input type="checkbox"/> Grade E (Poor)	<input checked="" 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

good simple review of the relation between IBD and stress that well know but never identifiqne as a couese



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ESPS Peer-review Report

Name of Journal: World Journal of Gastroenterology

ESPS Manuscript NO: 9197

Title: Impact of psychological stress on irritable bowel syndrome

Reviewer code: 02438752

Science editor: Ya-Juan Ma

Date sent for review: 2014-02-08 13:53

Date reviewed: 2014-05-06 10:39

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)		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 revised manuscript entitled "Impact of psychological stress on irritable bowel syndrome" could be accepted.



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ESPS Peer-review Report

Name of Journal: World Journal of Gastroenterology

ESPS Manuscript NO: 9197

Title: Impact of psychological stress on irritable bowel syndrome

Reviewer code: 01429800

Science editor: Ya-Juan Ma

Date sent for review: 2014-02-08 13:53

Date reviewed: 2014-05-22 01:38

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	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"/> 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

Serotonin play a key role in the pathophysiology and treatment of IBS and in the psychological disorders. Therefore, after describing the role of serotonin in the pathophysiology of many extra-intestinal stress-related disorders, the next paragraph should focus on the role of its receptors in the brain and in the gut.



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ESPS Peer-review Report

Name of Journal: World Journal of Gastroenterology

ESPS Manuscript NO: 9197

Title: Impact of psychological stress on irritable bowel syndrome

Reviewer code: 00158521

Science editor: Ya-Juan Ma

Date sent for review: 2014-02-08 13:53

Date reviewed: 2014-05-24 22:11

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
<input type="checkbox"/> Grade A (Excellent)	<input checked="" 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
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<input type="checkbox"/> Grade E (Poor)	<input type="checkbox"/> Grade D: rejected	<input type="checkbox"/> Existed	<input checked="" type="checkbox"/> Major revision
		<input type="checkbox"/> No records	

COMMENTS TO AUTHORS

Important review of neurobiology of stress in IBS. The focus of the review is somewhat unclear. The content does not match the aims. The review is more about neurobiology than the stated aims. It would help reading of the review if authors included a figure which connects and integrates the different pathophysiological factors associated with stress. The authors only once -towards the end- acknowledge that stress may also be a reaction to having a chronic disorder. This should be acknowledged earlier. In fact, it will be good to distinguish in the description of the literature what studies showed only associations between stress and IBS (and cannot comment on cause and effect), what studies examined longitudinal effects and which studies examined causal effects (the latter will be almost none except for animal studies). Although I agree that stress likely plays a causal role, finding that IBS patients report a history of stressful life events is not evidence of causation. In fact, being stressed due to the disorder and the belief that stress plays a role in symptoms may prime a patient to report more previous stressful life events.