

## PEER-REVIEW REPORT

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

**Manuscript NO:** 39157

**Title:** Fatigue is not associated with vitamin D deficiency in IBD patients

**Reviewer's code:** 02446483

**Reviewer's country:** Canada

**Science editor:** Ze-Mao Gong

**Date sent for review:** 2018-05-11

**Date reviewed:** 2018-05-11

**Review time:** 2 Hours

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

### SPECIFIC COMMENTS TO AUTHORS

The authors focus on an interesting topic. Fatigue is common in inflammatory bowel disease (IBD). A relationship between vitamin D and fatigue has not been established. The aim of this study was to investigate if vitamin D deficiency is associated with fatigue in patients with IBD. Nine hospitals participated in this multicentric study. Chronic



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fatigue was reported by about 1/3 of patients. Vitamin D levels were neither associated with total fatigue nor with chronic fatigue. In conclusion, the authors found no significant association between fatigue and vitamin D deficiency in IBD patients.

#### **INITIAL REVIEW OF THE MANUSCRIPT**

##### ***Google Search:***

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ No

##### ***BPG Search:***

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ No

## PEER-REVIEW REPORT

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

**Manuscript NO:** 39157

**Title:** Fatigue is not associated with vitamin D deficiency in IBD patients

**Reviewer's code:** 00049331

**Reviewer's country:** Turkey

**Science editor:** Ze-Mao Gong

**Date sent for review:** 2018-05-11

**Date reviewed:** 2018-05-14

**Review time:** 2 Days

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

### SPECIFIC COMMENTS TO AUTHORS

In this study, Authors aimed to investigate association between vitamin deficiency and fatigue in patients with IBD. Total 405 patients were included in the analyses, more than half of them had Crohn's disease (227, 56 %). Authors showed that vitamin D levels were neither associated with total fatigue nor with chronic fatigue, and also higher total



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fatigue scores and chronic fatigue were both associated with increased disease activity scores in patients with UC and CD, but not with increased CRP or fecal calprotectin. With this result, Authors speculate that some factors other than inflammation may play an important role and the total burden from clinical disease activity may contribute relatively more to the experience of fatigue by the patient than the intestinal inflammation. However, studies in the literature showed that the fatigue is common in IBD, with a prevalence of 44-86 % in active disease and 22-41% in remission and vitamin D deficiency is common in patients with IBD, which are not associated with the current study results. According to above-mentioned information regarding fatigue and vitamin D deficiency, please thoroughly discuss the reason of the low rate of fatigue and vitamin D deficiency in active IBD in the current study as compared to previously knowledge.

## **INITIAL REVIEW OF THE MANUSCRIPT**

### ***Google Search:***

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- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ [ Y ] No

### ***BPG Search:***

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ [ Y ] No

## PEER-REVIEW REPORT

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

**Manuscript NO:** 39157

**Title:** Fatigue is not associated with vitamin D deficiency in IBD patients

**Reviewer's code:** 01557050

**Reviewer's country:** Japan

**Science editor:** Ze-Mao Gong

**Date sent for review:** 2018-05-11

**Date reviewed:** 2018-05-18

**Review time:** 6 Days

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 type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input checked="" type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
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		<input checked="" type="checkbox"/> Rejection	<input checked="" type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

## SPECIFIC COMMENTS TO AUTHORS

Dr. Frigstad, et al. reported 'Fatigue is not associated with vitamin D deficiency in IBD patients'. The article is well-presented. The reviewer has some comments. Comment 1. The reviewer can understand vitamin D would be one of parameters for inflammation. The authors should check the severity of IBD, CRP, TP, albumin and so on in this study,



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and the authors should calculate and investigate the results carefully. Then, the authors can describe the association between fatigue and vitamin D in IBD patients.

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