



**PEER-REVIEW REPORT**

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

**Manuscript NO:** 46080

**Title:** Chronic functional constipation is strongly linked to vitamin D deficiency

**Reviewer's code:** 03260101

**Reviewer's country:** United Kingdom

**Science editor:** Jia-Ping Yan

**Reviewer accepted review:** 2019-02-18 05:17

**Reviewer performed review:** 2019-02-19 17:45

**Review time:** 1 Day and 12 Hours

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input type="checkbox"/> Grade B: Very good	<input checked="" 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 type="checkbox"/> Advanced
		<input 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**

my comments on your manuscript have been passed on to the editor

**INITIAL REVIEW OF THE MANUSCRIPT**

*Google Search:*



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**PEER-REVIEW REPORT**

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

**Manuscript NO:** 46080

**Title:** Chronic functional constipation is strongly linked to vitamin D deficiency

**Reviewer's code:** 00069142

**Reviewer's country:** Romania

**Science editor:** Jia-Ping Yan

**Reviewer accepted review:** 2019-02-21 15:12

**Reviewer performed review:** 2019-02-21 15:17

**Review time:** 1 Hour

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input checked="" type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input 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 type="checkbox"/> Advanced
		<input 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**

It is an interesting and unique study; vitamin D deficiency is more and more involved in GI pathology and the association with constipation needs to be validated by further studies. Good english and clear discussion and conclusions..



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**PEER-REVIEW REPORT**

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

**Manuscript NO:** 46080

**Title:** Chronic functional constipation is strongly linked to vitamin D deficiency

**Reviewer's code:** 03478583

**Reviewer's country:** United States

**Science editor:** Jia-Ping Yan

**Reviewer accepted review:** 2019-02-18 18:20

**Reviewer performed review:** 2019-02-24 17:41

**Review time:** 5 Days and 23 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 checked="" type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input 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 type="checkbox"/> Advanced
		<input 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**

The authors are able to show a strong correlation between Vitamin D deficiency and chronic constipation and clinical outcomes such as depression and anxiety scores. The manuscript is well-written and easy to interpret and exclusion criteria for patients seemed appropriate. The study is limited in my mind by the fact that they have not



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looked at other vitamin or mineral deficiencies such as Vitamin B12 or Magnesium that might also account for some of their findings. There is mixed literature on Vitamin D deficiency and constipation, this should be mentioned. The key question in my mind is whether slowed GI transit actually is the cause of Vitamin D deficiency, not the reverse. Is there any evidence in animals or humans that would suggest that slowed GI transit could be related to decrease Vitamin D absorption from the GI tract? Is it possible to have additional vitamins and/or minerals measured in serum samples? That would seem to help add value to the finding that Vitamin D levels are lower.

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

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