

ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

ESPS manuscript NO: 30022

Title: Predictors of vitamin D deficiency in inflammatory bowel disease and health: A Mississippi perspective

Reviewer's code: 02978155

Reviewer's country: Italy

Science editor: Jing Yu

Date sent for review: 2016-09-06 08:20

Date reviewed: 2016-09-21 14:46

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 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 checked="" 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		<input checked="" type="checkbox"/> No	<input type="checkbox"/> Major revision
		BPG Search:	
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input checked="" type="checkbox"/> No	

COMMENTS TO AUTHORS

This is a well written manuscript on an interesting topic. Some sentences are not clear at all. Only as an example in the "core tip", the Authors wrote "The relationship between vitamin D is considered to be bidirectional." Probably this sentence could be clearer writing "The relationship between vitamin D AND INFLAMMATORY BOWEL DISEASE is considered to be bidirectional. Also, in the title of the paper (Manuscript_20160904132509.docx)upload the Authors wrote "Predictors of vitamin D deficiency in inflammatory bowel disease health: A Mississippi Perspective": it's clearer the title version "Predictors of vitamin D deficiency in inflammatory bowel disease and health: A Mississippi Perspective" Generally, with some revision, it could be suitable for publishing

ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

ESPS manuscript NO: 30022

Title: Predictors of vitamin D deficiency in inflammatory bowel disease and health: A Mississippi perspective

Reviewer's code: 03662774

Reviewer's country: Denmark

Science editor: Jing Yu

Date sent for review: 2016-09-06 08:20

Date reviewed: 2016-10-02 03:53

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 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 checked="" 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"/> No	<input checked="" type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		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

Dear authors This is a well-written paper addressing the scientific question; predictors of vitamin D deficiency in IBD patients with a focus on African American. The main findings describe that BMI > 30 and race are predictors for vitamin D deficiency while diagnosis only tended to predict vitamin D deficiency. In general this paper's message is clear and relevant to the clinic. However I have some comments to this work (page and line numbers would have made it easier to address specific sentences): Introduction ? In the following sentence: "faulty conversion of vitamin D to active metabolic forms; failure to conserve an adequate functional pool of vitamin D" you refer to Tajika M et al (ref 17). Ref 17 did not investigate the statement above, they only address the same point of view referring to: Compston JE, Creamer B. Plasma levels and intestinal absorption of 25-hydroxyvitamin D in patients with small bowel resection. Gut 1977;18:171-5. Please correct your reference. Material and methods ? Relevant parameters but it would have been interesting to include disease activity if possible since patients in remission is shown have another influence on vitamin D status than patients with active disease(1). ? I miss information of the control group. You state that "The

control group consisted of patients without IBD or any active systemic disease that presented to UMMC and had plasma 25(OH) D levels obtained during routine follow up". I will suggest that you include examples of diagnoses of these control patients, since they are still described as patients and not healthy subjects.

Results and discussion ? The authors observed an interesting association between vitamin D deficiency and CD diagnosis in patients with BMI < 25. This group could comprise CD patients with server disease, increased surgery rates and weight loss. I recommend that the authors discuss this result in the discussion. ? Disease activity is not included as a possible parameter for vitamin D deficiency. If possible, it would be very interesting to ad information of disease activity to your cohort as the grade of inflammation may have higher influence on the vitamin D status than the diagnosis of IBD. If disease activity data is not available I will suggest that you address this limitation in the discussion.

1. Ham M, Longhi MS, Lahiff C, Cheifetz A, Robson S, Moss AC. Vitamin D levels in adults with Crohn's disease are responsive to disease activity and treatment. *Inflamm. Bowel Dis.* 2014;20(5):856-60.

ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

ESPS manuscript NO: 30022

Title: Predictors of vitamin D deficiency in inflammatory bowel disease and health: A Mississippi perspective

Reviewer's code: 03662768

Reviewer's country: South Africa

Science editor: Jing Yu

Date sent for review: 2016-09-06 08:20

Date reviewed: 2016-10-05 00:48

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 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"/> Duplicate publication	
<input checked="" type="checkbox"/> Grade D: Fair	<input checked="" 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 checked="" 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

Epidemiological investigations are vital to our understanding of IBD clinical course, particularly in context to vitamin D status. While the present research is an important contribution, the submitted manuscript as it stands requires considerable revision. I encourage the authors to review the comments and strengthen the submission.