

## ESPS PEER-REVIEW REPORT

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

**ESPS manuscript NO:** 16734

**Title:** Molecular aspects of intestinal calcium absorption

**Reviewer's code:** 00068527

**Reviewer's country:** Italy

**Science editor:** Yuan Qi

**Date sent for review:** 2015-01-28 17:43

**Date reviewed:** 2015-02-11 19:54

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	PubMed Search:	<input checked="" type="checkbox"/> [ Y] Accept
<input type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> [ Y] Grade B: Minor language polishing	<input type="checkbox"/> The same title	<input type="checkbox"/> [ ] High priority for publication
<input checked="" type="checkbox"/> [ Y] 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"/> [ Y] No	<input 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"/> [ Y] No	

## COMMENTS TO AUTHORS

In this manuscript the Authors made an updated review on the current knowledge of the molecular mechanisms underlying the intestinal Ca<sup>2+</sup> absorption. In particular, they illustrate in detail both transcellular and paracellular pathways through which Ca<sup>2+</sup> absorption occurs, and describe the role and regulations of molecular components of these pathways. They remark in the conclusions that the improvement of the current knowledge concerning the regulation of intestinal Ca<sup>2+</sup> absorption are fundamental for developing nutritional or medical strategies aimed to optimize the efficiency of intestinal Ca<sup>2+</sup> absorption and to prevent osteoporosis and other pathologies related to Ca<sup>2+</sup> metabolism. The manuscript is well written and gives an exhaustive update on the topic, reporting about 150 references. It can be of great utility for researchers and clinicians involved in the study of the intestinal calcium absorption and in the development of innovative preventive and therapeutic strategies for pathologies related to Ca<sup>2+</sup> metabolism. It is therefore acceptable for publication pending minor revisions concerning few English errors/inaccuracies that should be corrected. I attach a pdf copy of the paper with my suggestion at the following pages: -pg. 4 (Abstract): - pg. 6 (Introduction) - pg. 13 (lane 7) - pg. 15 (Comment on English language) - pg. 19 (Lane 26) - pg. 20



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(Lane 3) - pg. 21(Lane 22): "hyypocalcemia" should be "hypocalcemia"

## ESPS PEER-REVIEW REPORT

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

**ESPS manuscript NO:** 16734

**Title:** Molecular aspects of intestinal calcium absorption

**Reviewer's code:** 00068574

**Reviewer's country:** France

**Science editor:** Yuan Qi

**Date sent for review:** 2015-01-28 17:43

**Date reviewed:** 2015-02-12 00:42

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	PubMed 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 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 checked="" 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 review on intestinal calcium absorption is clear and well documented. Minor points: -page 9 lines 7-8: what do the authors mean by: "This process still occurred to some extent in the TRPV6D541A/D541A mice". This sentence is not consistent with the previous one. -page 23 lines 16-17: the authors should specify: 31% of  $Ca^{2+}$  dietary intake and 20% total  $Ca^{2+}$  intake.

## ESPS PEER-REVIEW REPORT

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

**ESPS manuscript NO:** 16734

**Title:** Molecular aspects of intestinal calcium absorption

**Reviewer's code:** 00068528

**Reviewer's country:** Italy

**Science editor:** Yuan Qi

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**Date reviewed:** 2015-02-15 04:05

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	PubMed 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 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 checked="" 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

In this interesting review the authors describe all the molecular mechanisms involved in the intestinal  $Ca^{2+}$  absorption. The article is well written and focuses on all the aspects of intestinal calcium absorption. I consider this paper suitable for publication on WJG. Thank you for considering me as a reviewer for this manuscript. Best regards.

## ESPS PEER-REVIEW REPORT

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

**ESPS manuscript NO:** 16734

**Title:** Molecular aspects of intestinal calcium absorption

**Reviewer's code:** 00053580

**Reviewer's country:** Brazil

**Science editor:** Yuan Qi

**Date sent for review:** 2015-01-28 17:43

**Date reviewed:** 2015-01-29 05:46

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input checked="" type="checkbox"/> Grade A: Priority publishing	PubMed 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 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 checked="" 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

This is a very well written and interesting manuscript, and carefully designed figures, albeit it does not exactly reaches the focus of the WJG. On the other hand, the manuscript is too long and some paragraphs should be resumed.

## ESPS PEER-REVIEW REPORT

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

**ESPS manuscript NO:** 16734

**Title:** Molecular aspects of intestinal calcium absorption

**Reviewer's code:** 00068443

**Reviewer's country:** China

**Science editor:** Yuan Qi

**Date sent for review:** 2015-01-28 17:43

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CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input checked="" type="checkbox"/> Grade A: Priority publishing	PubMed 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
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		BPG Search:	
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		[Y] No	

## COMMENTS TO AUTHORS

This is an interesting overview of the literature related to mechanism of the intestinal calcium absorption. The paper is clearly written and contains valuable information. Publishing it would be of great value for clinicians.