

ESPS Peer-review Report
Name of Journal: World Journal of Diabetes

ESPS Manuscript NO: 7773

Title: Evidence for altered thiamine metabolism in diabetes: Is there a potential to oppose gluco- and lipotoxicity by rational supplementation?

Reviewer code: 02451558

Science editor: Wen, Ling-Ling

Date sent for review: 2013-12-01 08:46

Date reviewed: 2013-12-19 13:24

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 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 type="checkbox"/> Minor revision
<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

The major objective of this review was to summarise the evidence for the beneficial effect of thiamine supplementation in progression of hyperglycaemia-related pathology and, to justify its importance in determining the harmful impact of hyperglycaemia in diabetes. This review provided some information, but some major concerns should be considered. (1) As the author described in the manuscript "selected aspects of thiamine metabolism abnormalities in relation to diabetes has been reviewed earlier", this review did NOT provide some new information for this aspect to us. In addition, most of the references were published before the year of 2010. Articles published in the past three years are very few. (2) The title was "Evidence for altered thiamine metabolism in diabetes: Is there a potential to oppose gluco- and lipotoxicity by rational supplementation?". This question has not been clarified in the manuscript. The question mark should be explained clearly and discussed fully.

ESPS Peer-review Report

Name of Journal: World Journal of Diabetes

ESPS Manuscript NO: 7773

Title: Evidence for altered thiamine metabolism in diabetes: Is there a potential to oppose gluco- and lipotoxicity by rational supplementation?

Reviewer code: 02821172

Science editor: Wen, Ling-Ling

Date sent for review: 2013-12-01 08:46

Date reviewed: 2014-01-03 09:53

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 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"/> No records	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D (Fair)	<input type="checkbox"/> Grade D: rejected	<input type="checkbox"/> Existed	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E (Poor)		<input type="checkbox"/> No records	<input type="checkbox"/> Major revision

COMMENTS TO AUTHORS

This manuscript entitled "Evidence for altered thiamine metabolism in diabetes: is there a potential to oppose gluco- and lipotoxicity by rational supplementation" by Pacal et al. reviewed the role of thiamine in the metabolism of glucose and amino acids and summarized potential beneficial effects of thiamine supplementation. Thiamine drop has been noted in diabetic patients; however, the potential etiology of such changes, the mechanisms and how a thiamine supplementation therapy could benefit patients from the pathologic hyperglycemic conditions remains unclear. Thus it is important to summarize studies related to aforementioned topics related to changes of thiamine in diabetes. However, in order for this manuscript to be published in this journal or another one, the authors should address the following comments: 1. A lot of the words were not displayed properly, even including the names and address of the authors. 2. The authors tend to use long sentences in their text, which makes it difficult to interpret. The authors should break long sentences into shorter ones in order to make it clear. 3. The authors should have their grammars checked and corrected throughout the text by some native English speakers. Minor: 1. Hyperglycemia is spelled wrong as "hyperglycaemia" throughout the text. 2. it should be "more importantly" instead of "more important". 3. On p12, it should be "importantly" but not "Important", before "since no changes in fasting plasma glucose.....".

ESPS Peer-review Report

Name of Journal: World Journal of Diabetes

ESPS Manuscript NO: 7773

Title: Evidence for altered thiamine metabolism in diabetes: Is there a potential to oppose gluco- and lipotoxicity by rational supplementation?

Reviewer code: 02446589

Science editor: Wen, Ling-Ling

Date sent for review: 2013-12-01 08:46

Date reviewed: 2014-01-09 19:14

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
<input type="checkbox"/> Grade A (Excellent)	<input type="checkbox"/> Grade A: Priority Publishing	Google Search:	<input checked="" type="checkbox"/> Accept
<input checked="" 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 type="checkbox"/> Grade C (Good)	<input type="checkbox"/> Grade C: a great deal of	<input type="checkbox"/> No records	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D (Fair)	language polishing	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

GENERAL COMMENTS The authors review the most recent studies about thiamine metabolism and discuss pathological significance of this altered thiamine levels in diabetic status. Furthermore they provide a collection of thiamin replacement therapies that aimed to reverse the diabetic abnormalities in animal and human subjects. And finally they concluded that molecular mechanisms of thiamin deficiency in diabetic conditions is still far from understanding clearly and needs further investigation. **SPECIFIC COMMENTS** The title reflects the content of text. All sections are well-developed and organized legitimately. There are some minor typing errors as exemplified below. Page 8 last line: proteinkinase should be separated.