

ESPS Peer-review Report

Name of Journal: World Journal of Cardiology

ESPS Manuscript NO: 10142

Title: Is ABO blood group truly a risk factor for thrombosis and adverse outcomes

Reviewer code: 00542396

Science editor: Xiu-Xia Song

Date sent for review: 2014-03-15 20:48

Date reviewed: 2014-03-20 19:38

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)		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

The manuscript by Zhou S and Welsby I, compiles a lot of relevant information regarding the possible relationship between ABO blood group and the risk of suffering thrombosis and adverse outcomes. I believe that the manuscript is good enough to be considered suitable for being published in the journal, but authors should led with the following consideration before I take a final decision on this manuscript. Major points: 1.- Reference section includes so many references, but unfortunately not many of them have been updated. I mean in this review only 7 of 58 are references dated within the last three year, even more considering the relevance of the revised topic in the field, I would expect that author would be included more actual references related ABO role in thrombosis. I would encourage to authors to consider following ones: - Zhang H et al. Int J Vas Med. 2012 - Sode BF et al. CMAJ. 2013 - De Paula Sabino A et al. CMAJ. 2013 - Franchini M et al. J Thromb Thrombolysis. 2013 - Dentali F et al Semin Thromb Hemost 2014 2.- I miss in the introduction section a paragraph in which authors describes all ABO types or combinations described nowadays. It is true that they include this classification in table 2, but it would be easy for the reader comprehension if author would establish from the beginning all subtype of ABO classification of which they are discussing later in their manuscript. 3.- In the "ABO and von Willebrand factor" section, authors define what vWF is in the third paragraphs, it would be better from my point of view to alter the order of the paragraph hence definition of vWF should appear at the beginning to the section and then the description of the relationship between ABO and vWF. Similarly, authors explain the function of the vWF in thrombosis when referred to VTE (third sentence from the top in section Venous Thromboembolism). I believe this particular sentence should be merged with the



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paragraph previously mentioned. Minor points: - Authors use the same numeration and format to designate the ABO groups and the domains within vWF structure, and it might result confusing, please change the nomenclature of the protein domain (in ABO and VWF section) to easily differentiate among both. - At the end the second sentence in "Mechanism for ABO related variability in vWF levels" section, author use incorrectly the word formulation, I would use "thrombus generation" instead. - When referred that A,B, H antigen can be localized also within vWF structure, authors use the term: expressed. I would rather suggest the use of "present". - At the end the first sentence of the second paragraph of the "Mechanism for ABO related variability in vWF levels" section, author state, "explaining some inconsistencies in the various studies we report. For example," I guess that the full stop should be substituted by dot and comma or comma. - Reference section: some references include the month and the day of publication, while others lack of month of publication information. Authors should include all references using the same format for all the entries. -In the abbreviations section "TSP-1 Thrombospndin" should read TSP-1 "Thrombospondin" instead.

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Title: Is ABO blood group truly a risk factor for thrombosis and adverse outcomes

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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 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 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 is an interesting review to evaluate the relationship between ABO blood group a risk for thrombosis. The paper is well written. - I would add a paragraph trying to assess the relationship between blood abnormalities and thrombosis after transplantation where chronic inflammatory response may play a role. -Minor issue: correct "Enviornmental" in the Figure.