

PEER-REVIEW REPORT

Name of journal: World Journal of Transplantation

Manuscript NO: 35348

Title: Human leukocyte antigen typing and crossmatch: A comprehensive review

Reviewer's code: 00503062

Reviewer's country: Japan

Science editor: Jin-Xin Kong

Date sent for review: 2017-07-14

Date reviewed: 2017-07-15

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 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 manuscript by Althaf et al. reviewed HLA typing and crossmatch procedure with presentation of a kidney transplantation case. The topic is interesting and the manuscript is well written. But, I have some comments on the manuscript. It is better to show contents of this manuscript first. Authors use "B cells" and "B and T lymphocytes" in this manuscript. Use either "cells" or "lymphocytes". Figures and Table: The resolution of figures and table is too bad. Improve it. References: Authors should follow the journal's instruction for fonts and journal names, etc. There are careless and grammatical errors in English through manuscript. Check the manuscript again. Followings are examples of careless and grammatical errors in English. Page 2, line 5, 6 from bottom. "Systemic Lupus Erythematosus" reads "Systemic lupus erythematosus". Page 3, line 21. "compliment" reads "complement". Page 11, line 10. "human immunoglobulin" reads "anti-human immunoglobulin". Page 13, line 6 from bottom. "in to" reads "into".

PEER-REVIEW REPORT

Name of journal: World Journal of Transplantation

Manuscript NO: 35348

Title: Human leukocyte antigen typing and crossmatch: A comprehensive review

Reviewer's code: 03655783

Reviewer's country: Spain

Science editor: Jin-Xin Kong

Date sent for review: 2017-07-14

Date reviewed: 2017-07-20

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 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
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		<input type="checkbox"/> Plagiarism	
		[Y] No	

COMMENTS TO AUTHORS

Major revision: 1. Page 8: "An offer for a recipient with high cPRA is a high probability of a negative crossmatch". It is a confusing sentence, considering that highly sensitized patients are more likely to have a positive CDC-XM. 2. Being a review, some affirmations within the text would need more references supporting them (i.e. non-HLA antibodies as clinical predictors of transplant outcome, percentages of FP and FN). 3. Page 9: "Here, high titer antibodies trigger activation of complement with deposition of complement proteins on the bead". This is referred as a cause of FN due to prozone phenomenon for SAB tests. However, in these assays there is not an addition of exogenous complement. Are the authors suggesting that endogenous complement proteins present in the sera from patients could lead to these results? Please support with references Minor revision: 1. It should be noted that serological typing has fallen into desuse and therefore mentioned within the text. 2. Although generally very well-written, there are some grammatical mistakes: HLA antibodies -- anti-HLA

antibodies (within all the main body) ever -- even (page 1) in improved -- in improving (page 1) SAB mentioned for the first time without explanation for the acronym (page 2) compliment -- complement (page 3) dependant -- dependent (page 7) It's range -- Its range (page 9) form -- from (page 10) in to -- into (page 13)