



# BAISHIDENG PUBLISHING GROUP INC

8226 Regency Drive, Pleasanton, CA 94588, USA

Telephone: +1-925-223-8242

Fax: +1-925-223-8243

E-mail: bpgoffice@wjgnet.com

http://www.wjgnet.com

## ESPS PEER-REVIEW REPORT

**Name of journal:** World Journal of Nephrology

**ESPS manuscript NO:** 16934

**Title:** Sex bias in response to hepatitis B vaccination in end-stage renal disease patients: Meta-analysis

**Reviewer's code:** 00503292

**Reviewer's country:** South Africa

**Science editor:** Fang-Fang Ji

**Date sent for review:** 2015-02-04 20:08

**Date reviewed:** 2015-02-05 21:50

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 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"/> Duplicate publication	
<input 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 checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Minor revision
	<input type="checkbox"/> Grade D: Rejected	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

1. There are several grammatical errors that need to be corrected. 2. The authors confuse sex with gender and this needs to be addressed. 3. The authors should consider if this meta analysis findings are grounds for making recommendations with respect to dose and frequency of administration of hepatitis B vaccine and how to test for immunogenicity. 4. Chronic kidney disease ranges from stage 1 - 5 (with 5 being end-stage kidney disease) and the authors should specify what stage(s) they are referring to in the article. 5. The headings of the tables need to be revised to reflect exactly what is in the table.



ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Nephrology

ESPS manuscript NO: 16934

Title: Sex bias in response to hepatitis B vaccination in end-stage renal disease patients: Meta-analysis

Reviewer's code: 00503274

Reviewer's country: Poland

Science editor: Fang-Fang Ji

Date sent for review: 2015-02-04 20:08

Date reviewed: 2015-02-07 21:43

Table with 4 columns: CLASSIFICATION, LANGUAGE EVALUATION, SCIENTIFIC MISCONDUCT, CONCLUSION. It contains checkboxes for various evaluation criteria like 'Grade A: Excellent', 'Duplicate publication', 'Plagiarism', etc.

COMMENTS TO AUTHORS

The paper entitled "Gender bias in response to hepatitis B vaccination in end-stage renal disease patients: meta analysis" showed significant effect for the gender of CKD and especially hemodialysis patients on the immunogenicity of HB vaccination. The concept of the paper fall within the scope of World Journal of Nephrology. The paper is well-written and the results have potential clinical applications. However, there are a number of issues need to be addressed by the Authors: 1. Why the Authors did not use the keyword "peritoneal dialysis" while searching the databases? The rapid search in PubMed, crossing the terms "peritoneal dialysis" and "hepatitis B vaccination", identify at least a few potentially useful papers that were not included in the meta-analysis. 2. Given the differences between recombinant and plasma-derived vaccines with respect to physicochemical properties and immunogenicity (see M?st J Vaccine 1992; 10:740) I am not sure if patients vaccinated with plasma-derived vaccines should be included in the study (or the Authors should comment on this issue). 3. Did the Authors included exclusively randomized controlled trials and quasi-controlled trials? 4. The participants were much younger (44-61 years) then most dialysis



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<http://www.wjgnet.com>

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patient. It should be discussed.



ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Nephrology
ESPS manuscript NO: 16934
Title: Sex bias in response to hepatitis B vaccination in end-stage renal disease patients: Meta-analysis
Reviewer's code: 00503014
Reviewer's country: China
Science editor: Fang-Fang Ji
Date sent for review: 2015-02-04 20:08
Date reviewed: 2015-02-28 17:07

Table with 4 columns: CLASSIFICATION, LANGUAGE EVALUATION, SCIENTIFIC MISCONDUCT, CONCLUSION. It contains checkboxes for various evaluation criteria like 'Grade A: Excellent', 'Duplicate publication', and 'Plagiarism'.

COMMENTS TO AUTHORS

Here, the authors systematically reviewed the existing literature for studies investigating the potential effect of gender of dialysis patients on the immunogenicity of HBV vaccines in their patient population. This is an interesting article, but some concerns should be clarified by the authors. 1. Inclusion and exclusion criteria: (2) "they should have been conducted using prospective approach" : Is there randomized control trial or not ? (3) " they were included into the meta-analysis if their vaccine was either plasma-derived or recombinant DNA preparations." : The author should review the difference of effect between plasma-derived or recombinant DNA preparations of HBV vaccine in introduction section. 2. The meta-analysis included clinical trials that published ranged from 1994 to 2014. Is there any evolution in the vaccine preparation? Minor concern: 1. In the text, there are some mistakes in spelling: 1> Meta analysis 2> All statistical pooling was conducted using "metan" user-written commands.( Statistical methods)