

ESPS PEER-REVIEW REPORT

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Title: Central blood pressure and chronic kidney disease

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CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	Google Search:	<input type="checkbox"/> [Y] Accept
<input type="checkbox"/> [Y] 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 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 type="checkbox"/> [Y] No	

COMMENTS TO AUTHORS

The manuscript by Ohno et al. is interesting and the main topics are well addressed. However, I believe it requires many modifications. Above all, it must be sent for English language revision. Some phrases are difficult to understand at all. Title: I think Chronic kidney "disease" rather than "diseases" fits better. Abstract: Abbreviations are to be avoided in this section. Line 8: "a rather direct transmission of systemic blood pressure to glomeruli": Please redo this phrase. Perhaps replacing the word "rather" by "augmented" solves the issue. Core tip: Line 1: Wave refraction is a major... Line 4: The kidney produces oxidative stress COMPOUNDS DUE TO PROTEINURIA HANDLING AND TO SECONDARY INTERSTITIAL INFLAMMATION is better. Introduction: Line 3. "The diastolic and mean....": Please justify this statement. Last line: "In any given site...", please justify and replace "In" by "At". Page 6, line 1: "How does a single HEART stroke". Again in page 7 line 3. Page 7: Many English grammar mistakes. Second paragraph: I do not agree with this statement: Increased systolic BP is also dangerous for young people. Please justify this issue with proper references and add my argument to the text with the appropriate discussion. Page 8: After the third line, authors should justify this issue just by numbering the real causes of this phenomenon



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and the role altered intimal, medial and adventitial compartments of arteries in CKD play. CENTRAL BLOOD PRESSURE CORRELATES BETTER WITH REAL BP THAN BRACHIAL BP. I believe this sentence could be added as the second sentence of the first paragraph. CV is not outlined in the text. "Until recently.....by which...". Please delete BY WHICH and end the sentence with EFFICIENTLY. Page 9: Second paragraph second line: Please replace "have such errors" by other words. INCREASED BLOOD PRESSURE IS AN IMPORTANT CARDIOVASCULAR RISK FACTOR (This title should be employed according to the content of the paragraph. The same in Line 1: "Recent...that INCREASED" central..." Page 10: Lines 8 and 9: "...suggesting that A CORRECT central blood pressure MEASUREMENT is A more ACCURATE PARAMETER than..." Lines 13 and 14: "...that THE MEASUREMENT OF central..." Line 19: "...with CKD MAINLY DUE TO CALCIFICATION, OSSIFICATION AND SMOOTH MUSCLE CELL VASCULAR REMODELLING." PAGE 11: TGF should be very briefly explained. PAGE 12: Third line, "...the TGF, AND CAUSING SECONDARY HYPERALDOSTERONISM WITH INCREASED VOLUME EXPANSION AND HYPERTENSION". Authors could improve the content of this section by explaining the way Sodium changes intracellular endothelial actin content and modifies BP. In this page authors talk about angiotensin all of the sudden. Please explain. Page 13: The conclusion of the first paragraph does not align with the given explanation. PAGE 14: Last sentence of main paragraph: Address EPITHELIAL TO MESENCHYMAL TRANSITION as another factor that leads to ischaemia and fibrosis. PAGE 15: Last sentence of first paragraph: INCREASED central BP". Second paragraph, 4th line: Replace FACTOR by SITUATION. PAGE 16 LINES 16 TO 18 must be rewritten. PAGE 17: First sentence is confusing. Add aliskiren to the drugs depicted. PAGE 18: Explain FMD. Last sentence of this page must be accompanied by references. PAGE 19: Some words should be changed to vitamin D and its role in BP modulation. PAGE 20: ONE CANNOT be replaced by IT IS NOT POSSIBLE TO. REFERENCES must follow WJN instructions.