

## **Responses to the Reviewer:**

**The manuscript by Ohno et al. is interesting and the main topics are well addressed. However, I believe it requires many modifications.**

We thank the Reviewer for pointing out several points to make the manuscript more scientific and appreciate for suggesting the modifications to fit for World Journal of Nephrology.

**Above all, it must be sent for English language revision. Some phrases are difficult to understand at all.**

We have sent the manuscript for English Editing, and incorporated all of his suggestions. The certificate was attached.

**Title: I think Chronic kidney "disease" rather than "diseases" fits better.**

The title was revised.

**Abstract: Abbreviations are to be avoided in this section.**

We spell out all words in the abstract. Please note that word counts exceed over 200 to respond to the request by the Reviewer.

**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.**

The sentence was revised.

**Core tip: Line 1: Wave reflection is A major...**

The sentence was revised.

**Line 4: The kidney produces oxidative stress COMPOUNDS DUE TO PROTEINURIA HANDLING AND TO SECONDARY INTERSTITIAL INFLAMMATION is better.**

The sentence was revised.

**Introduction: Line 3. "The diastolic and mean....: Please justify this statement.**

The sentence was justified by citing the reference.

**Last line: "In any given site...", please justify and replace "In" by "At".**

The sentence was revised, and justified by citing the reference.

**Page 6, line 1: "How does a single HEART stroke".**

The sentence was revised.

**Again in page 7 line 3.**

The sentence was revised.

**Page 7: Many English grammar mistakes.**

We have sent the manuscript for English Editing, and incorporated all of his suggestions.

**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.**

The Reviewer's concern was expressed by adding the sentences. The original sentence was justified by citing the reference.

**Page 8: After the third line, authors should justify this issue just by numbering the real causes of this phenomenon and the role altered intimal, medial and adventitial compartments of arteries in CKD play.**

The sentence was revised.

**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.**

The sentence was added.

**CV is not outlined in the text.**

The sentence was revised.

**"Until recently.....by which...". Please delete BY WHICH and end the sentence with EFFICIENTLY.**

The sentence was revised.

**Page 9: SEcond paragraph secnd line: Please replace "have such errors" by other words.**

The sentence was revised.

**INCREASED BLOOD PRESSURE IS AN IMPORTANT CARDIOVASCULAR RISK FACTOR (This title should be employed according to the content of the paragraph.**

The heading was revised.

**The same in Line 1: "Recent...that INCREASED" central..."**

The sentence was revised.

**Page 10: Lines 8 and 9: "...suggesting that A CORRECT central blodd pressuree MEASUREMEENT is A more ACCURATE PARAMETER than..."**

The sentence was revised.

**Lines 13 and 14: "...that THE MEASUREMENT OF central..."**

The sentence was revised.

**Line 19: "...with CKD MAAINLY DUE TO CLACIFICATION, OSSIFICATION AND SMOOTH MUSCLE CELL VASCULAR REMODELLING."**

The sentence was revised.

**PAGE 11: TGF should be very briefly explained.**

The sentences were added to explain TGF.

**PAGE 12: Third line, "...the TGF, AND CAUSING SECONDARY HYPERALDOSTERONISM WITH INCREASED VOLUME EXPANSION AND HYPERTENSION".**

The sentence was revised.

**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.**

The sentences were added to explain the importance of RAS in CKD.

**Page 13: The conclusion of the first paragraph does not align with the given explanation.**

The sentence was revised.

**PAGE 14: Last sentence of main paragraph: Address EPITHELIAL TO MESENCHYMAL TRANSITION as another factor that leads to ischaemia and fibrosis.**

The sentence was added to address EMT.

**PAGE 15: Last sentence of first paragraph: INCREASED central BP".**

The sentence was revised.

**Second paragraph, 4th line: Replace FACTOR by SITUATION.**

The sentence was revised.

**PAGE 16 LINES 16 TO 18 must be rewritten.**

The sentence was revised.

**PAGE 17: First sentence is confusing.**

The sentence was revised.

**Add aliskiren to the drugs depicted.**

The sentence was added to address the Reviewer's concern.

**PAGE 18: Explain FMD.**

The sentences were added to explain FMD.

**Last sentence of this page must be accompanied by references.**

The sentence accompanied the reference in the revised manuscript.

**PAGE 19: Some words should be destined to vitamin D and its role in BP modulation**

The sentences were added to address the Reviewer's concern.

**PAGE 20: ONE CANNOT be replaced by IT IS NOT POSSIBLE TO**

The sentence was revised.

**REFERENCEES must follow WJN instructions.**

References were revised accordingly.