

Review Form 1.6

| | |
|--------------------------|--|
| Journal Name: | International Journal of Advances in Nephrology Research |
| Manuscript Number: | Ms_IJANR_86512 |
| Title of the Manuscript: | RELATIONSHIP BETWEEN MATERNAL HYDRONEPHROSIS AND ESTIMATED FOETAL WEIGHT IN BAYELSA STATE, SOUTH-SOUTH NIGERIA |
| Type of the Article | Original Research Article |

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<https://www.journalijanr.com/index.php/IJANR/editorial-policy>)

Review Form 1.6

PART 1: Review Comments

| | Reviewer's comment | Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here) |
|-------------------------------------|--|---|
| Compulsory REVISION comments | <p>Although the presence of maternal hydronephrosis in pregnancy is well documented, the authors bring new regional insights to the theme that will help to better understand this physiological phenomenon. But there are some points that need to be reviewed and clarified before the manuscript is published.</p> <p>General:</p> <p>Methods: (including in the abstract section, as appropriated):</p> <ol style="list-style-type: none"> In the sentence: <i>The estimated foetal weight and the dimensions of the renal pelvis and calyx were measured for 400 consecutive normal pregnant women in our Centres</i> – it is important to clarify when the sonographic measurements of the renal pelvis were made and when, and how, was measured/estimated the foetal weight. What measures have been taken to standardize the evaluations of the dimensions of the renal pelvis and calyx? It is not clear how the women were counselled and if this was done after they signed the informed consent. Please clarify. It is not specified in the text how the information on age, gestational age and blood pressure of the women were obtained. The reference for the formula that was used to calculate the renal volume is missing (<i>Using the formula, volume = length x width x breadth x 0.523, the renal volume was calculated</i>). <p>Results: (including in the abstract section, as appropriated):</p> <ol style="list-style-type: none"> The manuscript should be as clear as possible to all. Symbols need to be explained and consistent around the text, tables, and figures, either in the methods or results section. The authors used ρ in the text and ρ in the table. And it is missing the explanation in the text that ρ represents the Spearman correlation coefficient and measure the strength of association. Please correct. The same for the “F” (<i>The gestational age (F = 5.25; p – 0.006) and estimated foetal weight (F = 5.79; p – 0.004)</i>). What does it mean? The expected values also need to be explained Figure 2 needs to be further discussed Figure 3 seems purposeless. Is it a result? If yes, what about the abnormal, hydronephrotic examples? I don't understand the need to include a normal exam in a paper that discusses hydronephrosis unless the three kinds of results (normal and grade I and II) were compared. <p>Discussion: This chapter needs to be generally improved.</p> <ol style="list-style-type: none"> The literature, according to the discussion, also includes symptomatic cases of maternal hydronephrosis, as published by Farr and Bayraktar, for example. The authors need to deepen the discussion on the differences. In what basis did the authors hypothesized that variations in genetics may play a role? Is there any study, personal experience, or reference to support it? It is essential to clarify it to sustain the hypothesis. I didn't understand what the authors mean by “<i>The reason for our finding is not clearly understood</i>” – what findings were these? The predominantly asymptomatic hydronephrosis that is known to occur during pregnancy? These are well understood. The lower grade of hydronephrosis compared to the other studies? The present study confirmed a relationship between maternal hydronephrosis and estimated foetal weight, and gestational age. Is it possible that these factors also influenced the degree of hydronephrosis? Unless the authors have studied the influence of hydronephrosis in the foetal growth, they can't say there is no adverse effect. The authors need to include in the discussion the clinical importance of the study. It would be a nicer way to finish the discussion section. | |
| Minor REVISION comments | <ol style="list-style-type: none"> Some sentences are repeated through the text, and it would be nicer to group the ideas to avoid repetition. For example, in the discussion section: Our findings suggests that pregnancy-induced hydronephrosis is physiological and its severity is in tandem with increasing foetal size with no adverse effect on foetal growth. Overall, our findings suggest pregnancy-induced hydronephrosis is physiological and its severity increases with increasing gestational age. Why not group both sentences in one? There are typos and grammatical mistakes throughout the text and the references that need attention | |
| Optional/General comments | <p>The manuscript is well writing and discusses a very important aspect of pregnancy: the complications that are related to the physiological changes of the maternal body and the presence of the foetus. And, most importantly, those complications will resolve by themselves after birth.</p> | |

[Review Form 1.6](#)

PART 2:

| | Reviewer's comment | Author's comment <i>(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i> |
|---|--|---|
| Are there ethical issues in this manuscript? | <i>(If yes, Kindly please write down the ethical issues here in details)</i> | |

Reviewer Details:

| | |
|----------------------------------|-----------------------------------|
| Name: | Lucia Maria Costa Monteiro |
| Department, University & Country | Brasil |