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OPEN PEER REVIEW

Value of Urine Neutrophil Gelatinase Associated Lipocalin for Prediction of Ureteropelvic Junction Obstruction in Children

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About this report

This open peer review (OPR) report shows the public comments made on this article during peer review, by the reviewers, the associate editor and the editor-in-chief, for every revision round, together with the authors' replies. Comments appear only with the consent of the people who wrote them. Reviewers who chose to sign their report are named; the others are shown as "Referee". Comments are edited for language only, and confidential remarks to the editors are not included.

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1 Original submission

1 comment · 25 Apr 2024

Associate Editor

MINOR REVISION 25 Apr 2024

Minor Revision

2

Revision 1

AUTHORS' RESPONSE TO REVIEWERS

Authors' reply to reviewers

The next pages contain the authors' point-by-point reply to the comments of this revision round, as submitted with the revised manuscript. It is published as the authors wrote it.

Reply to the Reviewers' Comments:

The title of the article describes the type of cohort in the article.

Reply: The type of study was changed in to the cohort in the materials and methods section.

Oneteropelvic junction obstruction more to be explained in the introduction.

Reply: More explanation of UPJO was added to the introduction.

Explain how to follow-up patients.

Reply: It is not a follow-up study. The authors compare uNGAL excretion in 2 groups of children at the time of diagnosis, with no follow up study.

State the limitations of your work.

Reply: Limitation is described at the end of the article and highlighted.

Explain how the size of the study was achieved.

Reply: The sample size was obtained by the following formula:

The sample size was calculated based on the sample size determination formula to compare the median of the two populations. Values has been extracted from the study (Urinary NGAL, cystatin C, β2-microglobulin, and osteopontin significance in hydronephrotic children (Reference No 2). Mia Gebauer Madsen & Rikke Nørregaard , Johan Palmfeldt & Lars Henning Olsen and Jørgen Frøkiær & Troels Munch Jørgensen).

$$n=\frac{\left(\frac{\pi^2}{6}+\frac{\pi^2}{6}\right)\left(z_{\frac{\alpha}{2}}+z_{\beta}\right)^2}{\left(\log m_1-\log m_2\right)^2}=104\ for\ two\ group$$

$\alpha=0.1$

$\beta=0.7$

$m_1=11.9$

$m_2=8.1$

2 Revision 1

0 comments

No public comments in this round.