

Response to reviewer's comments

Manuscript NO: 58468, Title: Congenital nephrogenic diabetes insipidus due to the mutation in AVPR2 (c.541C>T)in a neonate:A case report

Reviewer #1:

Scientific Quality: Grade B (Very good)

Language Quality: Grade A (Priority publishing)

Conclusion: Accept (General priority)

Specific Comments to Authors: First - a very interesting clinical case Second - new results obtained in this study (confirmed by genetic tests) Third - genetic testing of AVPR2 and AQP2 can be used for screening and genetic diagnosis of CNDI in the neonatal period.

Response: Thank you,we appreciate your overall appraisal on our work.

Reviewer #2:

Scientific Quality: Grade C (Good)

Language Quality: Grade B (Minor language polishing)

Conclusion: Major revision

Specific Comments to Authors: In this report, the authors present a case of congenital nephrogenic diabetes insipidus in a new born baby due AVPR2 mutation. I have the following recommendations to improve the manuscript:

1. please provide urine osmolality and calculate free water deficit and provide more details on how hypotonic fluid was administered to correct free water deficit.

Response: Thank you for your helpful suggestion. In the revised manuscript, We have provided urine osmolality and added skin and oral mucosa were mildly dry in the physical examination upon admission. Consider mild dehydration in combination with mild dryness of the child's skin and oral mucosa. The patient was fed on demand, and water was additionally provided between milk intakes(30-50ml). A combination treatment of hydrochlorothiazide and amiloride was administered. After the treatment, dehydration was corrected.

2. Describe the mechanism of action of hydrochlorothiazide and amiloride in this situation.

Response: Thank you for your useful suggestion. In the revised manuscript, We have described the mechanism of action of hydrochlorothiazide and amiloride in the part of “DISCUSSION”.

3. Please provide a review of the literature describing similar cases

Response: Thank you for your kind suggestion. In the revised manuscript, We have provided a review of the literature describing similar cases in the part of “DISCUSSION”.