Reviewer's report

Title: Recurrent exercise-induced acute renal failure in a young Pakistani man with severe renal hypouricemia and SLC2A9 compound heterozygosity

Version: 1 Date: 25 October 2013

Reviewer: Toru Kimura

Reviewer's report:

Anthers have shown that SLC2A9 compound heterozygosity leads terrible renal hypouricemia and exercise-induced acute renal failure. These mutations have been already shown, however, this manuscript reports interesting clinical findings.

There are a few issues that need to be addressed.

(Minor Essential Revisions)

page 3, lane 18
reference 11 is wrong

page 3, lane 22-
In contrast, UA absorption from the tubular lumen is carried out not only by URAT1 but also by GLUT9S and possibly other apical transporters.

There is no evidence that GLUT9S is expressed at apical membrane of proximal tubules, in which urate reabsorption occurs. You need to change sentence.

page 8, lane 14-
During the patient’s first admission, his low serum UA levels, as well as the presence of UA crystals in his urine, were not taken into account, leading to a missed diagnosis.

The patient's urate concentration was 2.9 mg/ml at 1st admission. This value is not so low for renal hypouricemia. (Of course, his urate level was extremely low (0.2 mg/ml) at 1st admission.) You may need to change the sentence.

page 9, lane 8
pumps # transporters

Level of interest: An article of importance in its field

Quality of written English: Acceptable

Statistical review: No, the manuscript does not need to be seen by a statistician.
Declaration of competing interests:

I declare that I have no competing interests.