Reviewer's report

Title: Gitelman's syndrome after cisplatin therapy: a case report and literature review.

Version: 1 Date: 29 March 2006

Reviewer: Kreso Galesic

Reviewer's report:

General

The present manuscript (Gitelman's syndrome after cisplatin therapy: a case report and literature review) describes a case of Gitelman's syndrome in association with cisplatin therapy. It suggests an association between cisplatin therapy and Gitelman's syndrome as it has already been proposed in previous case reports. The work is a well-presented report, with a good discussion acknowledging the previous publications, and supporting the link between cisplatin therapy and Gitelman's syndrome. There are, however, some issues that need to be addressed by the Authors to further improve the quality of the manuscript.

1. The plasma renin activity and plasma aldosteron concentration should be given. Increased plasma renin and plasma aldosteron are laboratory characteristics of Gitelman's syndrome.
2. The kidney concentrating capacity should be given. This laboratory value is the part of laboratory evaluation of Gitelman's syndrome.
3. The renal ultrasonographic findings are necessary in this case presentation because of possible nephrocalcinosis.
4. The authors should discuss prostaglandin excretion in Gitelman's syndrome and eventual association of renal prostaglandin with blood pressure and plasma renin
5. The authors should discuss the findings of juxtaglomerular hyperplasia on kidney biopsy. Although striking is not specific for this disorder and may occur in association with chronic diuretic use and sustained sodium depletion. Renal biopsy generally is not needed to make diagnosis of Gitelman's syndrome.

Major Compulsory Revisions (that the author must respond to before a decision on publication can be reached)

Minor Essential Revisions (such as missing labels on figures, or the wrong use of a term, which the author can be trusted to correct)

Discretionary Revisions (which the author can choose to ignore)

What next?: Accept after minor essential revisions

Level of interest: An article of limited interest
Quality of written English: Acceptable
Statistical review: No
Declaration of competing interests:
I declare that I have no competing interests