Reviewer's report

Title: Chronic Asymptomatic Pyuria Precedes Overt Urinary Tract Infection and Deterioration of Renal Function in Autosomal Dominant Polycystic Kidney Disease

Version: 1 Date: 16 September 2012

Reviewer: ALMA IDRIZI

Reviewer's report:

Major Compulsory Revisions

Did the patients go regularly for exams when they haven’t clinical manifestation? If yes, how often the patients did perform the urinanalysis? In this point, may the patients of group B have been underestimated?

In section PATIENTS AND METHODS, I suggest correcting the last sentence in the first paragraph after definition of pyuria – this word is repeated three times within a sentence.

In section PATIENTS AND METHODS, the authors need to differ the ANP and cyst infection in clinical and laboratory point of view (usually, in cyst infection the microorganisms are absent in the urine). I suggest including the criteria for cyst infection.

Antibiotic therapy need to be better defined in the section PATIENTS AND METHODS and not only in the Table 6. How the antibiotics are given for renal cyst infection and APN: orally or parenterally?

In section Results, first paragraph, I suggest for not repeating in the text the data of Table 1.

I think the authors need to correct the data in the Table 2: if we do the sum of patients result totally 291 instead of 256 patients, so and the percentage is 113.1%, instead of 100%.

When presenting demographic data in the tables, BMI would be present (if the authors have data registered).

In section TABLES, I’m a few confuse as regard the data in the table 3: to which group are the data as regard the age, HTN, stones. Are these data for group B which is analyzed in this table? The same explanation is needed and for the Tables 4 and 5.

Instead of values of P > 0.05 in the tables I would suggest to put NS (not significant).
Level of interest: An article of importance in its field

Quality of written English: Needs some language corrections before being published

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' below.