Reviewer's report

Title: Increased peritoneal permeability at peritoneal dialysis initiation is a potential cardiovascular risk in patients using biocompatible peritoneal dialysis solution

Version: 2
Date: 15 September 2014

Reviewer: Claudia Del Corso

Reviewer's report:

The object of the research is original and interesting and original, and provides a useful contribution to the existing knowledge about the topic and is well connected to the current literature.

However, the following points should be clarified:

1) The cardiovascular risk factors that are claimed to be assessed in patients using solutions BPSDs and are to correlate the PET category should be clearly mentioned in the aim of the study.

2) PET test should be performed within 3 month after PD start

3) Some cardiovascular risk factors cited in the design phase, do not appear in the development of the research. In particular, there were no data FRR, as urine volume, the values of UF, especially in the comparison between the two groups of patients with and without cardiovascular events.

3) New ERBP PET classification recommends to divide patient into 3 categories: slow, average and fast transporter . This new classification is based on clinical outcomes.
(van Biesen W et al Evaluation of peritoneal membrane characteristics: clinical advice for prescription management by the ERBP working group.NDT 2010 Jul;25(7):2052-62)

So, why the Authors decided to unify H-A with H transporters type?

Level of interest: An article of importance in its field

Quality of written English: Acceptable

Statistical review: Yes, and I have assessed the statistics in my report.
Declaration of competing interests:

'I declare that I have no competing interests' below