Reviewer's report

Title: Paired measurement of urinary creatinine in neonates based on a Jaffe and an enzymatic IDMS-traceable assay

Version: 2 Date: 8 February 2014

Reviewer: Rachel Vieux

Reviewer's report:

This is an interesting manuscript, aiming at quantifying the differences in urine creatinine values measured in neonates with Jaffe and an enzymatic IDMS traceable assay.

This has been performed in adults, but not yet in children.

Minor essential revisions

Methods
1) I still lack data regarding any medication and bilirubin levels in neonates in whom creatinine was measured in urine samples.

Results
2) 84 urine samples, for how many babies? How many urine samples per baby?
3) Please give the range of urine output/kg/h
4) Authors report a significant linear regression between both creatinine measurements ($r^2=0.9957$). As measures were performed on term and preterm babies, did the values have a normal distribution, or were they bimodal? Is the R2 the same in preterm and term babies?
5) Please present the beta instead of the R2 in the multiple regression model explaining the difference between assays.
6) Figures lack titles. Please don't truncate words in the figures or please define them as abbreviations beneath the figures.

Level of interest: An article of limited interest

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