Reviewer’s report

Title: Urea Reduction Ratio May be a Simpler Approach for Measurement of Adequacy of Intermittent Hemodialysis in Acute Kidney Injury

Version: 0 Date: 15 Sep 2018

Reviewer: Casper Franssen

Reviewer’s report:

In this post-hoc study of the ATN study, the authors compared the urea reduction ratio (URR) with single pool Kt/Vurea. They found a tight correlation and provide detailed information on the sensitivity and specificity of URR for corresponding Kt/V in the clinically relevant range. Since the URR is much easier to calculate in an ICU setting compared with Kt/V, this study may help to provide adequate acute dialysis with regard to small solute removal.

Comments to the authors

1. In patients with morbid obesity, Vurea was adjusted by taking 55% of the ideal body weight plus 25% of the difference between ideal and actual pre-morbid weight. What is the rationale for using this specific correction factor? Which proportion of patients in this study had morbid obesity? Are the results in this study comparable for patients with and those without morbid obesity?

Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

Yes

Does the work include the necessary controls?
If not, please specify which controls are required in your comments to the authors.

Yes

Are the conclusions drawn adequately supported by the data shown?
If not, please explain in your comments to the authors.

Yes

Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?
If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

Yes
I am able to assess the statistics

**Quality of written English**
Please indicate the quality of language in the manuscript:

Acceptable

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