Reviewer’s report

Title: GlycA, a marker of protein glycosylation, is related to albuminuria and estimated glomerular filtration rate: the ELSA-Brasil study.

Version: 0 Date: 02 Mar 2017

Reviewer: Steven Coca

Reviewer's report:

This is a cross-sectional analysis between GlycA and albuminuria and eGFR in a cohort of 5050 individuals. The associations were modest at best, and the AUC was poor.

The ELSA-Brasil study is a longitudinal prospective cohort study with follow-up visits at least 3-4 years after enrollment. Regardless, the participants were enrolled between 2008 and 2010.

Thus, the key thing would have been to link GlycA with future risk of renal function decline, CKD, ESRD, etc. The cross-sectional analyses with albuminuria and eGFR do not advance the field. Any new CKD-related biomarker has to add to the information that UACR and eGFR provide.

The only value I can see for cross-sectional type analyses is if there was a difference in GlycA by underlying phenotype of CKD despite equal levels of albuminuria or eGFR.

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?
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Yes

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I am able to assess the statistics
**Quality of written English**
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Acceptable

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