



July 16, 2014

Wei Wang
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University of Mississippi Medical Center
New Guyton Research Building, Room G562
2500 North State Street
Jackson, MS 39216

Dear Dr. Wang,

The Publications and Presentations Subcommittee thank you for your manuscript entitled “Effects of serum creatinine calibration on estimated glomerular filtration rate and CKD determination in African Americans: The Jackson Heart Study”. The number M#0480 has been assigned to your manuscript, so please refer to this number when making reference to this manuscript. The Publications and Presentations Subcommittee voted “accept with comments”. Evaluator comments are attached for your review.

Please acknowledge JHS funding sources in your completed manuscript as follows: The Jackson Heart Study is supported by contracts HHSN268201300046C, HHSN268201300047C, HHSN268201300048C, HHSN268201300049C, HHSN268201300050C from the National Heart, Lung, and Blood Institute and the National Institute on Minority Health and Health Disparities.

Before submission to the journal, manuscripts that include NHLBI authors/co-authors along with a copy of the PPS letter of approval must be sent to NHLBI at nhlbi_ebpdocs@nhlbi.nih.gov and cc'd to the Project Officer at nelson@nhlbi.nih.gov. The NIH Public Access Policy ensures that the public has access to the published results of NIH funded research. It requires scientists to submit final peer-reviewed journal manuscripts that arise from NIH funds to the digital archive PubMed Central upon acceptance for publication. To help advance science and improve human health, the Policy requires that these papers are accessible to the public on PubMed Central no later than 12 months after publication.

Please submit a copy of the published manuscript to the Jackson Heart Study at jhsccrc@umc.edu. Include the PMC reference number (PMCID) when providing citations for JHS published manuscripts.

We look forward to the publication of this manuscript.

Sincerely,

Adolfo Correa, MD, MPH, PhD
Chair, Publications and Presentations Subcommittee

Evaluator Comments:

1. In the Abstract (methods) and statistical analysis section, the data are split into disjoint/mutually exclusive datasets. How many were included in each set? The test data set had 50 participants but it is not clear how the remaining 150 are split between validation and training set.
2. The rationale to select from simple linear and Deming regression models over quadratic or piecewise regression models is clear, however the criteria used to select Deming over simple linear are not elucidated fully in the results section. The argument presented in the results section is that Deming regression has a more thorough statistical basis by taking into account errors in both measurements of creatinine, while the argument in the discussion section also speaks of choosing Deming because of precedent in previous papers. The rationale should be consistent in both sections.
3. It is unclear if there are 206 or 205 participants used in the study, with stored serum specimens. In the Abstract and Materials and Methods, 206 participants are mentioned but in results 205 are mentioned. Also were 5 or 6 lost due to being outliers?
4. In the statistical analysis section the precise definition of CKD should be given, eGFR alone or KDIGO definition.