UNIVERSITY OF NOTRE DAME

September 18, 2015

Dear Editor:

In my quality of Assistant Professor in the Department of Applied Computational Mathematics and Statistics at the University of Notre Dame, I confirm that I reviewed the statistical methods employed by Samantha K. Atkins and Dr. Philippe Sucosky (email: philippe.sucosky@wright.edu; phone: 937-775-4650) in their manuscript "Bicuspid Aortic Valve Hemodynamics Does Not Promote Remodeling in Porcine Aortic Wall Concavity" submitted to the World Journal of Cardiology (ESPS Manuscript NO:###).

I received my PhD in Statistics and my expertise is in Applied statistics and Biostatistics. Therefore, I am qualified to conduct the review of the statistical analyses described in the paper.

Based on my review, I attest that:

1. the statistical methods are adequately and appropriately described when they are used to verify the results
2. the statistical techniques are suitable and correct
3. averaging was only performed on homogeneous data and the number of observations and subjects (n) is given
4. values, such as ED50, LD50 and IC50, have the 95% confidence limits calculated and have been compared by weighted probit modeling (using the functions described by Bliss and Finney)
5. the word "significantly" is replaced by its synonyms (if it indicates extent) or the P-value (if it indicates statistical significance).

Best regards,

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