Reviewer's report

Title: Validation of Digit-length Ratio (2D:4D) Assessments on the Basis of DXA-derived Hand Scans

Version: 2 Date: 4 September 2014

Reviewer: Donald Dengel

Reviewer's report:

Major Compulsory Revisions
1. None

Minor Essential Revisions
1. Page 5 line 1 means for age, height and weight should be placed in the results section
2. Page 5 line 11 Authors should provide version of software that was used as well as the scan type that was used for the hand analysis
3. Page 5 line 11 Did the authors do a total body composition scan? If so this information should be provided in the manuscript.
4. Page 9 line 15 Another disadvantage of the DXA is the longer scan time allows for the possibility of greater movement artifact.

Discretionary Revisions
1. Page 4 line 7 a lot of the introduction discusses prediction of performance in sport. This paper little to do with that, but is many a validation study of using DXA to determine the 2D:4D ratio

Level of interest: An article whose findings are important to those with closely related research interests

Quality of written English: Acceptable

Statistical review: No, the manuscript does not need to be seen by a statistician.

Declaration of competing interests:
I declare that I have no competing interests