Reviewer's report

Title: Ultrasound entropy may be a new non-invasive measure of pre-clinical vascular damage in young hypertensive patients

Version: 4 Date: 23 February 2015

Reviewer: Rosa Maria Bruno

Reviewer's report:

Minor Essential Revisions

1) Please avoid the word "subjects" and use "individuals" or "patients" as appropriate.

2) Please correct the heading of Table 3 (Hypertensive patients instead of "hypertension"

3) Please add among limitations of the study in the discussion the fact that RI and PI are calculated on 3 beats and entropy on 15-20 as possible reason for discrepant results

4) Please add a result section on correlation between RI, PI and entropy. Since "the authors feel that there probably is correlation between the different techniques", why not to test this hypothesis directly? Lack of correlation could also be interpreted as lack of sensitivity of RI and PI to detect subtle alterations.

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