Reviewer's report

Title: Validity, intra- and inter-observer reliability of automated devices for the assessment of Ankle Brachial Index using Photo-plethysmography

Version: 1 Date: 3 May 2013

Reviewer: Brigitte Escoubet

Reviewer's report:

Major Compulsory Revisions

The authors should indicate more clearly in the conclusion of the abstract and discussion that the tested devices cannot replace Doppler measurement as they could not evidence reduction in time for the measure and a significant lower accuracy and reproducibility associated with systematic bias.

An attempt should also be made to compare the automatic devices tested as they seem to be different (may be VI better than VE)

Minor Essential Revisions

An economic evaluation would be interesting in term of cost of the 3 methods (i.e including cost of the equipment)

Level of interest: An article of importance in its field

Quality of written English: Acceptable

Statistical review: Yes, but I do not feel adequately qualified to assess the statistics.

Declaration of competing interests:

I declare that I have no competing interests