Reviewer's report

Title: Carotid intima-medial thickness measured on multiple ultrasound frames: Evaluation of a DICOM-based software system

Version: 1 Date: 23 August 2007

Reviewer: lucia venneri

Reviewer's report:

General
This is a very important study clearly showing methodological problems inherent to the use of CIMT in clinical trials and perhaps also in clinical practice. Results are believable and novel.

Major Compulsory Revisions (that the author must respond to before a decision on publication can be reached)

Minor Essential Revisions (such as missing labels on figures, or the wrong use of a term, which the author can be trusted to correct)
I have only one very minor comment:
1. Add figures legends (missing in my copy).

Discretionary Revisions (which the author can choose to ignore)

What next?: Accept after discretionary revisions

Level of interest: An article of importance in its field

Quality of written English: Acceptable

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