Reviewer's report

**Title:** Sequentially based analysis versus image based analysis of Intima Media Thickness in common carotid arteries. Studies do major IMT studies underestimate the true relations for cardio- and cerebrovascular risk?

**Version:** 1  **Date:** 5 February 2008

**Reviewer:** Michele Masini

**Reviewer's report:**

An important study convincingly showing that ECG-tracked image based analysis non-systematically underestimates the value of carotid intima-media thickness and its relation with cardiovascular risk predictors.

Minor comments:
1) My copy is full of deletions in the text and reference (including the full 19-21 pages): please, submit an immaculate copy!
2) There are some spelling mistakes, also in the abstract (page 2, line 3, sufficient is sufficient), in the text (page 13, lines 2, In this study, delete full stop) and in Figure 3 (Frammingham is Framingham).
3) There are 2 versions of figure 2 (the one with only 1 panel is much better).

**What next?:** Accept after minor essential 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.