Reviewer’s report

Title: Influence of calcification on the mechanical stability of plaque in a three-dimensional carotid bifurcation model

Version: 3 Date: 20 December 2011

Reviewer: Konstantinos Toutouzas

Reviewer’s report:

Major compulsory revision:

All the concerns raised were largely addressed, nonetheless there is still one issue remaining.

In the Background you state ‘Computed tomography, magnetic resonance imaging, intravascular ultrasound allow for noninvasive detection of plaque morphology and composition’. I would like to point out again that intravascular ultrasound is not a noninvasive imaging modality.

Level of interest: An article of importance in its field

Quality of written English: Needs some language corrections before being published

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.