Reviewer's report

Title: Does the Sex of Acute Stroke Patients Influence the Effectiveness of rt-PA? Experience from the TCD Multicenter Study

Version: 4 Date: 9 December 2013

Reviewer: Timothy Kleinig

Reviewer's report:

The revised manuscript is acceptable, pending these minor essential revisions

1. The recruitment still needs to be made explicit in the methods (i.e. 126 CLOTBUSTER patients plus (?) 243 consecutive patients with TCD occlusion from University of Alberta)

2. The conclusions of the article still need to be toned down. Do the authors believe their study of 349 patients invalidates the findings of Kent from the TPA trial meta-analysis of 988 patients? If so, why? It would be far truer to say in the conclusion 'In our study, sex WAS not a significant predictor etc.'

3. In Methods, Need to change tenses of this sentence to '..signed by family member where the patient WAS incompetent due to the acute stroke'.

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 am a site PI for CLOTBUSTER