Reviewer's report

Title: Controversial significance of early S100B levels after cardiac surgery.

Version: 2 Date: 25 October 2004

Reviewer: Lars S Rasmussen

Reviewer's report:

General
The revised version is definitely improved

Major Compulsory Revisions (that the author must respond to before a decision on publication can be reached)
I will leave it to the editor to decide if the previously suggested changes are necessary. I have not seen the editor's summary and recommendations for the authors.
The authors have decided not to:
Discuss the high number of significance tests (high risk of type 1 error)
Define a primary end point and discuss sample size
Report 95% confidence intervals for proportions (which I consider very useful for interpretation)
Change how data are reported when not Gaussian distributed (I prefer percentiles instead of mean with standard deviation)
Clearly distinguish between regression analysis and correlation analysis

Minor Essential Revisions (such as missing labels on figures, or the wrong use of a term, which the author can be trusted to correct)

Discretionary Revisions (which the author can choose to ignore)

What next?: Unable to decide on acceptance or rejection until the authors have responded to the major compulsory revisions

Level of interest: An article whose findings are important to those with closely related research interests

Quality of written English: Acceptable

Statistical review: Yes

Declaration of competing interests:
None