Reviewer’s report

Title: Comparison of cerebral oximetry (INVOS) in cardiac surgery vs. vascular surgery patients. A prospective observational study

Version: 2 Date: 16 January 2010

Reviewer: Panagiotis Dedeilias

Reviewer’s report:

This is a very valuable prospective non-randomized study that proves the usefulness of baseline cerebral oximetry values measurement in cardiac and vascular surgery patients. Although there are statistically significant differences among the two patient cohorts the basic meaning of this well documented and presented paper is that cerebral activity has to be followed during major surgical procedures that involve cerebral circulation.

The study has been well designed and statistically analysed and will attract the interest of other specialties such as anaesthetists or intensive care specialists and so a publication is worth it.

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.

Declaration of competing interests:

I declare that I have no competing interests