Reviewer's report

**Title:** Risk Factors for Early Postoperative Cognitive Dysfunction after Non-Coronary-Artery-Bypass-Graft Cardiovascular Surgery in a Chinese Han Population

**Version:** 1  **Date:** 13 June 2013

**Reviewer:** Jun Fang

**Reviewer’s report:**

- **Major Compulsory Revisions** (which the author must respond to before a decision on publication can be reached)

  1. Why not choose ISPOCD's methods, but choose MMSE?

  2. POCD is common in elderly patients, many studies have shown that the POCD incidence of elderly patients is about 20-30%. I am confused that the incidence of POCD are really 33% in population who's average age are 41.7 years. Please provide the 176 patients with preoperative and postoperative MMSE scores.

  3. Please provide proof that statistical professionals conducted this article statistical.

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

  1. In Table 1 and Table 3, ASA (#/#/#) #NYHA (#/#/#/#) Shows no specific classification.

  2. Exclusion criteria should refer to ISPOCD.

  3. Please reduce the description content of anesthesia and surgical, do a detailed description of the process of evaluation and diagnosis POCD

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

**Quality of written English:** Acceptable

**Statistical review:** Yes, and I have assessed the statistics in my report.

**Declaration of competing interests:**

1. Have you in the past five years received reimbursements, fees, funding, or salary from an organisation that may in any way gain or lose financially from the publication of this manuscript, either now or in the future?

   I have five topics being studied, one of which is about the study of POCD
2. Do you hold any stocks or shares in an organisation that may in any way gain or lose financially from the publication of this manuscript, either now or in the future?
Yes, I have.

3. Do you hold or are you currently applying for any patents relating to the content of the manuscript? Have you received reimbursements, fees, funding, or salary from an organization that holds or has applied for patents relating to the content of the manuscript?
Yes