Reviewer's report

**Title:** The Effect of the Forced Diuresis With Matched Hydration in Reducing Acute Kidney Injury During Trancatheter Aortic Valve Implantation- Rational and Design for a Randomized Double Blind Placebo Controlled Study (REDUCE-AKI)

**Version:** 3  
**Date:** 28 March 2014

**Reviewer:** Ai-Hsien Li

**Reviewer's report:**

The manuscript about the protocol of REDUCE-AKI is designed intentionally to solve the problem of relative high incidence of acute kidney injury (AKI) in the patients undergoing Trans-aortic Valve implantation (TAVI). However, there are several concerns of us before its publication to be considered.

First, it is confusing in the sample size determination part that what the expected reduction rate will be: 50% (line 4), or 70% (line 14)? Besides, we are looking forward to the calculation formula listed here.

Second, we are concerned with the style inconsistency throughout the manuscript before its consideration to be published. We don’t think the mixed use of itemization in the context is a very good idea; especially all of them are not even in the same fashion. For the unification of style and readers’ convenience, the authors should consider the possibility of put all these itemized parts, if they have to be like that, in different tables.

Some small issues in data presentation include: the table 2 appearing earlier in the context than table 1, too many paragraphs in the discussion with some of them with only one sentence, some sentences without correct punctuation.

In conclusion, a careful revision related to style consistency, sample size determination and other issues should be done before our further consideration.

**Level of interest:** An article of outstanding merit and interest in its field

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

**Statistical review:** Yes, but I do not feel adequately qualified to assess the statistics.

**Declaration of competing interests:**

I don’t have any conflict of interests related to this manuscript.