Reviewer's report

**Title:** Oxidative stress mediated arterial dysfunction in patients with obstructive sleep apnoea. Effect of continuous positive airway pressure treatment

**Version:** 2 **Date:** 19 October 2011

**Reviewer:** In-Young Yoon

**Reviewer's report:**

**Material and Methods**

**FMD**

Before FMD investigation, at least 8 hour fasting is required. Did the subjects fast at least 8 hours before FMD evaluation? Description on this issue should be included in the text.

**Results**

In the stepwise multiple regression analysis of FMD, r or beta of MS and PGF2α should be presented with r² implying the contribution of MS and PGF2α to FMD.

The process should be described in which only 10 out of 30 patients with severe OSA participated in the CPAP trial study.

Data on the CPAP compliance should be presented.

**Discussion**

Limitation of this study should be included.

Discussion is somewhat long. Reviews on oxidative stress in OSAS and FMD in OSAS could be shortened.

**Tables**

In Table 1 and 2, moderate / severe should be changed with mild / moderate.