Reviewer's report

Title: Auto-titrating Continuous Positive Airway Pressure Treatment for Obstructive Sleep Apnoea after Acute Quadriplegia (COSAQ): study protocol for a randomized controlled trial

Version: 4 Date: 10 May 2013

Reviewer: Gregory J Schilero

Reviewer's report:

The investigators have satisfactorily addressed the queries from the initial review. Upon re-review, only a few minor essential revisions remain.

Minor Essential Revisions:

1. Methods/Design section, subheading Post-enrolment data collection, j) Sleep studies, 5th sentence: "quite" should be changed to "quiet", and a period is needed at the end.

2. Methods/Design section, subheading Baseline measures, b) Sleep symptoms and possible consequences of sleepiness, first sentence: would change "...validated in a spinal population..." to "validated in a spinal cord injured population...".

3. Methods/Design section, subheading Pre-randomisation procedure, 3rd paragraph: "cardio vascular" should be "Cardiovascular", and there should be a period at the end of the last sentence in this paragraph.

4. Methods/Design section, subheading End study (three months or hospital discharge) data collection, 2nd paragraph, 5th sentence: change "The outcomes committee review..." to "The outcomes committee will review...".

5. Methods/Design section, subheading Treatment device, 2nd paragraph, 2nd sentence: change "...but has been..." to "...but the mask has been...".

6. Methods/Design section, subheading Blinding of assessments, 3rd sentence: add a colon after "...group allocation".

7. Methods/Design section, subheading Estimated subject numbers, 2nd paragraph, end of 2nd sentence needs a period.

8. Methods/Design section, subheading Adherence to therapy, 2nd sentence: I believe sentence should begin with "Based upon previous research in the able bodied population with OSA, improvements...".

Level of interest: An article of outstanding merit and interest 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 have no competing interests.