Reviewer's report

Title: Oxygen supplementation facilitating successful prosthetic fitting and rehabilitation of a transtibial (below knee) amputee with severe chronic obstructive pulmonary disease

Version: 1 Date: 30 August 2010

Reviewer: Lexyne McNealy Jackson

Which of the following following best describes what type of case report this is?: Other

If other, please specify:
Post-surgery rehabilitation training and outcome

Has the case been reported coherently?: Yes

Is the case report authentic?: Yes

Is the case report ethical?: Yes

Is there any missing information that you think must be added before publication?: Yes

Is this case worth reporting?: Yes

Is the case report persuasive?: Yes

Does the case report have explanatory value?: Yes

Does the case report have diagnostic value?: Yes

Will the case report make a difference to clinical practice?: Yes

Is the anonymity of the patient protected?: Yes

Comments to authors:

The article was presented well and provided persuasive reasoning for including prostheses in the rehabilitation of persons with chronic obstructive pulmonary disease and lower limb amputation. However, minor corrections and clarification of the text need to be addressed.

1. Introduction, 1st paragraph, line 11: "The age range of the patients..." Do you refer to dysvascular patients here?
2. Case Report, 1st paragraph, line 6: "Four months later..." Clarify. Four months from March 2007 or Nov 2007?

3. Case Report, 2nd paragraph, line 3: "week" should read "weak"

4. Case Report, 2nd paragraph, line 4: Clarify. Is 5 the maximum or minimum on the General Strength scale?

5. Discussion, 2nd paragraph, line 9: Clarify/reword. Word choice of "do better" is poor.

6. Conclusion, 1st paragraph, line 1 (and elsewhere): Proper reference should include person-first terminology. "Persons with lower limb amputations..." instead of "Lower limb amputees...".

7. References: Vinicor is not referenced in the manuscript.

Other considerations:
If similar rehabilitation treatments are pursued in the future, it may be beneficial to collect oxygen consumption data. The authors would be able to compare energy expenditure of persons with COPD with that of dysvascular patients as reported by Pinzur et al., further validating case study results and potential quality of life improvements.

**Quality of written English:** Acceptable

**Declaration of competing interests:**
I declare that I have no competing interests.