Reviewer’s report

Title: Autoadjusting-CPAP effect on serum Leptin levels in Obstructive Sleep Apnoea patients

Version: 3 Date: 15 May 2008

Reviewer: Ferran Barbe

Reviewer’s report:

The current article with title “Autoadjusting-CPAP on serum Leptin levels in Obstructive Sleep Apnoea patients” represents a good work that helps to clarify the relationship between biochemical parameters associated with metabolic control, such as leptin, and the presence of OSAHS well as the effect of treatment with Auto-CPAP on those levels.

-Major Compulsory Revisions:
None

-Minor Essential Revisions:
1) In “Abstract”, section “Materials and Methods” is presented a following time of 9 days and 6 months. However, in “Study procedure” 4th paragraph the following time is different this being one week and 6 months. It must be clarified.

2) In “Discussion” 5th paragraph suggest that the leptin levels are mostly associated with obesity and not with OSAHS itself. Nevertheless, Barcelo et al. 2005 (1)(Figura 1) show significant difference in leptin levels between non-obese OSAHS patients and non-obese controls. The difference in leptin levels would be related to disease itself, being OSAHS the possible causative of the differences showed.

Due to, the lack of control group in the present work, that statement should be considered more profoundly.


- Discretionary Revisions:

1) The population characteristic described in “Results”, section “Habits and Comorbidities” could be presented in table including other important parameters like arterial hypertension values,…

2) Leptin unit in article is referred as “ug/L” whereas in the bibliography it is usually presented like “ng/ml” although the number does not change, obviously.
Beyond these minor points, the present work meets the requirements to be published.

**Level of interest:** An article of importance 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 declare that I have no competing interests.