Reviewer’s report

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

**Version:** 3  **Date:** 7 May 2008

**Reviewer:** José M Gómez

**Reviewer’s report:**

Title and abstract. The authors should explain first the abbreviations as CPAP, OSA, APAP, BMI and change levels for concentrations.

They state that leptin decrease after therapy but it is not true because the difference is no statistically significant and in the conclusion they state the opposite. They also present the correlation between leptin and OSA, but where is this correlation in the results?

Introduction. Line 6, twofold have to be corrected, and the text is very long.

Material and methods. Subjects, the authors have to explain in 4 line (AHÍ>20/h). Study procedures, BMI have to be describe in methods.

Results. Correct triglicerides, line 2

Leptin 2nd line, leptin is elevated in relation to controls. Where are the controls?. Correct p< 0,001.

Auto-CPAP, leptin decrease really?.

Discussion. 3th paragraph appear the normal range of leptin in normals; they should be placed in methods and results.

Tables. They should explain the abbreviations.

**Level of interest:** An article of limited interest

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

**Statistical review:** No, the manuscript does not need to be seen by a statistician.

**Declaration of competing interests:**

I have no fees or salary from this publication
I have no shares or interest in the publication of this article
I have no patents in the context of the manuscript
I have no other financial interests or competing interest in relation to this paper