Author's response to reviews

Title: Training exercise at the aerobic/anaerobic metabolic transition prevents glucose intolerance in neonatal alloxan treated rats

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Author's response to reviews: see over
Dear reviewer Cheng Juei-Tang,

Title: Exercise training in the aerobic/anaerobic metabolic transition prevents glucose intolerance in alloxan-treated rats,

Version: 2 Date: 22 April 2008.

The authors are very grateful for the comments and suggestions. We tried to briefly make the corrections in a satisfactory way in order to improve the quality of the manuscript. We have applied the modifications to the text whenever possible following the referee’s commentaries. As was suggested we submitted the text to be revised to International Science Editing. The corrections were made as follows:

Question: The details should be given on how to control the exercising overload.

Answer: The MLSS test was adapted to rats in our laboratories by Gobatto et al., 2001 (see references #14 and #18 in the reference list at the end of submitted manuscript). In this study, the authors found the work overload and lactate levels to control animals. Based on this first data, our group has been carrying out studies and MLSS tests in both control and experimental animals. In order to find the MLSS in experimental animals we started with overloads values next to those of control animals. Then, these tests are repeated many times, in 48 hours intervals, until we find the blood lactate levels and overloads for the animals.

Question: Explanation of the chosen exercising intensity suitable for patients with diabetes and obesity should be given.

Answer: The MLSS test was developed for human beings and then firstly adapted to be used with rats in our laboratories. Thus, the same test can be employed in type 2 diabetes patients by changing only the reference value for MLSS from 1mmol/L (in rats) to 4mmol/L (in human beings) (see references #14 and #18 in the reference list at the end of submitted manuscript).
**Question:** There are errors in the text for correction. The second line on page 2 “0,01 M”, the figure 3 on page 10 “groups A (1043.4 ± 103.1 [F1,26 = 61,97])”, “MSLL” on page 12 and 14 and “AT” on page 13 and figure 4.

**Answer:** Corrections suggested in this item were done directly into the text body.

*Sincerely*

*Clécia Soares de Alencar Mota*