

RETRACTION NOTE

Retraction Note to: L-glutamine supplementation induces insulin resistance in adipose tissue and improves insulin signalling in liver and muscle of rats with diet-induced obesity

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Retraction Note to: Diabetologia

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In light of forensic evidence indicating duplication and/or manipulation of western blot images the Editor-in-Chief is retracting the article cited above. The concerns included, but were not limited to:

- i. Duplication of western blot bands for HF (with and without insulin) and HFAla (with and without insulin) and HFGln (without insulin) in Fig. 5d
- ii. Duplication of western blot bands for TNF α for control diet (C) and HFGln between Fig. 7d and Fig. 7g
- iii. Duplication of western blot bands for HF and HFAla for TNF α in Fig. 7g
- iv. Duplication of western blot bands for control diet (C) and HFGln for I κ B in Fig. 7g

Following the advice of the EASD's Scientific Integrity Panel, and in line with guidelines issued by the Committee on Publication Ethics, the authors were invited to respond to these concerns. The corresponding author, Dr Mario Saad, admitted that the preparation of the figures in this article fell below acceptable standards and agreed that the correct action was to retract the article. However, because the authors and editors could not agree on the wording of the retraction note, the retraction is being issued by the Editor-in-Chief rather than by the authors.

The University of Campinas (São Paulo, Brazil) confirmed in March 2016 that it was undertaking an institutional investigation into the work carried out by members of this group.

The online version of the original article can be found under <https://doi.org/10.1007/s00125-007-0723-z>

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