

December 9, 2013

Dear Editor,

Please find enclosed the edited manuscript in Word format (file name: 6985-review.doc).

**Title:** Thyroid hormone analogues and derivatives: actions in fatty liver

**Authors:** Maria Coppola, Daniela Glinni, Maria Moreno, Federica Cioffi, Elena Silvestri, Fernando Goglia.

**Name of Journal:** World Journal of Hepatology

**ESPS Manuscript NO:** 6985

The manuscript has been improved according to the suggestions of reviewers.

***AUTHORS' REPLY TO REVIEWER 1***

We thank the reviewer for his/her comments. As suggested, we:

checked all the abbreviations and now, in the text, "thyroid hormones" has been always replaced by "THs" (see, page 5, 8, 15, 21, and 23).

***AUTHORS' REPLY TO REVIEWER 2***

We thank the reviewer for his/her comments. As suggested, we:

- inserted a specific paragraph on the effects of thyroid hormones on mitochondrial function (see, page 21). This required additional references (ref. 132-138)
- mentioned the important role of thyroid hormones in liver regeneration (see, page 9). This required an additional reference (ref. 52)

### ***AUTHORS' REPLY TO REVIEWER 3***

We thank the reviewer for his/her comments. As suggested, we:

- 1) explained in more details the effects of GC-1 and MB07811 on thyroid axis and T4/T3 serum levels (see, pages 10 and 11);
- 2) added a new schema about GC-1 and MB07811 (see, new figure 3);
- 3) changed MB0711 with MB07811 (see, page 12);
- 4) in figure 1 and new figure 4, showed about involvement of TRs as well as a possible TR-independent mechanism (see, figures 1, 4 and page 8). This required an additional reference (ref.47 of the new version).

All the changes are included in this letter and highlighted (in yellow) in the new version.

Thank you again for publishing our manuscript in the World Journal of Hepatology

Sincerely yours,



Fernando Goglia,  
Professor of Physiology,  
Head of the Department of Science and Technology,  
University of Sannio,  
Via Port'Arsa 11,  
I-82100, Benevento, Italy  
Fax: +39 0824 305142  
E-mail: [goglia@unisannio.it](mailto:goglia@unisannio.it)