

January 12, 2015

Dear Editor,



Please find enclosed the edited manuscript in Word format (file name: AdiposeTissueFibrosis\_revised\_submit.docx).

**Title:** Adipose Tissue Fibrosis

**Author:** Christa Buechler, Sabrina Krautbauer, Kristina Eisinger

**Name of Journal:** *World Journal of Diabetes*

**ESPS Manuscript NO:** 15142

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

Revision has been made according to the suggestions of the reviewer

**Reviewer 1:**

Dear authors: The review article was well written. No further comment was made except an error for the verb "induces" in the last line in page 5 should be corrected.

This mistake was corrected. Thank you for your kind comments on this review article.

**Reviewer 2:**

This is a well conducted review that offers an overview of the complex relationships among obesity, adipose tissue fibrosis and metabolic dysfunction. Figure 1 shows the main cells, proteins and factors involved in adipose fibrogenesis that impair healthy adipose growth and contribute to inflammation and insulin resistance. However, I suggest that another figure could simplify and help understand the role of the different collagens of the extracellular matrix, HIF, TGF-beta and other factors also studied in this review and that participate in adipose fibrogenesis.

Thank you for your valuable comments. Regarding your suggestion to show another figure related to different collagens, HIF and TGF-beta we could not find data in the literature. Further, there is not a simple relationship. Although activation of HIF activates TGF which triggers fibrotic response many

other factors play a role herein, and therefore, we do not like to present such a simplified view. To address the role of single collagen species a figure showing the effect of collagen 6 knock-out in ob/ob mice is included. This is to our knowledge the only paper analyzing the effect of an individual collagen isoform in obesity.

Thank you again for considering to publishing our manuscript in the *World Journal of Gastroenterology*.

Sincerely yours,

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