Reviewer’s report

Title: Silibinin Attenuates Adipose Tissue Inflammation and Reverses Obesity and Its Complications in Diet-induced Obesity Model in Mice

Version: 0 Date: 14 Nov 2019

Reviewer: Turhan Dost

Reviewer's report:

In this study the effect of silibinin on obesity, adipose tissue inflammation and hepatic tissue was examined in a high-fat diet mouse model. Silibinin blocked progression in weight gain. However, silibinin reversed hypertrophy in adipocytes, increased adiponectin expression, and suppressed ectopic fat deposition in the liver. Glucose homeostasis was also improved by silibinin treatment. Silibinin has shown protective effect by blocking obesity development, and attenuating of inflammation and production of inflammatory mediators.

Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

Yes

Does the work include the necessary controls?
If not, please specify which controls are required in your comments to the authors.

Yes

Are the conclusions drawn adequately supported by the data shown?
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Yes

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I am able to assess the statistics

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Acceptable

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