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PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 32796

Title: Green tea polyphenols ameliorate non-alcoholic fatty liver disease through upregulating AMPK activation in high fat fed Zucker fatty rats

Reviewer's code: 00572720

Reviewer's country: France

Science editor: Ya-Juan Ma

Date sent for review: 2017-02-14

Date reviewed: 2017-02-20

| CLASSIFICATION | LANGUAGE EVALUATION | SCIENTIFIC MISCONDUCT | CONCLUSION |
|--|--|--|--|
| <input type="checkbox"/> Grade A: Excellent | <input checked="" type="checkbox"/> Grade A: Priority publishing | Google Search: | <input checked="" type="checkbox"/> Accept |
| <input checked="" type="checkbox"/> Grade B: Very good | <input type="checkbox"/> Grade B: Minor language polishing | <input type="checkbox"/> The same title | <input type="checkbox"/> High priority for publication |
| <input type="checkbox"/> Grade C: Good | <input type="checkbox"/> Grade C: A great deal of language polishing | <input type="checkbox"/> Duplicate publication | <input type="checkbox"/> Rejection |
| <input type="checkbox"/> Grade D: Fair | <input type="checkbox"/> Grade D: Rejected | <input checked="" type="checkbox"/> No | <input type="checkbox"/> Minor revision |
| <input type="checkbox"/> Grade E: Poor | | BPG Search: | <input type="checkbox"/> Major revision |
| | | <input type="checkbox"/> The same title | |
| | | <input type="checkbox"/> Duplicate publication | |
| | | <input type="checkbox"/> Plagiarism | |
| | | <input checked="" type="checkbox"/> No | |

COMMENTS TO AUTHORS

Minor point -page 12, section "Effects of GTP on de novo lipogenesis pathway in the liver of ZF rats", line 2: "Figure 5" should be corrected by "Figure 4".

PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 32796

Title: Green tea polyphenols ameliorate non-alcoholic fatty liver disease through upregulating AMPK activation in high fat fed Zucker fatty rats

Reviewer's code: 00289402

Reviewer's country: United States

Science editor: Ya-Juan Ma

Date sent for review: 2017-02-14

Date reviewed: 2017-02-21

| CLASSIFICATION | LANGUAGE EVALUATION | SCIENTIFIC MISCONDUCT | CONCLUSION |
|---|--|--|--|
| <input type="checkbox"/> Grade A: Excellent | <input type="checkbox"/> Grade A: Priority publishing | Google Search: | <input type="checkbox"/> Accept |
| <input type="checkbox"/> Grade B: Very good | <input type="checkbox"/> Grade B: Minor language polishing | <input type="checkbox"/> The same title | <input type="checkbox"/> High priority for publication |
| <input type="checkbox"/> Grade C: Good | <input type="checkbox"/> Grade C: A great deal of language polishing | <input type="checkbox"/> Duplicate publication | <input type="checkbox"/> Rejection |
| <input type="checkbox"/> Grade D: Fair | <input type="checkbox"/> Grade D: Rejected | <input type="checkbox"/> Plagiarism | <input type="checkbox"/> Minor revision |
| <input type="checkbox"/> Grade E: Poor | | <input type="checkbox"/> No | <input type="checkbox"/> Major revision |
| | | BPG Search: | |
| | | <input type="checkbox"/> The same title | |
| | | <input type="checkbox"/> Duplicate publication | |
| | | <input type="checkbox"/> Plagiarism | |
| | | <input type="checkbox"/> No | |

COMMENTS TO AUTHORS

In this article, the authors showed beneficially effects of GTP on NAFLD, including improved lipid profiles and drastically reduced visceral fat, improved liver function and reduced TG accumulation in the liver. The overall study is solid and well designed. The results are consistent with the proposed hypothesis. One minor suggestion with the current study is that it would be more convincing if at least three or 4 samples from each groups are analyzed in Western blot analysis, and a detailed explanation how the quantification analysis were performed. Likewise, in the IHC analysis, please provides the number of animals and the number of images from each animal being analyzed, and how the quantification analysis being performed.