



PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 65024

Title: Adiponectin and the regulation of gastric content volume in the newborn rat

Reviewer's code: 03976790

Position: Editorial Board

Academic degree: DSc, PhD

Professional title: Emeritus Professor

Reviewer's Country/Territory: France

Author's Country/Territory: Canada

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Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-04-15 07:10

Reviewer performed review: 2021-04-18 18:36

Review time: 3 Days and 11 Hours

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|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Scientific quality | <input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish |
| Language quality | <input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection |
| Conclusion | <input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection |
| Re-review | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Peer-reviewer statements | Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |



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SPECIFIC COMMENTS TO AUTHORS

Comments on the manuscript : “Adiponectin and the regulation of gastric content volume in the newborn rat” Adiponectin is involved in several physiological mechanisms. Adiponectin in breast milk may play a role in regulating the volume of milk that can be contained in the stomach. The aim of this study is therefore to evaluate the effect of adiponectin on the fundus gastric muscle in rats in response to an induced contraction. To do this, the authors measured the effect of adiponectin on carbachol-induced length changes of freshly dispersed smooth muscle cells. This study is useful and interesting. The manuscript is well written and could be published after minor improvements. I have only few minor remarks to do. Page 6, Material and methods, Animals: specify the number of males and females Page 7: write CO₂ instead CO₂. Page 7, Milk curd adiponectin content: use the number of g instead of rpm / 60 min to give the speed of the centrifuge. Page 10: “Adiponectin is an adipokine primarily secreted by adipose tissue that has a myriad of important physiological modulatory roles”: the word "myriad" strikes me as a bit strong in the context. Figure 1: assign a number to the cited reference in order to find it in the bibliographic list ([5], I suppose) Figure 2, upper part: add a scale bar on the pictures.