

Peer Review

Review of: "Development Of A High-Fat Diet And Low-Dose Streptozotocin-Induced Rat Model For Type 2 Diabetes Mellitus"

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The study presented here proposes a new methodology for inducing type 2 diabetes in rats. However, the article is not ready to be published as it is. The only proposed modification, compared to previously established models, is a small decrease in the dosage of streptozotocin. In order to demonstrate that this modification is important enough to be published as a new protocol, it would be important to compare the results of the proposed model with the previous model. The authors state that this is a model of type 2 diabetes, but they do not have data to support this statement. The induction of hyperglycemia is not sufficient to differentiate between type 1 and type 2 diabetes. In addition, the article needs a good review of the written part. The tables lack explanatory captions. There is no information about the time or fasting period of the animals before blood collection. There is no information about the control diet or animal mortality.

Declarations

Potential competing interests: No potential competing interests to declare.