

Dear Editor of *Peer Journal*,

Thank you for inviting me as a reviewer for the manuscript entitled (*Impact of body weight gain on hepatic metabolism and hepatic inflammatory cytokines in comparison of Shetland ponies and Warmblood horses* (#34571).

Kindly find below my comments and suggestions to the authors.

The topic of the manuscript is appropriate for the Journal and the information is of significant interest to the Journal's readers. The manuscript is well written in all its parts and literature is well covered and referenced.

The title accurately reflects the major findings of the work, however, I suggest to add “geldings to Shetland ponies and Warmblood horses.

It is useful for the authors to mention the reason for the selection of only geldings animals in their study.

Line 92-93: have age differences between the ponies and the horses been considered when comparing the results between two groups?

Line 119-121: Serum amyloid A (SAA), plasma glucose, serum insulin, serum triglycerides (TG) and serum non-esterified fatty acids (NEFA) concentrations were analyzed only in t0 (October 2015), t2 (October 2016) and t5 (December 2017). Have these parameters been considered in winter only?

Line 114: Did the authors used a 14-gauge-catheter for blood sampling from ponies?

Line 155-169: Could the authors clarify why they used surgical method rather than classical liver biopsy?

Could the surgical operation influence animal appetite, weight gain and the results of studied blood parameters?

Line 231: Did the animals suffer from additional health problems due to excess nutrition such as colic?

Were there any observations regarding the consumption of drinking water during the study? kindly focus on these observations.

Line 237-238: Could the administration of non-steroidal anti-inflammatory drugs 20 days before sample collection in one animal have any impact on studied liver parameters?

Line 417-418: When discussing the results it is important to consider the time of sample collection (t0, 2, 5). Also the impact of season on the results should be discussed.