

Review Form 1.6

Journal Name:	Asian Journal of Biology
Manuscript Number:	Ms_AJOB_79836
Title of the Manuscript:	Effects of Bilateral Ovariectomy (OVX) on Thermoregulation and Blood Constituents in Adult Nubian Goats (<i>Capra hircus</i>)
Type of the Article	Original Research Article

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

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PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<p>Compulsory REVISION comments</p>	<ol style="list-style-type: none"> 1. Introduction: Include more information about thermoregulation and blood components in goats and why they should be evaluated after this surgical procedure. In this way, it will justify the reason for carrying out the work. 2. Material and methods: - (2.1 Experimental Animals) Where did the goats come from? (2.2 Experimental Design): What time of the day were the thermoregulation parameters measured? It is important to mention due to the temperature variation at this time of the year, mentioned by the authors in the text ("maximum temperature 36.5C°, minimum 9.9C°"). (2.3 Surgical Procedure): Why was only the use of local anesthesia chosen? Was it not necessary the use of any dissociative medication to contain the goats? - How long did the surgical procedure take? Were there any complications during the procedure? Were there any postoperative complications with the goats? It is important to report these details as they may interfere with the parameters to be analyzed. 3. Results: (3.1.1 Rectal temperature): According to Dukes & Swenson (1996) the normal rectal temperature in Goats ranges from 38,5 to 39,5°C. Thus, was the control group also below normal temperature? Why? Mention the normal temperature ranges for this species that were used as a reference in this manuscript. 4. Discussion: "Hypothermia after OVX..." Insert the reference values, considered as hypothermia for this specie. Could the temperature drop be related to other factors, such as ambient temperature or exercise level? 5. Conclusion: Detail and explain a little more the conclusion of the text. "The findings have implications in the fields of gynecology and surgery of small ruminants" – detail more this part. 	
<p>Minor REVISION comments</p>	<ol style="list-style-type: none"> 1. Introduction: "to remove diseased organs" –quote which organs, in order to make it clearer to the readers 2. Material and methods: (2.2 Experimental Design): "Thermoregulation and blood parameters were measured pre- OVX" How long before the surgical procedure were the parameters measured? 3. Discussion: "...an animal endowed with anatomical and physiological characteristics appropriate for such investigations" It would be clearer if it could explain why the goat is considered appropriate. <ul style="list-style-type: none"> - "The current results for goats agree with finding of Marui <i>et al.</i> [25] in rats subjected to bilateral OVX" What were the results found by this author? - It can be discussed if the type of anesthetic protocol chosen influences on 	

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	the parameters evaluated in this study. Search for articles that mention it.	
Optional/General comments	To improve this manuscript, I would suggest the description in more details about the handling of the goats while carrying out the study and include the answers to the questions made above, considering that the thermoregulation parameters can change due to external factors. Thus, the results obtained in this work can be considered more reliable, mentioning that these changes occur due to the ovariectomy procedure, decreasing the possibility of alteration due to other factors, such as exercise, stress and ambient temperature.	

PART 2:

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

Reviewer Details:

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