

Review Form 1.7

Journal Name:	Journal of Advances in Microbiology
Manuscript Number:	Ms_JAMB_118908
Title of the Manuscript:	Study of haematological and biochemical alterations in clinical cases of canine ehrlichiosis to understand the clinical picture of the disease
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:

(<https://www.journaljamb.com/index.php/JAMB/editorial-policy>)

Review Form 1.7

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> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>1. This paper is a large-scale report that is very useful for the diagnosis of canine ehrlichiosis.</p> <p>2. Yes</p> <p>3. Yes</p> <p>4. Yes</p> <p>5. Yes</p> <p>6. Yes</p> <p>I have a few concerns regarding the statistical analysis section of this manuscript.</p> <p>Have the data been tested for normality? It is crucial to determine whether the data follow a normal distribution. If the data are not normally distributed, it would be more appropriate to use non-parametric tests. Additionally, for data that are not normally distributed, it is better to present the results as the median \pm SE (standard error) instead of the mean \pm SE.</p> <p>In the Hematological Analysis section, there are a few points that need further consideration.</p> <p>Firstly, the evaluation of reticulocytes has not been conducted in this study. Is the condition under investigation more commonly associated with regenerative anemia or non-regenerative anemia? I consider regenerative anemia to be typical in cases of Canine ehrlichiosis.</p> <p>In this study, MCV was within the normal range, but RDW-CV was elevated. Clinically, this combination often suggests anemia due to iron or vitamin deficiency, or chronic inflammation. Such conditions are typically associated with non-regenerative anemia.</p> <p>Therefore, if the anemia observed in this condition is predominantly non-regenerative, it would support the hypothesis of anemia of chronic disease.</p> <p>Conversely, if regenerative anemia is more prevalent, there appears to be a discrepancy between the expected anemia characteristics based on MCV and RDW-CV values and the actual type of anemia present.</p> <p>Depending on whether the anemia is regenerative or non-regenerative, the interpretation and discussion will vary significantly. Further discussion is necessary to clarify these points.</p>	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	<p>1. Yes</p>	
<p>Optional/General comments</p>		

[Review Form 1.7](#)

PART 2:

	Reviewer's comment	Author's comment <i>(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)</i>
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

Reviewer Details:

Name:	Kohtaro Hayashi
Department, University & Country	Japan