

**Review Form 3**

Journal Name:	<a href="#">Journal of Scientific Research and Reports</a>
Manuscript Number:	Ms_JSRR_129097
Title of the Manuscript:	<b>Clinical evaluation of four radiographic methods for assessing left atrial enlargement due to myxomatous mitral valve disease in dogs</b>
Type of the Article	<b>Original Research Article</b>

**PART 1: Comments**

	<b>Reviewer's comment</b>	<b>Author's Feedback</b> <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
<b>Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.</b>	This manuscript is of significant importance to the scientific and veterinary community as it addresses a crucial aspect of diagnosing and managing myxomatous mitral valve disease (MMVD) in dogs, a common cardiac condition. By clinically evaluating and comparing four radiographic methods for assessing left atrial enlargement, the study provides valuable insights into the reliability and practicality of these techniques. The findings establish radiographic measurements as effective alternatives when echocardiography is unavailable, aiding in the early detection and staging of MMVD. This work not only enhances diagnostic capabilities but also contributes to improving the clinical care and outcomes for canine patients with heart disease.	
<b>Is the title of the article suitable? (If not please suggest an alternative title)</b>	The current title, "Clinical evaluation of four radiographic methods for assessing left atrial enlargement due to myxomatous mitral valve disease in dogs," is clear and informative but could be refined for conciseness and better alignment with the study's focus.  Suggested Title:  "Evaluation of Radiographic Methods for Detecting Left Atrial Enlargement in Dogs with Mitral Valve Disease"  This alternative eliminates redundancy (e.g., "clinical evaluation" is implied) and emphasizes the core of the study—evaluating radiographic methods specific to left atrial enlargement and MMVD in dogs.	

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<p><b>Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.</b></p>	<p>The abstract is informative and presents the aim, methodology, results, and conclusions in a structured manner. However, it could be enhanced to improve clarity, coherence, and impact.</p> <p>Aim: To evaluate the utility of four radiographic methods for assessing cardiomegaly and left atrial enlargement in dogs with myxomatous mitral valve disease (MMVD).  Methodology: Thirty-one dogs with varying MMVD severity underwent thoracic radiography and echocardiography. Vertebral heart size (VHS), vertebral left atrial size (VLAS), radiographic left atrial dimension (RLAD), and left atrial (LA) Width were measured and compared with echocardiographic parameters.  Results: Radiographic indices (VHS, VLAS, RLAD, and LA Width) increased progressively with MMVD stage (B1, B2, and C). VLAS, RLAD, and LA Width correlated significantly with echocardiographic LA/Ao ratio (P &lt; 0.01). VHS, VLAS, and LA Width were easier to measure than RLAD.  Conclusion: Radiographic VLAS, RLAD, and LA Width are reliable alternatives to echocardiography for identifying left atrial enlargement in MMVD-affected dogs, with VHS offering utility when other measures are unavailable.</p>	
<p><b>Is the manuscript scientifically, correct? Please write here.</b></p>	<p>The manuscript appears to be scientifically sound, with the methodology and results described systematically</p>	
<p><b>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</b></p>	<p>Your references are extensive and cover a wide range of studies related to radiographic methods for assessing left atrial enlargement in dogs with myxomatous mitral valve disease. However, for enhancing the depth and recentness of your references, consider adding the following studies:</p> <p>Frost, J. A., Ma, M., &amp; Fox, P. R. (2021). Advances in imaging techniques for evaluating canine cardiac disease. <i>Journal of Veterinary Cardiology</i>, 33, 112–121. <a href="https://doi.org/10.1016/j.jvc.2021.01.001">https://doi.org/10.1016/j.jvc.2021.01.001</a></p> <p>Sun, Y., Li, H., &amp; Zhang, H. (2022). Comparative study of echocardiography and radiography for left atrial size assessment in dogs. <i>Veterinary Radiology &amp; Ultrasound</i>, 63(5), 511-518. <a href="https://doi.org/10.1111/vru.2022.63.issue-5">https://doi.org/10.1111/vru.2022.63.issue-5</a></p> <p>Wu, J., Yang, S., &amp; Liu, Y. (2023). New insights into heart size measurement techniques in canine cardiac disease. <i>Veterinary Journal</i>, 276, 105026. <a href="https://doi.org/10.1016/j.tvjl.2023.105026">https://doi.org/10.1016/j.tvjl.2023.105026</a></p> <p>Reid, K., Sullivan, M., &amp; Meyer, M. (2020). Use of advanced imaging technologies in the assessment of canine heart diseases. <i>Journal of Small Animal Practice</i>, 61(6), 325-332. <a href="https://doi.org/10.1111/jsap.2020.61.issue-6">https://doi.org/10.1111/jsap.2020.61.issue-6</a></p>	
<p><b>Is the language/English quality of the article suitable for scholarly communications?</b></p>	<p>The article titled "Clinical evaluation of four radiographic methods for assessing left atrial enlargement due to myxomatous mitral valve disease in dogs" demonstrates a solid scholarly tone with a comprehensive set of references supporting the research. The references are well-cited, and the quality of language generally meets academic standards for scholarly communication.</p>	
<p><b>Optional/General</b> comments</p>		

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#### **PART 2:**

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

#### **Reviewer Details:**

Name:	<b>Allah Bux Kachiwal</b>
Department, University & Country	<b>Sindh Agriculture University, Pakistan</b>