

Review Form2

Book Name:	Innovations in Biological Science
Manuscript Number:	Ms_BPR_2290
Title of the Manuscript:	Synchronous Pleural and Peritoneal Mesothelioma in a Dog and its Diagnosis
Type of the Article	Book chapter

PART 1: Review Comments

<u>Compulsory</u> REVISION comments	Reviewer's comment	Author's Feedback(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimumof 3-4 sentences may be required for this part.	An interesting case report of rare synchronous pleural and peritoneal mesothelioma in a pet dog. Due to the rarity of mesothelioma in dogs, there is a need for more research and clinical trials to better understand the efficacy of these treatments and to develop more effective therapeutic strategies. In practice, treatment plans are often tailored to the individual dog's condition, considering factors such as the stage of the disease, overall health, and response to initial therapies.	
Is the title of the article suitable? (If not please suggest an alternative title)	Original: Synchronous Pleural and Peritoneal Mesothelioma in a Dog and its Diagnosis Suggested Modification: Diagnosis of rare synchronous pleural and peritoneal mesothelioma in a domesticated canine	

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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.	1. Original: A male Labrador Retriever dog of two years and six months old was presented to the Teaching Veterinary Clinical Complex Veterinary College and Research Institute, Tirunelveli (Tamil Nadu, India) with the complaint of distended ventral abdomen, respiratory distress, and exercise intolerance since 4 months and hyporexia since 7 days. Suggested Modification: The Labrador Retriever when presented to the Teaching Veterinary Clinical Complex Veterinary College and Research Institute, Tirunelveli (Tamil Nadu, India) had distended ventral abdomen, respiratory distress, exercise intolerance for the past four months and recent hyporexia since one week. 2. Original: Therapeutic options for mesothelioma include surgical resection, radiotherapy, and chemotherapy, though a low incidence of the cases in dogs lead to difficulty in assessment of therapeutic efficacy of drugs. Suggested Modification: Therapeutic options for mesothelioma include surgical resection, radiotherapy, and chemotherapy. However due to its rarity, the evaluation of drug efficacy and the development of standardized treatment protocols is challenging.	
Are subsections and structure of the manuscript appropriate?	Subsections and structure of the manuscript is overall appropriate Few Observations: - Recent publication to be listed in the end eg: Mesothelioma is a rare neoplasm of older dogs affecting the epithelial lining of a coelomic cavity (Moberg et al., 2022; D'Angelo and Di Francesco, 2014) to be written as XXXX (D'Angelo and Di Francesco, 2014; Moberg et al., 2022) - The text used in the abstract should be reframed when written in the main body of the case study. - For the Table 1: Haemato-biochemical values in the dog affected with pleural and peritoneal mesothelioma, suggested modification is to include normal range values and then flag the abnormal values as described in the text - Results and Discussion section: Incomplete sentence This could be due to the fact that mesothelioma being a superficial tumour. Suggested Modification: Mesothelioma being a superficial tumor causes fluid accumulation or local effects but might not directly lead to significant kidney dysfunction unless there is secondary impact or metastasis. As the dog has been hyporexic for seven days and has had fluid loss due to ascites, this could contribute to elevated blood urea nitrogen. - Results and Discussion section should also talk about Supportive Care and management like ensuring the dog is well-hydrated and monitoring for any signs of dehydration or worsening kidney function - It needs to be mentioned in the Results and Discussion section if Oncology Referral was done or not and whether chemotherapy was considered for treatment	
Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.	The manuscript is scientifically correct. Due to the rarity of mesothelioma in dogs, there is a need for more research and clinical trials to better understand diagnosis and the efficacy of the treatments to develop more effective therapeutic strategies. In practice, treatment plans are often tailored to the individual dog's condition, considering factors such as the stage of the disease, overall health, and response to initial therapies.	

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Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	Additional Reference: 1. Lajoinie M, Chavalle T, Floch F, Sayag D, Lanore D, Ponce F, Chamel G. Outcome of dogs treated with chemotherapy for mesothelioma: A retrospective clinical study on 40 cases and a literature review. Vet Comp Oncol. 2022 Dec;20(4):825-835. doi: 10.1111/vco.12843	
Minor REVISION comments Is the language/English quality of the article suitable for scholarly communications?	English language quality is fine	
Optional/General comments	None	

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?	(If yes, Kindly please write down the ethical issues here in details)	

Reviewer Details:

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