

# Vetology AI Rapid Cardiopulmonary Screening



Ask A.I.M.E.

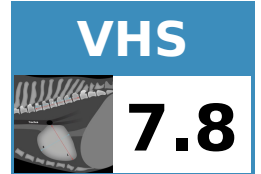
Vetology Innovations  
San Diego, CA.  
[vetology.ai](http://vetology.ai)  
(888) 416-2124

## CASE AI EVALUATION REPORT:

| Case                 |            | Patient          |               | Clinic Extra Info        |
|----------------------|------------|------------------|---------------|--------------------------|
| ID                   | 1455537    | Name:            | Johnson Bella | Email: info@vetology.net |
| DOS                  | 12/01/2019 | Current Age:     | 0 y. 0 m.     | Phone: +1 8586345430     |
| Priority             | Normal     | Age when report: | 0 y. 0 m.     | Fax: +1 8586345435       |
| Clinic               |            | Sex:             | F             |                          |
| Vetology Clinic      |            | Species:         |               |                          |
| 7522 Clairemont Mesa |            | Breed:           |               |                          |
| Boulevard            |            | Weight:          | 0.00 lb       |                          |
| San Diego, CA 92111  |            |                  |               |                          |

## Artificial Intelligence (AI) Evaluation

### CANINE AI Cardiopulmonary Screening: Abnormal



#### Airway/Pulmonary Findings:

1) MODERATE BRONCHIAL PATTERN; MILD DYNAMIC AIRWAY DISEASE; END ON VESSELS, CUTANEOUS NODULES OR LESS LIKELY, PULMONARY NODULES OR NODULAR PATTERN.

2) Based on the AI airway/pulmonary findings, the probability of this patient having clinically detectable respiratory signs is MEDIUM (50%)

3) Moderate bronchitis (bacterial, allergic or parasitic, including heartworm pathosis) with tracheal and/or dynamic airway collapse and/or bronchiectasis; or recurrent microaspiration (brachycephalic dogs, laryngeal paralysis or other cause for upper airway disease) causing chronic lower airway inflammation is likely. A false positive bronchial pattern and dynamic airway disease result due to age-related change, x-ray technique, edge-enhanced image processing and/or a redundant tracheal membrane or overlying esophagus is considered less likely.

4) There is a questionable detection of a soft tissue pulmonary nodule or a few nodular opacities. Cutaneous nodules or nipples overlying the thorax; or end-on pulmonary vessels in the hilar region are the likely cause for this finding. If a cutaneous nodule is suspected, apply a radiopaque marker or barium to the cutaneous structure or nipple and repeat the thoracic radiographs. While considered less likely, this case should be further scrutinized for the presence of a single or two soft tissue nodular pulmonary opacities. Keep in mind that disseminated lymphoma and METASTATIC mast cell neoplasia typically cause intrathoracic lymph node enlargement and DO NOT typically cause soft tissue pulmonary nodules.

5) There is no evidence of PERIHILAR INFILTRATE

#### Cardiac Findings:

1) Minimal cardiomegaly has been detected but Heart Failure is NOT suspected.

**DISCLAIMER:** This report is for **DOGS ONLY**. These results should not be applied to another species. This is a computer assessment without human input. This assessment should be used as one piece of information in your diagnostic evaluation. This is **NOT** a radiographic diagnosis.

**Seth Wallack, DVM, DACVR**  
Vetology Founder. Creator of Radiology AI Algorithms

#### Next Steps

**NOTE:** If the result is inconsistent with the clinical picture or if you would like another opinion, this study can be submitted to Vetology for further evaluation.

See below for additional image links.

[CLICK HERE to submit your question directly to a Vetologist](#)

[CLICK HERE for the Vetology Image Viewer](#)

#### Further evaluation/treatment of the lungs and/or airways may include:

1. Deeper Ai Evaluation of the lungs using Ask A.I.M.E. [Go to Image Viewer](#)
2. Radiograph submission to a Vetologist for further evaluation.
3. Empirical therapy for lung disease based on your clinical assessment.
4. Bronchoscopy with bronchoalveolar lavage (BAL) vs. endotracheal lavage and/or Baermann fecal.

## AI Evaluation Detail



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