



**PATIENT**

Martin Gudas

**PRESENTING CLINICAL SIGNS**

Martin is a 5y/o neutered male Labrador retriever mix who has a history of chronic coughing following his HW treatment that was performed almost a year ago. Martin has a history of mild limping on his left front paw for sometime now. On the physical examination: Wheezing sounds on lung auscultation was noticed. No heart murmur No pain elicited upon palpation of the front limb and normal range of motion.

**SPECIES**

Canine

**RADIOGRAPHIC STUDY OF THE FRONT LIMBS & THORAX**

**BREED**

Mediolateral and craniocaudal views of the elbows, shoulders, and carpi, right lateral, left lateral, and ventrodorsal views of the thorax totaling 11 images available for review.

Labrador Retriever  
Mix

**RADIOGRAPHIC FINDINGS**

**SEX**

**Thorax**

Neutered Male

Moderate spondylosis is present between T5 and T6.

There is a moderate generalized bronchoalveolar lung pattern with caudodorsal accentuation. Concurrent vascular engorgement is seen accentuating the pulmonary arteries in the cranial lobes as well as the left caudal lung lobe.

**AGE**

5 Years

The cardiac silhouette presents right ventricular rounding. Mild bulging is noted level with the main pulmonary artery. Nodular opacities are seen to the left of the cardiac silhouette on the orthogonal view and most likely considered end-on vessels.

**INTERPRETED BY**

Nele Eley, DVM  
Dr. med. Vet. DipECVDI

**Elbows**

Blurring and decreased opacity of the cranial contour of the medial coronoid process is seen in both elbows. There also is bilateral subtrochlear notch sclerosis and a mild amount of periarticular osteophytes.

**HOSPITAL NAME**

Beaches-Fallingbrook  
Veterinary Clinic

**Shoulders**

An incompletely fused infraglenoid tubercle is seen in the caudal margin of both glenoid cavities.

**REFERRING VET**

Dr. Sam Shahsavari

There is a bony spur in the intertubercular groove of the biceps tendon in the left shoulder.

2mm and 6mm sized mineralizations are seen proximal and cranial of the greater humeral tubercles in right and left shoulder.

The radiographic presentation of the carpal joints is within age related normal limits.

**INVOICE**

49200

**RADIOGRAPHIC DIAGNOSIS**

**DATE**

12-22-21

- Bronchoalveolar and vascular lung pattern and suspect cor pulmonale.
- Bilateral medial coronoid pathology with mild secondary osteoarthritis.
- Suspect left biceps tendinopathy.
- Mineralization within the supraspinatus tendons versus clavicular remnants.



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**REFERRING VET**

Dr. Sam Shhsavari

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**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The radiographic findings of the lung suggest potential for inflammatory/infectious disease with vascular engorgement. Differential diagnosis includes parasitic pneumonia including heartworm infection and less likely infection with bacteria or viral pneumonia as well as eosinophilic bronchopneumopathy. However, based on the clinical history, heartworm infection appears to be a primary differential diagnosis. Testing according to the guidelines of the American Heartworm Society could be considered.

[www.heartwormsociety.org](http://www.heartwormsociety.org)

The radiographic study of the front limbs reveals bilateral medial coronoid pathology with mild secondary osteoarthritis. Moreover, the left shoulder presents evidence of biceps tenosynovitis. The mineralization seen in the region of the greater humeral tubercle may represent supraspinatus tendon mineralizations or summation artifacts from clavicular remnants.





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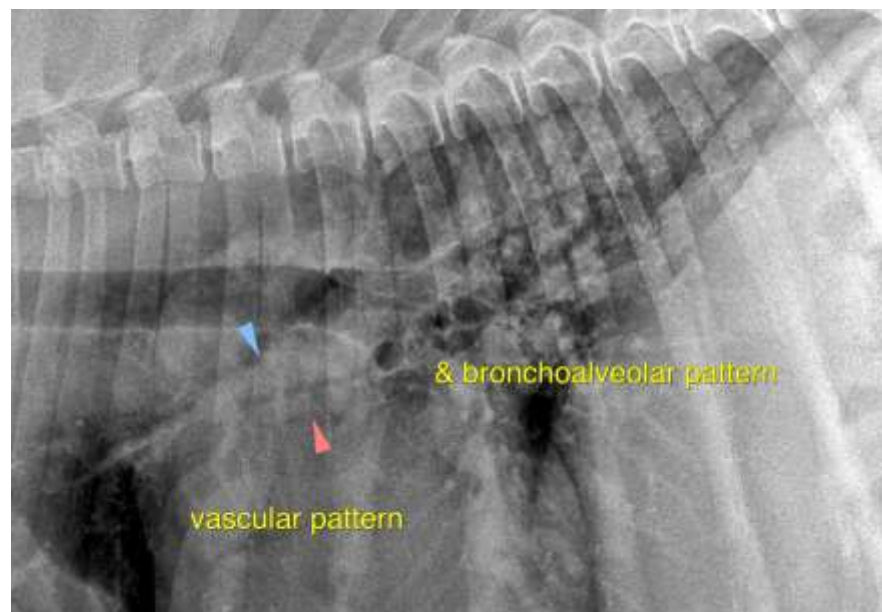
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

**SPECIES**

Canine

Thank you for this referral. If the clinical or image interpretation does not parallel your findings or if I can be of any further assistance please contact me.

**BREED**

Labrador Retriever  
Mix

**Nele Eley**, DVM, Dr. med. vet., DipECVDI  
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Senior lecturer University of Giessen, Germany, Veterinary Faculty, Department of Radiology  
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**SEX**

Neutered Male

**AGE**

5 Years

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