



**PATIENT**

Memphis Freiberg

**PRESENTING CLINICAL SIGNS**

History of cough and 5/6 systolic murmur that initially responded to furosemide and enalapril. Later added in Vetmedin. Cough is becoming worse over time. Abnormal PE/Chem/CBC/UA Results: Recent bloodwork was normal.

**SPECIES**

Canine

**RADIOGRAPHIC STUDY OF THE THORAX**

Radiographs of the thorax in two orthogonal imaging planes are provided for review.

**BREED**

Miniature Pinscher

**RADIOGRAPHIC FINDINGS**

Moderate spondylosis formation is seen along the caudal thoracic & cranial lumbar spine.

The extrathoracic soft tissues present homogeneous without abnormalities.

**SEX**

Neutered Male

The caudal contour of the cardiac silhouette is steep, and the caudal cardiac waist is lost. A wedge shaped soft tissue opacity is seen level with the left atrium. The left main stem bronchus is mildly deviated dorsally. In the VD view, a double opacity of the cardiac silhouette is seen level with the left atrium and the heart is occupying approximately 80% of the thoracic width. The pulmonary vasculature is within normal limits.

**AGE**

13 Years

The cranial mediastinum presents the expected soft tissue opacity. The mediastinal width is less than twice the width of the vertebral column at the same level.

**INTERPRETED BY**

Sebastian Schaub, DVM  
Dr. med. vet. DipECVDI

Moderate dorsoventral flattening of the cervical tracheal segment is visible.

The bronchial tree presents with thin walls and tapers uniformly towards the periphery as expected.

**HOSPITAL NAME**

Q Street Animal  
Hospital

The lung parenchyma presents the expected architecture and opacity; the intrapulmonary vascular branching is seen up to the third order lung vessels.

The diaphragm is well delineated with even surface and the expected mild cranial bulging of the diaphragmatic cupola.

**REFERRING VET**

Hoerauf

**RADIOGRAPHIC DIAGNOSIS**

- Left sided cardiomegaly without signs of decompensation
- Tracheal collapse
- Spondylosis deformans

**INVOICE**

49841

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The left sided cardiomegaly with enlargement of the left atrium in combination with the history of cardiac murmur is most consistent with underlying mitral valve insufficiency due to myxomatous mitral valve degeneration.

**DATE**

1-25-22

Both the enlarged left atrium and the tracheal collapse can contribute to the described clinical signs of cough.



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**TECHNICAL COMMENTS**

Human fingers are seen in the primary beam, please consider radiation safety guidelines!

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**REFERRING VET**

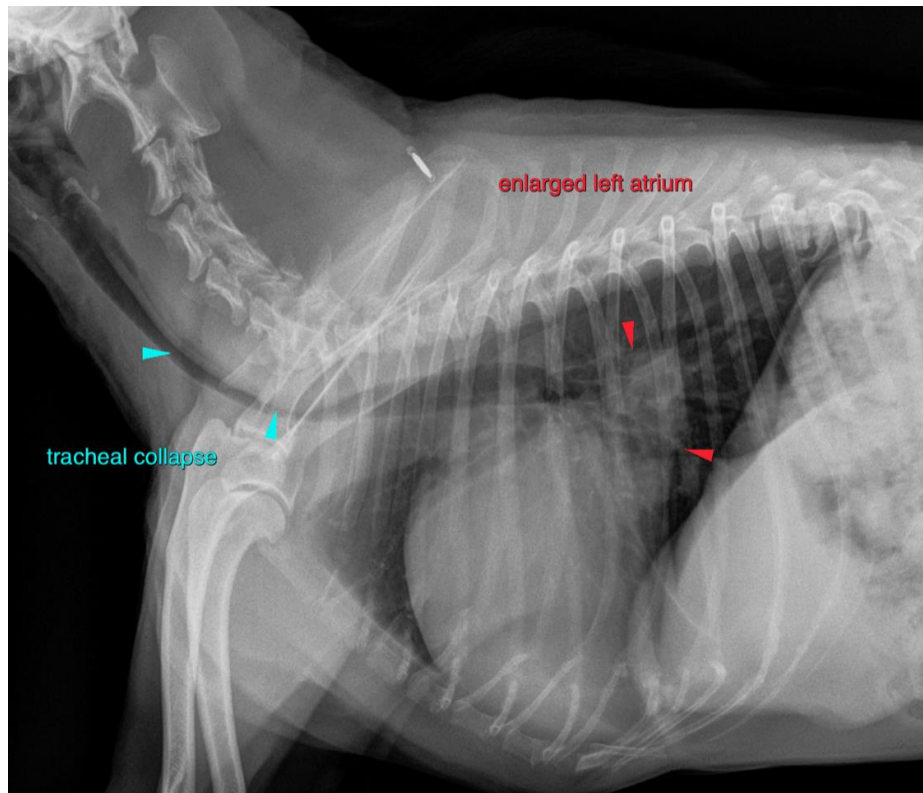
Hoerauf

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

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.

**Sebastian Schaub**, Sebastian Schaub, DVM, Dr. med. vet. DipECVDI  
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