



**PATIENT**

Maxwell Weeks

**PRESENTING CLINICAL SIGNS**

First noted murmur when in for eye exam last week. Owner now noticing harsh breathing at home concern for widened mediastinum enlarged heart pulmonary edema possible pulmonary mass

**SPECIES**

Canine

**RADIOGRAPHIC STUDY OF THE THORAX**

Right/left lateral and ventrodorsal views totaling 3 images available for review.

**BREED**

Maltese

**RADIOGRAPHIC FINDINGS**

The degree of pulmonary inflation is moderate. A perihilar alveolar lung pattern is noted accentuating the caudal lung lobes.

**SEX**

Neutered Male

Moderate left sided cardiomegaly with a vertebral heart score of 11.2 is seen. There is left atrial enlargement. The pulmonary arteries and veins of the cranial lobes are dilated. The trachea is elevated and parallel to the cranial thoracic spine. The left atrium is enlarged with loss of the caudal cardiac waist and a double opacity sign associated with mild bronchial splitting.

**AGE**

12

Course and width of the trachea are considered within normal limits.

There is mild esophageal aerophagia.

The liver margins appear to be beyond the costal arch.

**INTERPRETED BY**

Nele Eley, DVM  
Dr. med. Vet. DipECVDI

**RADIOGRAPHIC DIAGNOSIS**

- Moderate left sided cardiomegaly with left atrial enlargement.
- Perihilar alveolar lung pattern compatible with pulmonary edema.
- Pulmonary volume overload with dilation of the pulmonary vessels.

**HOSPITAL NAME**

Lacombe Veterinary  
Centre

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The radiographic findings are highly suggestive for cardiogenic pulmonary edema secondary to mitral valve regurgitation. Consider myxomatous degeneration of the mitral valve one potential underlying cause. However, the degree of cardiac enlargement and left atrial enlargement is not very impressive and hence, other potential causes that lead to congestive heart failure in a more acute manner such as endocarditis, chordae tendineae rupture, and other should be considered and ruled out as well. A full cardiac echo is recommended for further definition. The use of diuretics appears to be indicated.

**INVOICE**

51780

**DATE**

4-26-22



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**BREED**

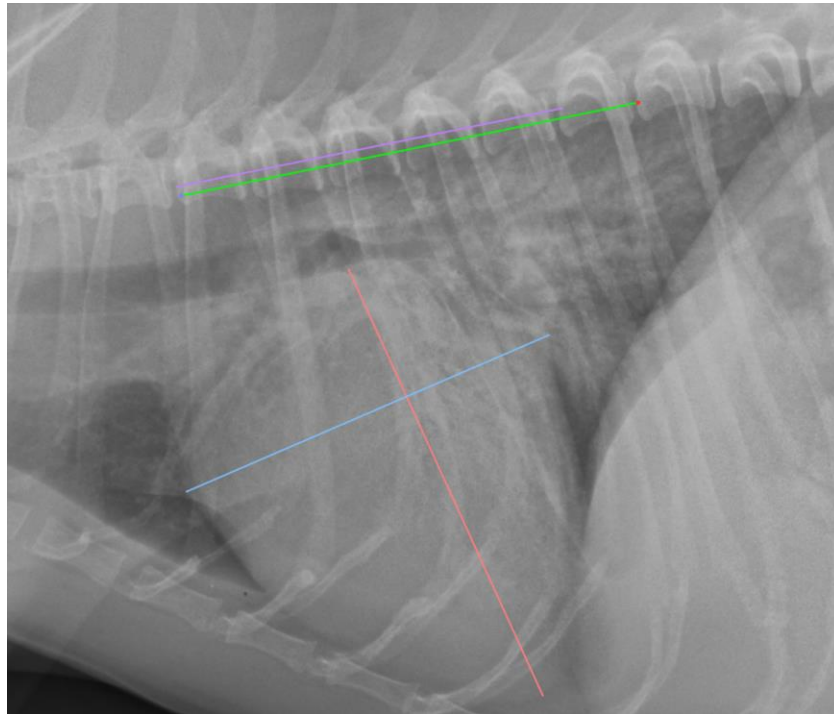
Maltese

**SEX**

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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.

**HOSPITAL NAME**

Lacombe Veterinary  
Centre

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.

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Senior lecturer University of Giessen, Germany, Veterinary Faculty, Department of Radiology  
Nele.Eley@sonopath.com

**REFERRING VET**

Dr. Cindy Nowle

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