



**PATIENT**

Max Anderson

**PRESENTING CLINICAL SIGNS**

Per owner having difficulty breathing, started coughing yesterday. Heart and lungs sound normal. Upon x-rays VD trachea is abnormally displaced (curves to one side). Lateral thorax trachea is very dorsally displaced.

**SPECIES**

Canine

**RADIOGRAPHIC STUDY OF THE THORAX**

Right lateral and ventrodorsal whole body views totaling 2 images available for review.

**BREED**

Yorkshire Terrier

Thoracic read requested.

**RADIOGRAPHIC FINDINGS**

Patient's body condition score appears to be excessive.

**SEX**

MN

The vertebral heart score is 10. No overall cardiomegaly and no specific chamber enlargement is noted. There is no evidence of a vascular lung pattern.

**AGE**

13 Years

A moderate generalized bronchointerstitial lung pattern appears to be present which may be enhanced by the fair inflation of the lungs. No evidence of bronchial collapse is noted.

Redundancy of the dorsal tracheal ligament appears to be significant in the caudocervical area. No overt tracheal displacement is seen on the lateral view. The relatively dorsal position of the trachea is due to the moderate rotation of the thorax.

**INTERPRETED BY**

Nele Eley, DVM  
Dr. med. Vet. DipECVDI

Mild widening of the cranial mediastinum appears to be present on the orthogonal image which however is likely to reflect abundance of mediastinal fat primarily.

Redundancy of the trachea appears to be present represented by prominent rightward curvature of the cranial thoracic trachea on the orthogonal image which is common in brachycephalic dogs and may be enhanced by the head position.

**HOSPITAL NAME**

POCONO PEAK  
VETERINARY  
CENTER

No significant mass effect appears to be present in the cranial mediastinum.

Moderate generalized enlargement of the liver is seen.

**REFERRING VET**

Dr. Christine Coyle

There is moderate gastric aerophagia. Radiopaque material appears to be present within the stomach. (Bones?)

**RADIOGRAPHIC DIAGNOSIS**

**INVOICE**

57509

- Suspect dynamic tracheal disease.
- Moderate bronchointerstitial lung pattern
- Normal radiographic presentation of the cardiac silhouette
- No radiographic evidence of mediastinal mass effect.
- Hepatomegaly.
- Suspect ingestion of bones.

**DATE**

3-28-23



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**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

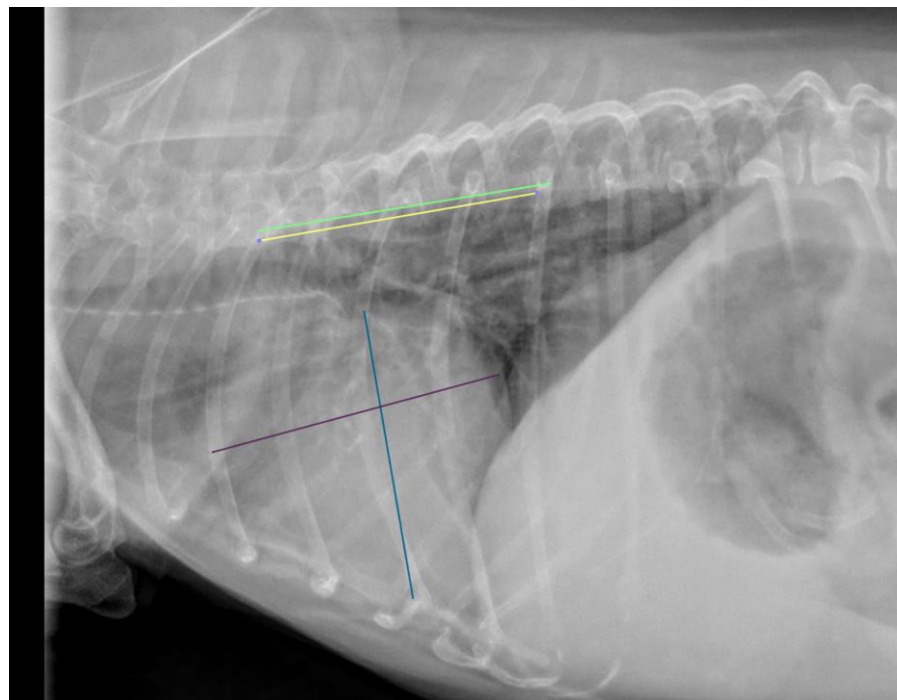
The redundancy of the dorsal tracheal ligament and redundancy of the cranial thoracic trachea are common findings in brachycephalic dogs. The redundant dorsal tracheal ligament, however, may indicate presence of dynamic tracheal disease. Clinical correlation required. The rightward curvature of the cranial thoracic trachea is typically an incidental finding.

The radiographic findings do not strongly support the presence of a cranial mediastinal mass.

Further definition by means of CT could be considered in order to rule out a smaller mass in case of doubt.

The bronchointerstitial lung pattern is likely to reflect chronic lower airway disease such as eosinophilic / allergic bronchopneumopathy versus infectious bronchitis including viral, bacterial, and parasitic. Further definition by means of airway endoscopy with airway sampling could be considered. A clinical trial of treatment for dynamic tracheal disease and bronchitis could be considered alternatively.

Differential diagnosis for the hepatomegaly includes vacuolar hepatopathy, metabolic, or endocrine hepatopathy. Hepatitis and diffuse infiltrative disease cannot be ruled out entirely. Correlation with the laboratory values recommended.





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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.

**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**

Yorkshire Terrier

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**SEX**

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**AGE**

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