



**PATIENT**

Bruno MacDonald

**PRESENTING CLINICAL SIGNS**

for sometime now the dog has been coughing so bad it looks like he may vomit; increased inspiratory effort and will pant more; no cardiac murmur; no coughing with tracheal compression (historically he has)

**SPECIES**

Canine

Abnormal PE/Chem/CBC/UA Results: x-rays attached no other Dx performed today

**RADIOGRAPHIC STUDY OF THE THORAX**

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

**BREED**

Chihuahua

**RADIOGRAPHIC FINDINGS**

Laterolateral expansion of the chest is seen with the sternum being lifted against the thoracic spine and pectus excavatum conformation. At the same time, the caudodorsal tips of the lung lobes are far caudal level with the thoracolumbar junction while the diaphragmatic cupola is in a cranial position, which all indicates chronic efforts of the patient to inhale against potential upper airway restriction. No abnormal opacities are noted throughout the pulmonary interstitium and bronchial tree.

**SEX**

MN

No overt collapse of the trachea is seen.

**AGE**

11.5 Years

The radiographic presentation of the cardiac silhouette is within normal limits.

There is moderate gastric aerophagia.

**INTERPRETED BY**

Nele Eley, DVM  
Dr. med. Vet. DipECVDF

Moderate L1/2 and L2/3 spondyloses are seen.

**RADIOGRAPHIC DIAGNOSIS**

- Suspect chronic upper airway restriction with potentially acquired pectus excavatum.
- Aerophagia - likely secondary to dyspnea.

**HOSPITAL NAME**

Petworks Veterinary  
Hospital

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

A cause of the potential upper airway restriction is not seen radiographically yet the conformation of the thorax and course of the diaphragm strongly raise the suspicion of chronic upper airway restriction with the patient trying to inhale vigorously against the airway restriction. Congenital abnormal conformation of the thorax cannot be ruled out entirely as a differential diagnosis; however, this is considered less likely owing to the patient's age and history.

**REFERRING VET**

Dr. Trudeau

**INVOICE**

50211

Further evaluation of the upper and lower airways by means of endoscopy with airway sampling would be ideal to ensure normal morphology and function of the upper and lower airways.

**DATE**

2-9-22



**PATIENT**

Bruno MacDonald

**SPECIES**

Canine

**BREED**

Chihuahua

**SEX**

MN

**AGE**

11.5 Years

**INTERPRETED BY**

Nele Eley, DVM  
Dr. med. Vet. DipECVDI

**HOSPITAL NAME**

Petworks Veterinary  
Hospital

**REFERRING VET**

Dr. Trudeau

**INVOICE**

50211

**DATE**

2-9-22

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.

**Nele Eley**, DVM, Dr. med. vet., DipECVDI  
European Specialist in Veterinary Diagnostic Imaging, Cert. Radiology,  
Senior lecturer University of Giessen, Germany, Veterinary Faculty, Department of Radiology  
Nele.Eley@sonopath.com