



PATIENT PRESENTING CLINICAL SIGNS

PATIENT Maple Kamerzell
PRESENTING CLINICAL SIGNS HX: Four day progression of cough with exertion and exercise intolerance. She did eat a bacon treat, seemingly with no issues, a few hours before the cough started. Appetite and remainder remain normal.

SPECIES Abnormal PE/Chem/CBC/UA Results: Ex: Cardiac Murmur: III/VI left heart base systolic. HR 180 bpm. Expiratory effort (mild), and RR = 40 bpm. Stage III to IV dental disease. Sclerosis. Long nails. Remainder normal. No labs performed
Canine

BREED Orthogonal views of the radiographs of the thorax are provided for review. One right lateral, one left lateral and one ventral dorsal view.
Chihuahua

RADIOGRAPHIC FINDINGS
SEX Superimposed with the dorsal margin of the end portion of the extrathoracic trachea, is a thin fusiform soft tissue opaque structure.
Female
 The cardiac silhouette dorsally displaces the trachea, compresses the lobar bronchi, spans 3.5 intercostal spaces on the lateral view, approximately 65% of the thoracic width in the ventrodorsal view, and is convex in the left caudodorsal contour (VHS = 10.6, VLAS = 2.4).

AGE 14 Years, 7 Months
 A patchy unstructured interstitial to alveolar pattern is seen within the right caudodorsal lung lobe. Enlarged pulmonary cranial veins are noted.

INTERPRETED BY A thin non-divergent pleural fissure line is seen between the right cranial lung lobe and right middle lung lobe.
 Tilde Rodrigues Froes, DMV, MSc., Dr. Med Vet., Dipl. CBraRVet
 The mediastinum space is normal.

HOSPITAL NAME The caudoventral margins of the hepatic silhouette extend to the plane of the xiphoid, and the gastric axis is shifted cranially. Several mineral opaque rounded objects are seen within the right cranial aspect of the hepatic silhouette.

Elizabeth Animal Hospital
 Minor periarticular ossification is seen at the caudal aspect of the right shoulder joint.
 The thoracic wall and ribs are normal.

REFERRING VET No other abnormalities are identified.

Leon Anderson, DVM

- RADIOGRAPHIC DIAGNOSIS**
- Moderate left sided cardiomegaly.
 - Signs of pulmonary venous congestion.
 - Interstitial to alveolar pattern in the right caudal lung lobe - differential diagnosis includes emerging (or resolving) cardiogenic pulmonary edema).
 - Visible pleural fissure, differential diagnosis includes scant pleural effusion, minor pleural thickness, or tangential beam artifact.
 - Redundant tracheal membrane superimposed.

INVOICE 56923
DATE 2-23-23



PATIENT

Maple Kamerzell

- Microhepatia, the differential diagnosis includes chronic hepatopathy, or fibrotic changes, less likely individual variation.
- Multiple gall bladder choleliths.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

SPECIES

Canine

The left sided cardiomegaly in combination with the cardiac murmur is likely a sequela to myxomatous mitral valve degeneration and secondary mitral valve insufficiency. The venous congestion and emerging cardiogenic pulmonary edema indicate left sided decompensated cardiac disease. A vertebral left atrial size (VLAS) more than 2.3-2.5 can be used as an indicator of left atrial enlargement and dogs exceeding this cut off likely have hemodynamically important myxomatous mitral valve degeneration.

BREED

Chihuahua

Recheck radiographs following treatment for congestive left sided heart failure and stabilization of the patient may be useful in reevaluation and response to therapy.

SEX

Female

When stable, a cardiac echo can be used for further assessment of cardiac chamber size and function. An abdominal ultrasound and laboratory tests are also suggested for further evaluation of the liver and biliary system.

AGE

14 Years, 7 Months

The identification of the redundant tracheal membrane without clinical signs could be considered an incidental finding.

INTERPRETED BY

Tilde Rodrigues Froes, DMV, MSc., Dr. Med Vet., Dipl. CBraRVet

HOSPITAL NAME

Elizabeth Animal Hospital

REFERRING VET

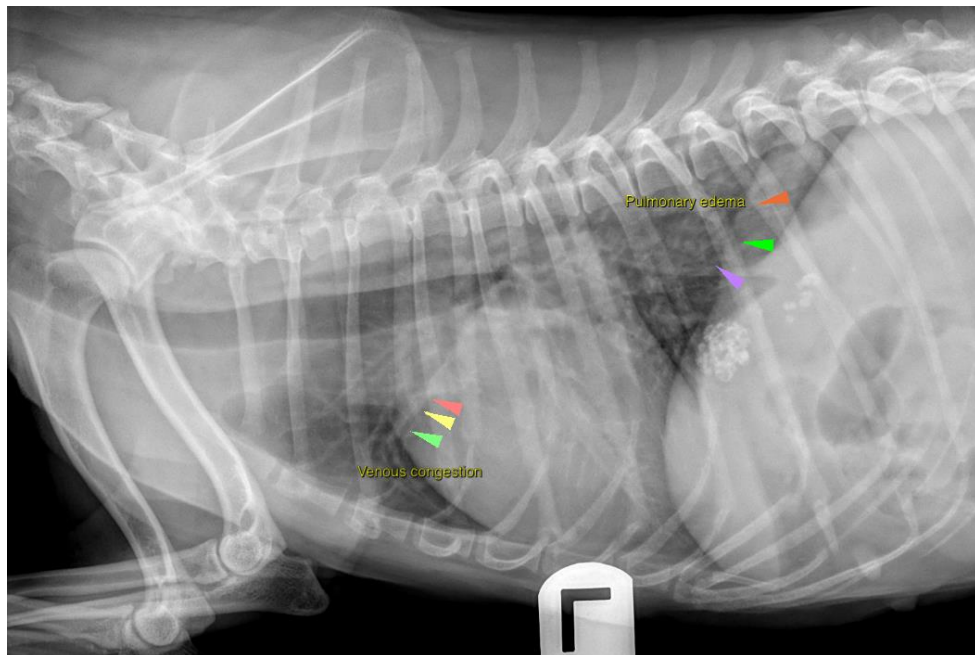
Leon Anderson, DVM

INVOICE

56923

DATE

2-23-23





PATIENT

Maple Kamerzell

SPECIES

Canine

BREED

Chihuahua

SEX

Female

AGE

14 Years, 7 Months

INTERPRETED BY

Tilde Rodrigues Froes,
DMV, MSc., Dr. Med
Vet., Dipl. CBraRVet

HOSPITAL NAME

Elizabeth Animal
Hospital

REFERRING VET

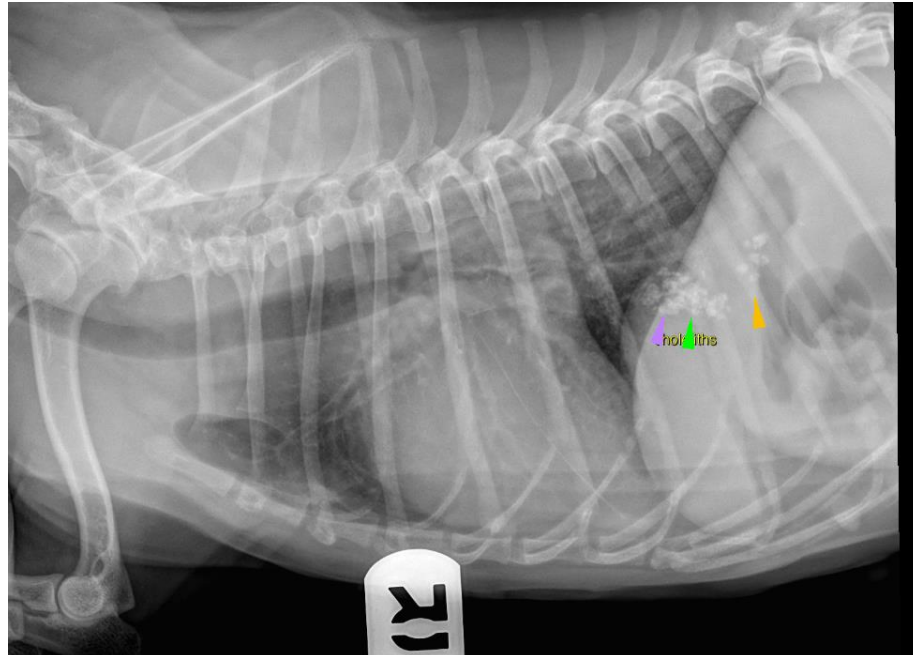
Leon Anderson, DVM

INVOICE

56923

DATE

2-23-23



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.

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.

Tilde Rodrigues Froes, DMV, MSc., Dr. Med.Vet., Dipl.CBraRVet
info@sonopath.com