



PATIENT PRESENTING CLINICAL SIGNS

Daphne Cullen Daphne is a 14y/o spayed female Schnauzer presented for an episode of rapid breathing. As per the owner's statements: On the weekend, she seemed to have had an episode of difficulty breathing (rapid breathing) that lasted for a few hours. She had diarrhea a week prior. Now soft stool after medication. History of heart murmur possible grade 3-4/6.

SPECIES

Canine

RADIOGRAPHIC STUDY OF THE THORAX

Radiographs of the thorax, in three imaging planes are provided for review, right lateral, left lateral and ventrodorsal views, totaling 3 images.

BREED

Schnauzer

RADIOGRAPHIC FINDINGS

The cervical and thoracic trachea are normal.

SEX

Spayed Female

The cardiac silhouette dorsally displaces the trachea, compresses the lobar bronchi, spans 3.0 intercostal spaces on the lateral view, approximately 60% of the thoracic width in the ventral dorsal view, and is convex in the left caudodorsal contour and left auricle contour. (VHS = 12.7, VLAS = 2.8).

AGE

14 Years

There is a mild caudodorsal unstructured interstitial pulmonary pattern. No evidence of pulmonary soft tissue nodules.

Thin, non-divergent pleural fissure lines are seen in the cranial thorax.

The mediastinum is normal.

INTERPRETED BY

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

The diaphragm and thoracic wall are unremarkable.

The liver is mildly enlarged with convex margins, displacing the gastric axis caudally. The remainder of the abdominal collimated structures are unremarkable.

A few incomplete and complete bridging spondylosis deformans are seen within the thoracic and thoracolumbar spine.

HOSPITAL NAME

Beaches-Fallingbrook Veterinary Clinic

RADIOGRAPHIC DIAGNOSIS

- Moderate left-sided cardiomegaly.
- Mild unstructured interstitial caudodorsal pulmonary opacification, the differential diagnosis includes incipient cardiogenic pulmonary edema, mild cardiogenic pulmonary edema.
- Thin pleural lines identification, the differential diagnosis includes tangential beam artifact, scant pleural effusion.
- Mild generalized hepatic enlargement, the differential diagnosis includes secondary to metabolic, inflammatory, congestion or less likely infiltrative disease.
- Thoracic and thoracolumbar spondylosis deformans, incidental.

REFERRING VET

Dr. Hamid Mohammadkhani

INVOICE

59414

DATE

7-18-23

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The left-sided cardiomegaly is likely a sequela to myxomatous mitral valve degeneration and secondary mitral valve insufficiency. The caudodorsal pulmonary opacification shows that the patient has mild pulmonary edema and decompensated heart disease. This could explain why the patient was having



PATIENT rapid breathing episodes. The VLAS (vertebral left atrial size) value of measurement in this patient indicates more hemodynamically important myxomatous mitral valve degeneration; the reference cut-off value for hemodynamically unstable patients is 2.3 to 2.5. A treatment for congestive left-sided heart failure is suggested. When stable, a cardiac echo can be used for further assessment of cardiac chamber size and function.

Daphne Cullen

SPECIES Abdominal ultrasound and laboratory tests are also suggested for further evaluation of the liver.

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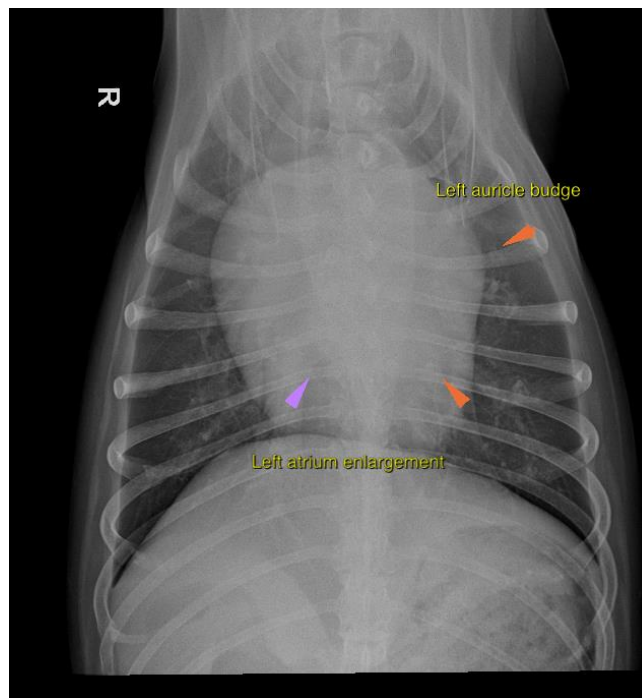
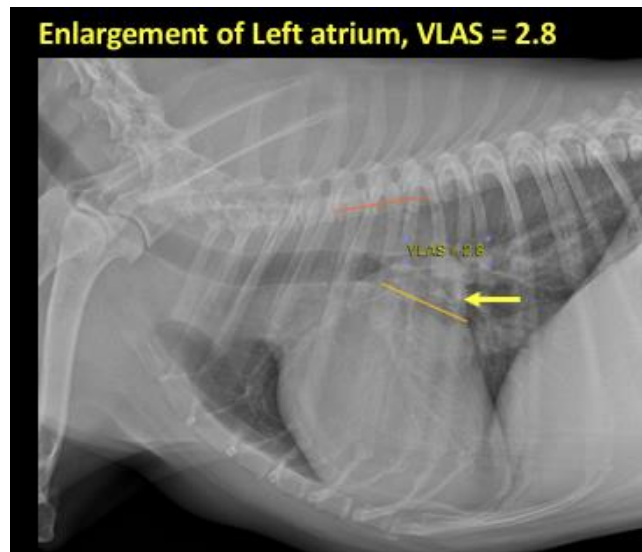
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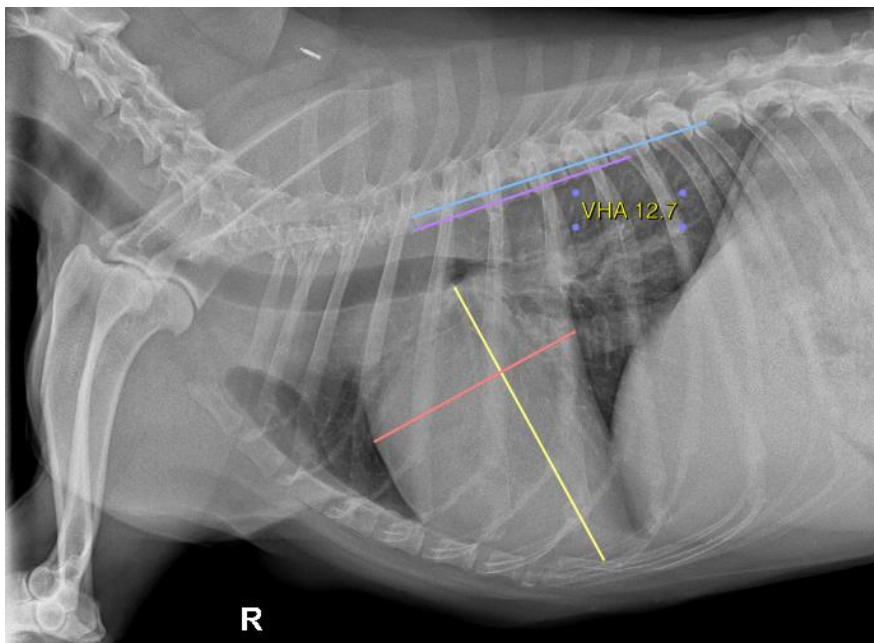
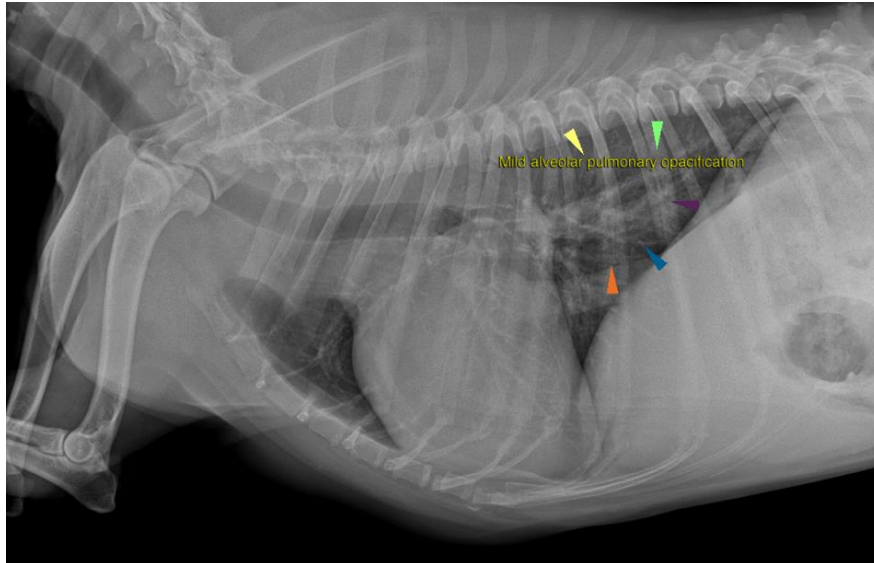
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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

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