



PATIENT PRESENTING CLINICAL SIGNS

Bella Robinson
SPECIES Canine
BREED Maltese Mix

Chronic cough. Patient has previously been diagnosed with cardiac disease and has been on vetmedin. Also, there has been a chronic cough that worsened while the patient was staying with a "smoker." After the stay with the indoor smoker, her cough worsened. Can happen anytime but definitely worse with any exertion. She has always been a thin patient; BCS: 3/9. I had taken rads in 9/2022 - no lung changes noted at that time but VHS was 12.5. No tracheal collapse noted but diameter of the trachea was "wavey" and variable.

Abnormal PE/Chem/CBC/UA Results: BCS: 3/9 RR: 36-45 B/M HR: 200 - but did slow down after oxygen and being here at the clinic for a couple hours; HR= 140-150 BAR CRT<2sec Heart murmur - holosystolic; 5/6 The murmur is louder than any lung sounds. Abd - WNL Lux patellas - bilat/medial

RADIOGRAPHIC STUDY OF THE THORAX

Radiographs of the thorax in two imaging planes are provided for review.

SEX RADIOGRAPHIC FINDINGS

SF
 The surrounding bony structures are within normal limits.

AGE
 The extrathoracic soft tissues present homogeneous without abnormalities.

10 Years, 5 Months
 The caudal contour of the cardiac silhouette is steep and the caudal cardiac waist is lost. The pulmonary vein of the right cranial lung lobe is prominent.

INTERPRETED BY
 Sebastian Schaub, DVM
 Dr. med. vet. DipECVDI

The cranial mediastinum presents the expected soft tissue opacity. The mediastinal width is less than twice the width of the vertebral column at the same level.

The trachea is normal in diameter and presents the anticipated course. The luminal outline of the trachea is smooth.

HOSPITAL NAME
 GROVE VETERINARY CLINIC

The bronchial tree presents with thin walls and tapers uniformly towards the periphery as expected.

The right caudal lung lobe presents a generalized mild ground glass opacity.

The diaphragm is well delineated with even surface and the expected mild cranial bulging of the diaphragmatic cupola.

REFERRING VET
 Dr. Charles Hurty

Seen in the imaging plane of the liver, multiple well-defined zones of mild irregular/foamy mineralization are appreciated.

RADIOGRAPHIC DIAGNOSIS

- INVOICE** 55958
- Left sided cardiomegaly
 - Enlarged pulmonary vein right cranial lung lobe
 - Unstructured interstitial lung pattern right caudal lung lobe
 - Mineralization of the hepatic parenchyma

DATE INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

1-3-23
 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 left cardiac enlargement indicates subsequent left sided volume overload. The interstitial pattern of the right



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caudal lung field is concerning for cardiogenic pulmonary edema. A cardiac echo can be used for further assessment of cardiac chamber size and function.

Other differentials for the unstructured interstitial pattern can include fibrosis, pneumonitis (inflammatory versus infectious), systemic disease (e.g. pancreatitis, IMHA, renal disease), neoplasia.

SPECIES

Canine

The appreciated mineralization superimposed on the caudal lung field are always confined caudal to the diaphragm and are most consistent with hepatic mineralization – can be a sequela to chronic hepatopathy or less likely hepatic neoplasia.

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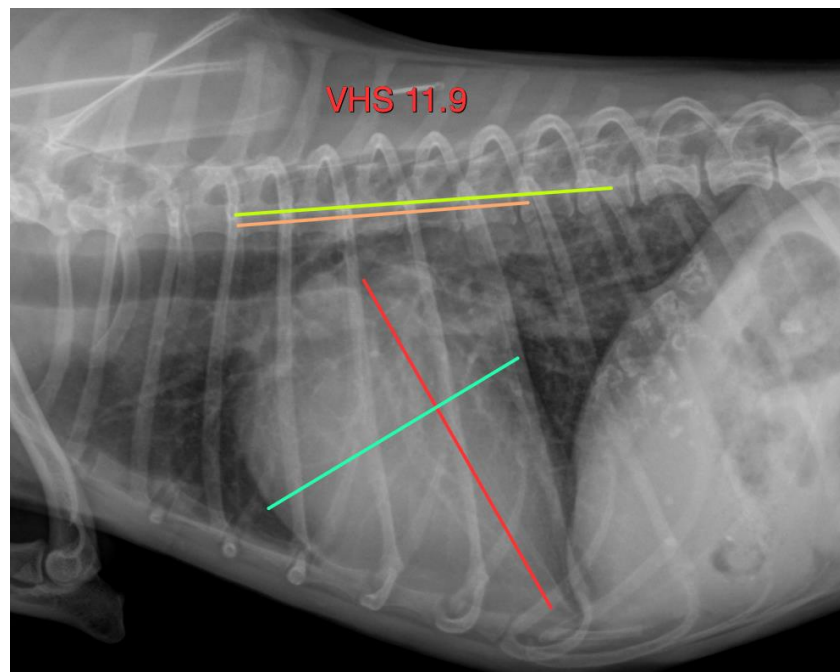
10 Years, 5 Months

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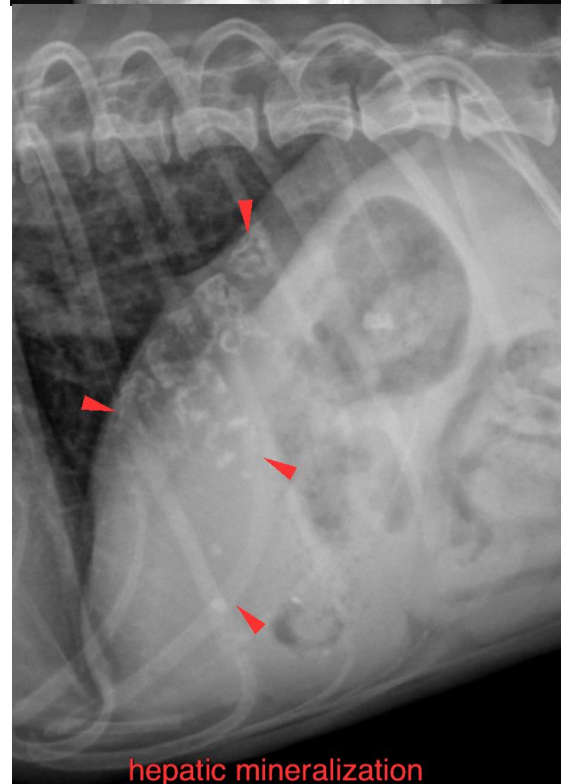
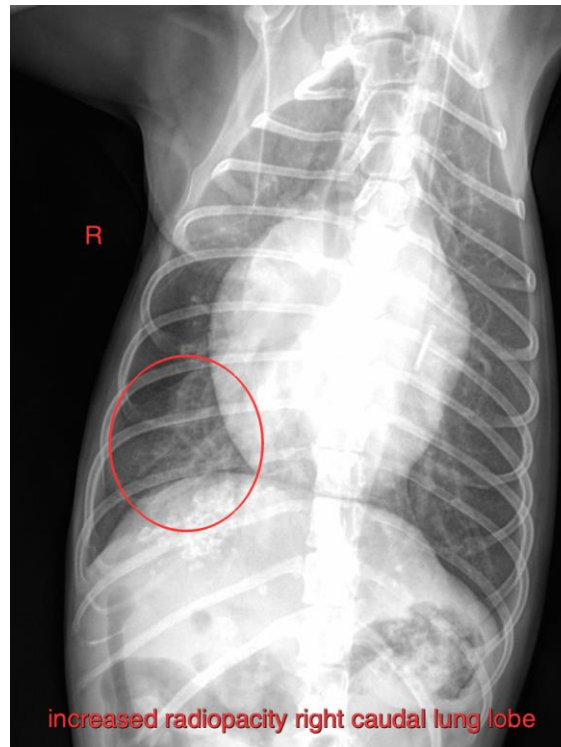
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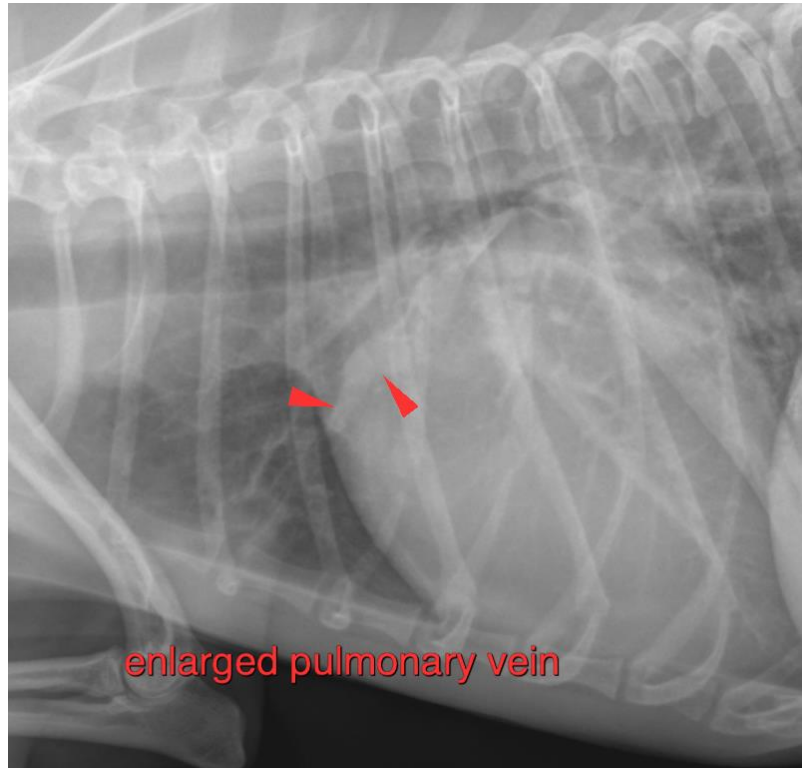
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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