



PATIENT PRESENTING CLINICAL SIGNS

Dan Dan Li Aug 14/22 increased drinking, developed abdominal issues possibly due to food change. Survey radiographs revealed large thoracic mass present near caudal dorsal aspect. Blood work shortly after revealed mild increase in calcium but clinically normal other than the already noted increased drinking. Aug 17/22 decreased lung sounds in caudal dorsal thorax, grade 2 heart murmur, improved blood but not normal, creatinine and calcium high. Owner reports very minor coughing occasionally, appetite poor and less active.
 Abnormal PE/Chem/CBC/UA Results: Urine consistently dilute, always around USG 10-11.

SPECIES

Canine

BREED

Golden Retriever

COMPUTED TOMOGRAPHY OF THE THORAX AND ABDOMEN

A high resolution pre- and post-contrast CT study of the thorax and abdomen is provided for review.

COMPUTED TOMOGRAPHIC FINDINGS

SEX

MN

Thorax

The bony and surrounding soft tissue structures are within normal limits.

AGE

8 Years

The sternal, cranial mediastinal and tracheobronchial lymph nodes are small elongated with a normal short-to-long-axis-ratio is < 0.5, the attenuation and contrast enhancement pattern is uniform and considered within normal limits.

The cardiovascular structures including the pulmonary vasculature are within normal limits.

INTERPRETED BY

Sebastian Schaub, DVM
 Dr. med. vet. DipECVDI

In the ventral aspect of the left caudal lung lobe, a well-defined, soft tissue attenuating mass with mild granulated mineralization and mild heterogeneous contrast enhancement is appreciated, measuring 12.9 x 9.2 x 14.2 cm in size. The accompanying bronchi are deviated and compressed. The dorsal aspect of the parenchyma of the left caudal lung lobe is compressed.

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Small incidental gas pockets are seen within the esophageal lumen, there is no evidence of abnormal dilation.

Abdomen

The serosal fat presents normal attenuation behavior. There is no evidence of peritoneal effusion or peritonitis. A separate left & right caudal vena cava of the pre-renal segment is appreciated-

REFERRING VET

Dr. C. Hickling

Both kidneys present within normal limits for size, shape and organ architecture. After contrast administration a bilaterally symmetric and uniform nephro- and pyelogram is noted.

The adrenal glands are within normal limits for size, shape and organ architecture.

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Both liver and spleen present with normal shape, even surface, uniformly attenuating parenchyma and homogeneous contrast enhancement, unremarkable.

The pancreas is evenly contoured, the pancreatic parenchyma is homogeneous and presents uniform contrast enhancement.

DATE

8-18-22

The position, delineation, wall and content of the gastrointestinal tract are considered within normal limits throughout.

The vertebral endplates of the lumbosacral junction present mild spondylosis formation. The periarticular bones of the coxofemoral joints present mild osteophyte new bone formation.



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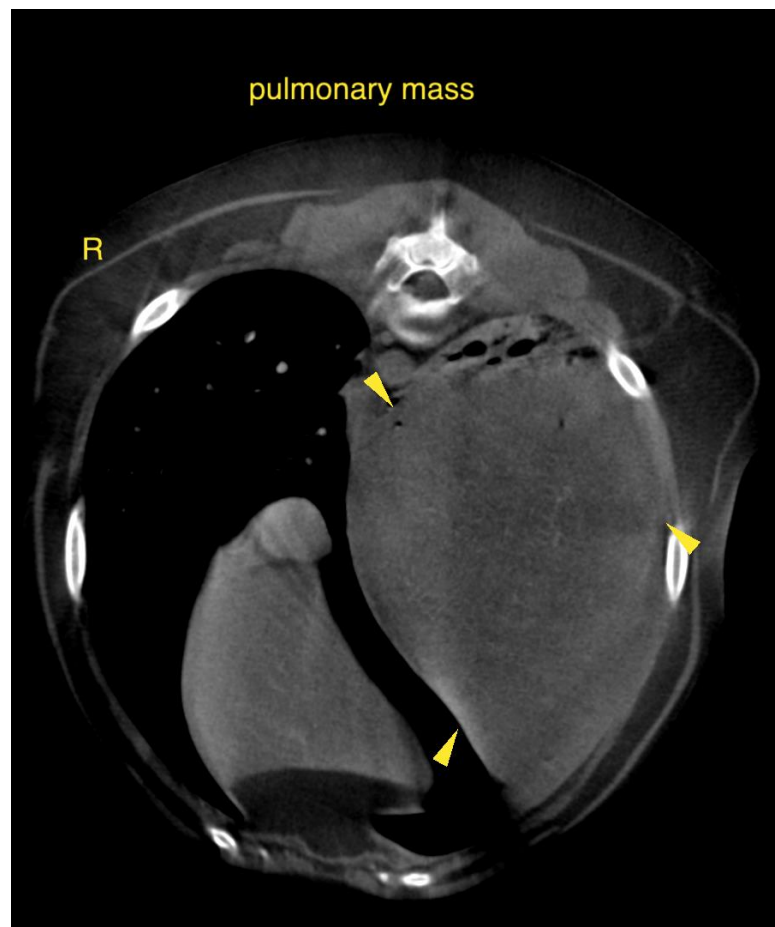
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COMPUTED TOMOGRAPHIC DIAGNOSIS

- Pulmonary soft tissue mass left caudal lung lobe with dystrophic mineralization
- No evidence of pulmonary metastatic disease
- Spondylosis deformans L7/S1
- Mild degenerative osteoarthritis coxofemoral joints bilaterally
- Double caudal vena cava, pre-renal segment

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The CT study is consistent with primary pulmonary neoplasia, originating from the left caudal lung lobe, bronchogenic/broncho-alveolar carcinoma is considered as the top differential. FNA sampling of the pulmonary mass can be used for further definition. Complete surgical excision of the mass by lobectomy of the left caudal lung lobe is considered feasible.





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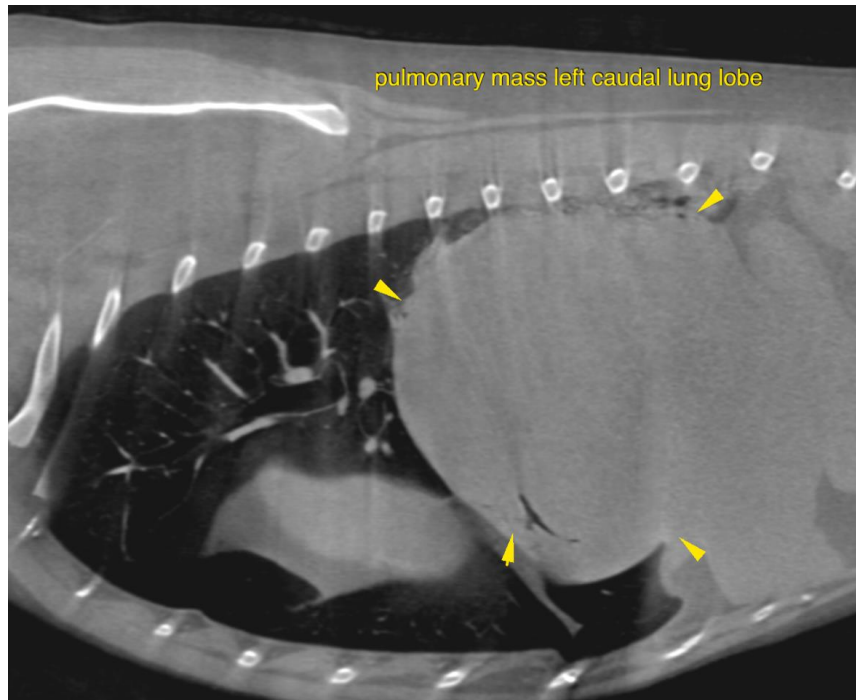
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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