



PATIENT PRESENTING CLINICAL SIGNS

Riley Pippy Owner moved 1.5 months ago from BC to Manitoba. Month & 1/2. hx of decreased appetite, lethargy, PD, vomiting. IV fluid diuresis started Oct 11th and very minimal improvement in kidney values. still lethargic, still decreased appetite.

SPECIES Abnormal PE/Chem/CBC/UA Results: Hypercalcemia, persistent mild thrombocytopenia and lymphopenia and elevated creatinine. ACTH test normal. Ionized calcium was elevated but now low since oral pred started. PTH low, Abdominal U/S -WNL. FNA of bone marrow undiagnostic. Urinalysis- sg- 1.010. SDMA elevated, 4DX- neg.

Canine

BREED COMPUTED TOMOGRAPHY OF THE ABDOMEN

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

COMPUTED TOMOGRAPHIC FINDINGS

SEX Thorax

MN The vertebral body of T1 presents moth eaten osteolytic lesions with multifocal cortical destruction. The first left rib presents with a small zone of osteolysis.

AGE The sternal and cranial mediastinal lymph nodes are mildly enlarged. In the cranioventral mediastinum, a prominent thymic remnant with mild convex shaped margins is appreciated..

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

INTERPRETED BY

Sebastian Schaub, DVM
Dr. med. vet. DipECVDI

The bronchial tree presents with regular branching and tapers uniformly towards the periphery as expected, the bronchial walls are thin and smooth. The bronchus-to-artery ratio is within normal limits.

The lung parenchyma presents the expected architecture and attenuation behavior.

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

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Abdomen

The serosal fat presents normal attenuation behavior. There is no evidence of peritoneal effusion or peritonitis.

REFERRING VET

Dr. Sra

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.

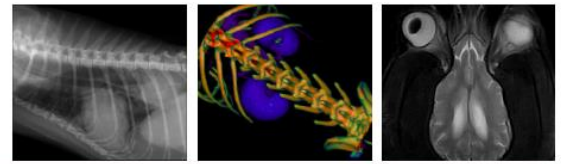
The pancreas is evenly contoured, the pancreatic parenchyma is homogeneous and presents uniform contrast enhancement.

DATE

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

The spinous process of L3 presents an ill-defined zone of osteolysis.



PATIENT

Riley Pippy

The lumbosacral intervertebral disc is protruding into the vertebral canal, occupying approximately 70% of the cross-sectional area of the vertebral canal at the same level.

COMPUTED TOMOGRAPHIC DIAGNOSIS

SPECIES

Canine

- Polyostotic aggressive osteolytic lesions, including vertebral body T2, first left rib and spinous process of L3
- Prominent thymic remnant with rounded margins
- Lymphadenopathy sternal & cranial mediastinal lymph nodes
- Degenerative lumbosacral stenosis with potential dynamic compression of the cauda equina fibers

BREED

Border Collie X

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

SEX

MN

The prominent thymic remnant, lymphadenopathy of the sternal and cranial mediastinal lymph nodes and the polyostotic osteolytic lesions in combination with the history of hypercalcemia are highly suggestive for underlying round cell tumor (e.g. lymphosarcoma, myeloma). Theoretically, underlying granulomatous disease – e.g. fungal infection – is a consideration as well. Recommend complementing workup by ultrasound guided FNA sampling of the sternal lymph node ± the enlarged thymic remnant (if accessible).

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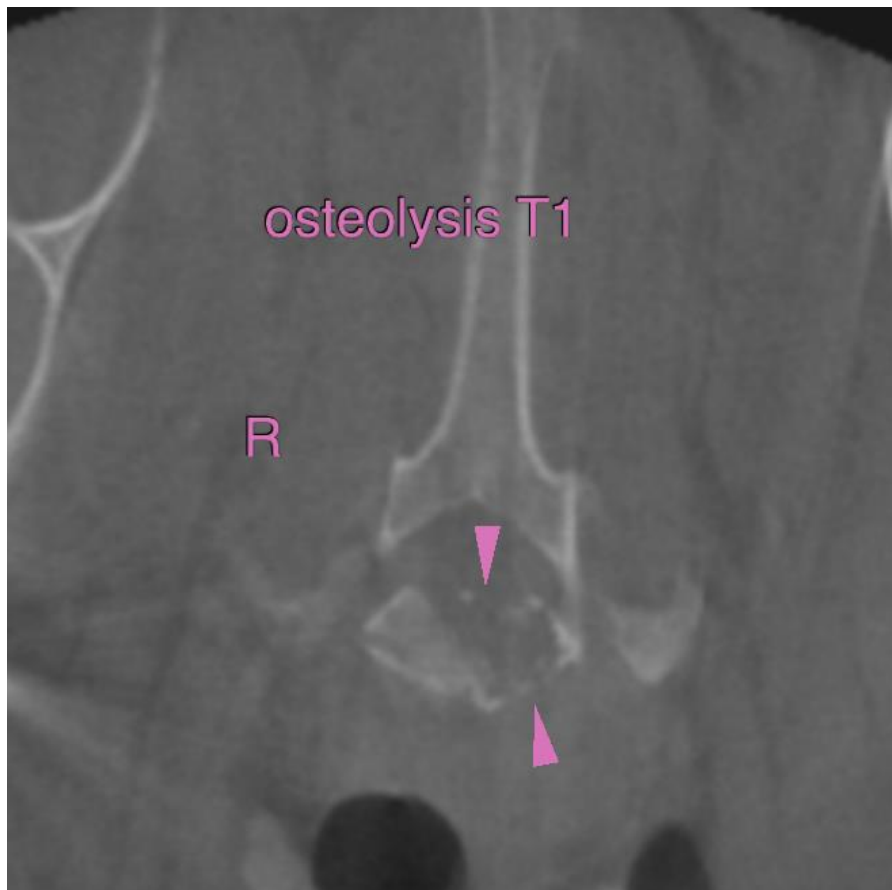
Dr. Sra

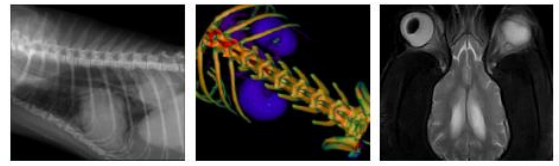
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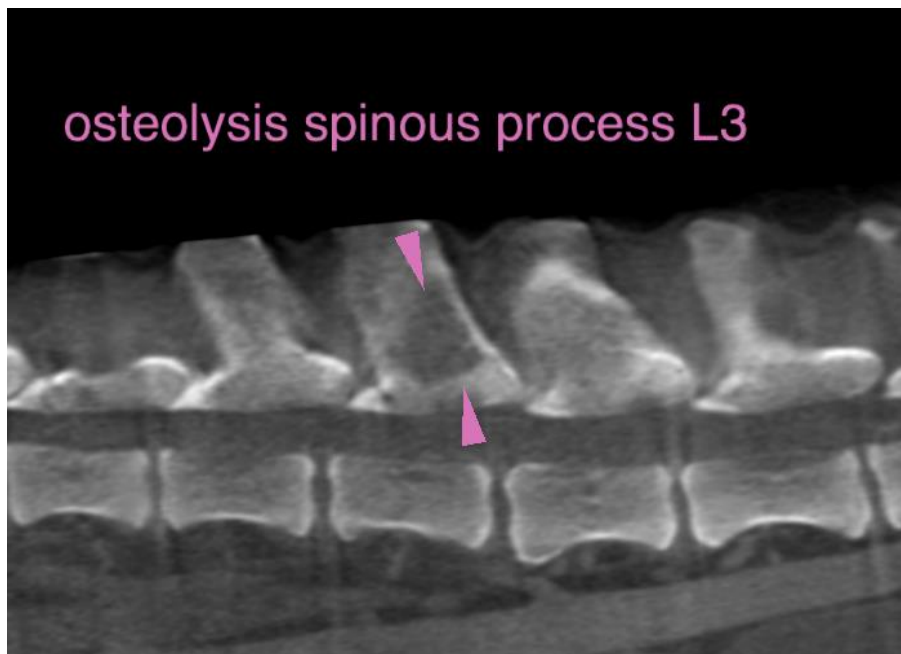
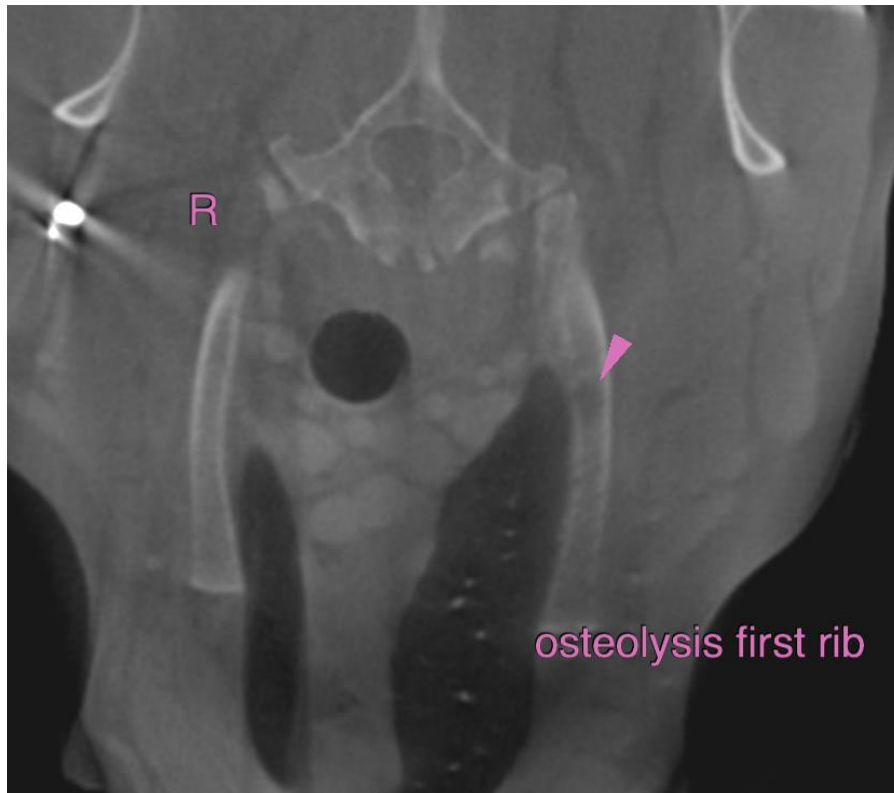
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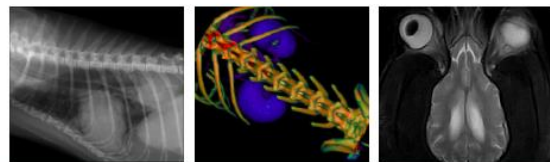
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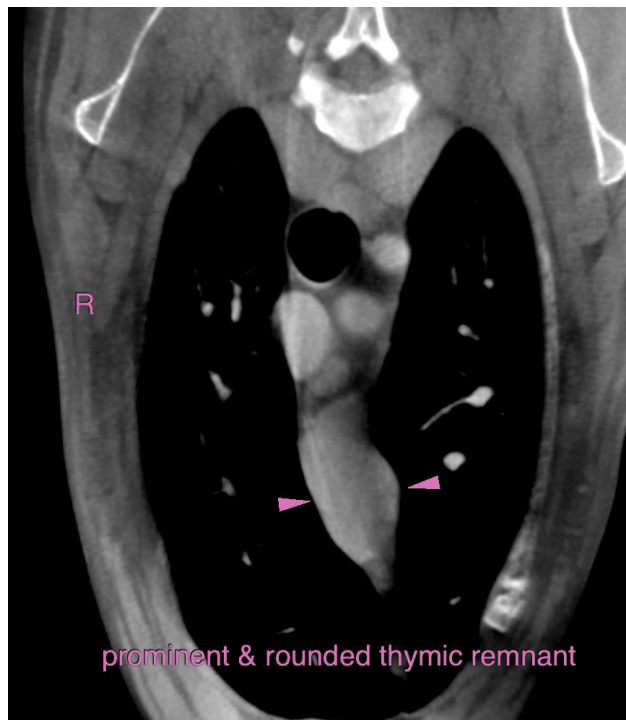
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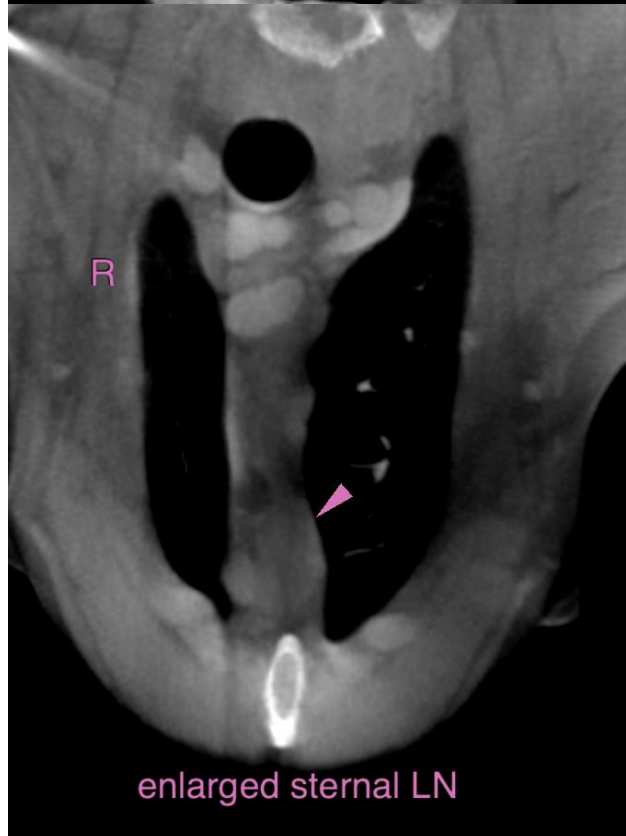
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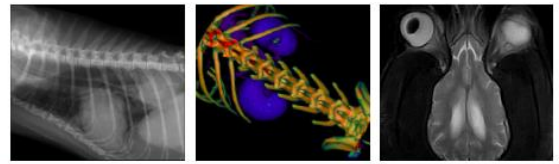
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prominent & rounded thymic remnant



enlarged sternal LN



PATIENT

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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.

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.

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