



PATIENT PRESENTING CLINICAL SIGNS

Buddy Isaac
 Patient presented for eye and general evaluation. Owner noted patient limping from left hind limb 10/13/2022, but then she noticed patient did not walk and was trembling all night. Owner noted eye ulcer since one week ago. Patient is eating well at home. PE: Musculoskeletal --- lameness on both hind limbs, lateral recumbent Neurological --- mentally appropriate, deep pain is present.

SPECIES

Canine
 Abnormal PE/Chem/CBC/UA Results: CBC --- RBC, HGB and HCT moderate decreased, LYM mild decreased. CHEM --- ALKP and ALT severe increased, CHOL increased, GGT increased, SDMA increased Ultrasound was performed and revealed a urinary bladder mass, FNA was performed and results is PENDING

BREED

Beagle

COMPUTED TOMOGRAPHIC STUDY OF THE THORACOLUMBAR SPINE

Plain and post contrast studies of the thoracolumbar spine with part of the abdomen included available for review.

SEX

NM

COMPUTED TOMOGRAPHIC FINDINGS

Thoracolumbar Spine

AGE

12 Years

Impression fracture with rounded margins, shortening of the vertebra, and longitudinal split is seen in T1 with dorsal deviation of a fracture fragment and moderate dorsal deviation and compression of the spine cord.

INTERPRETED BY

**Nele Eley, DVM
 Dr. med. Vet. DipECVDI**

Chronic organized mineralized disc extrusions are seen in the T12/13 and T13/L1 neuroforamina.

Mild intervertebral disc protrusions are present between L3/4 and L4/5.

HOSPITAL NAME

**Veterinary Image
 Center**

The lumbosacral disc presents mild protrusion.

There is a dorsal kink in the mid of the sacrum.

Abdomen

A hypoenhancing expansile nodule of the splenic head of 1.5 cm diameter is seen.

REFERRING VET

Dr. M. Carrillo, DVM

Multiple small and larger cysts are seen within both kidneys as well as multiple surface retractions with cortical infarcts and mineral attenuating material within the renal diverticuli.

Small hyperenhancing nodules are seen in the cranial poles of both adrenal glands.

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The included part of the liver and gallbladder present within normal limits except for a distended gallbladder.

DATE

10-17-22

Asymmetric moderate enlargement of the prostate with heterogeneous enhancement and multifocal mineralization is noted.

There appears to be mass-like thickening of the cranioventral urinary bladder wall with multifocal mineralization and heterogeneous contrast enhancement.



PATIENT

The left medial iliac lymph node is moderately enlarged with heterogeneous enhancement and mineralizing foci.

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COMPUTED TOMOGRAPHIC DIAGNOSIS

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- Prostatic and urinary bladder masses with mineralizations.
- Regional lymphadenomegaly of the left medial iliac lymph node with mineralizations.
- Expansile splenic nodule.
- Bilateral adrenal nodules.
- Multiple renal cysts and infarcts.
- Impression fracture of the 1st thoracic vertebra with moderate compression of the spinal cord: suspect pathologic fracture.
- Organized currently non-compressive disc extrusions T13/L1 and T12/13.
- Dorsal kink of the sacral body: suspect malformation.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The CT findings are highly suggestive for prostatic carcinoma and/or transitional cell carcinoma of the urinary bladder with metastatic disease to the medial iliac lymph nodes. The findings are not compatible with prostatitis, cystitis, and lymphadenitis especially not in a neutered male. Further verification by means of ultrasound guided sampling could be considered.

At this time, there appear to be no aggressive osteolytic lesions in the pelvis or lower lumbar spine. However, an impression fracture of the 1st thoracic vertebra appears to be present which may represent a pathologic fracture and causes cranial thoracic vertebral canal stenosis with spinal cord compression.



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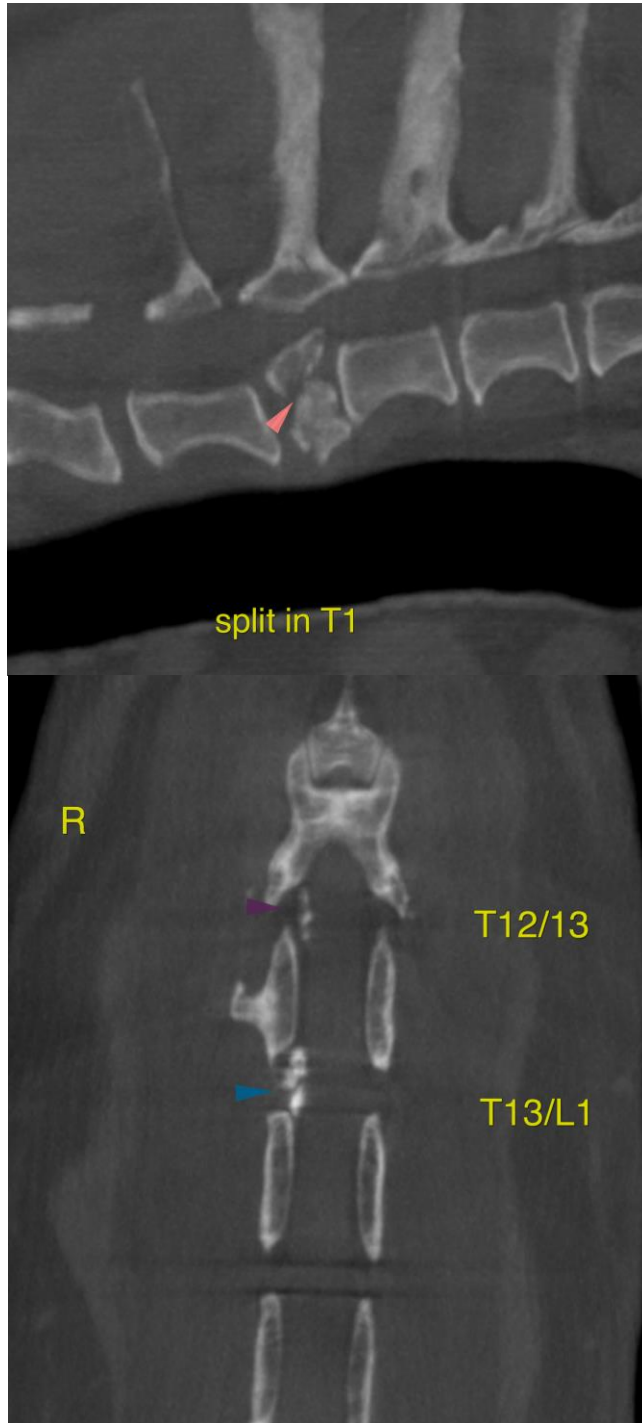
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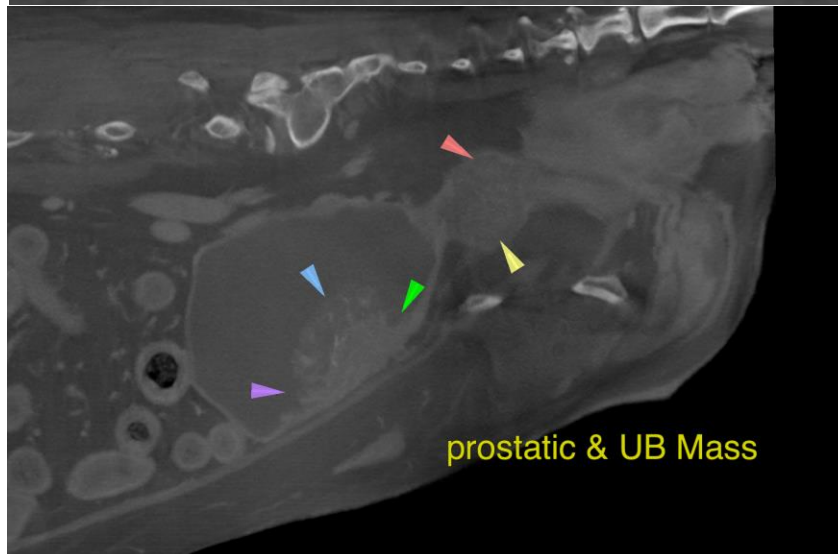
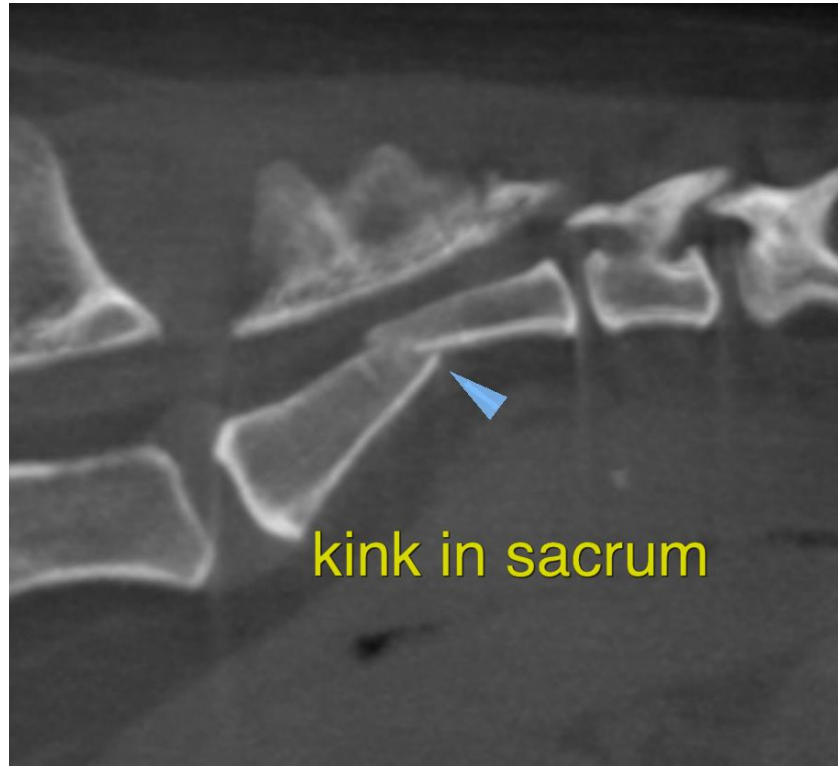
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

SPECIES

Canine

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