



PATIENT

Yahladie Gonzalez

PRESENTING CLINICAL SIGNS

A 10yrs old spayed pitbull with seizures since October 2021. Referral for CT Scan of the head and abdominal area foa a possible tumor of the left kidney.
Abnormal PE/Chem/CBC/UA Results: CBC --- mild anemia CHEM --- CREA and BUN mild increased

SPECIES

Canine

COMPUTED TOMOGRAPHY OF THE SKULL AND ABDOMEN

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

BREED

Pitbull

COMPUTED TOMOGRAPHIC FINDINGS

Skull

SEX

The pictured parts of the dentition are complete and unremarkable in all jaw quadrants.

SF

The nasal cavity presents the expected aerated spaces between thin & even conchae and turbinates with smooth mucosal lining.

AGE

10 Years

Both temporomandibular joints present congruent joint spaces with even subchondral bone surfaces and are considered within normal limits.

INTERPRETED BY

Sebastian Schaub, DVM
Dr. med. vet. DipECVDI

Both tympanic bullae are aerated, the mucosal lining is not seen, the bony wall is smooth and thin. A prominent tympanic bone spicule is visible in the left tympanic bulla, incidental. The external ear canals are moderately thickened and present mild to moderate shell like mineralization.

HOSPITAL NAME

Veterinary Image
Center

There is a moderate left sided deviation of the falx cerebri visible. Post contrast administration in the right occipital lobe, an ill-defined contrast enhancing region measuring 6 mm in diameter is visible.

REFERRING VET

Dr. P. Frontera, DVM

Abdomen

The left kidney presents complete loss of the normal architecture which is replaced by multiple variable sized nodular, heterogeneous soft tissue attenuating and contrast enhancing lesions measuring up to 4.6 cm in size; resulting in a multiloculated left renal mass. The right kidney presents with multiple heterogeneous contrast enhancing nodular lesions, protruding beyond the renal surface; measuring up to 1.8 cm in diameter.

INVOICE

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The retroperitoneal fat present mild to moderate fat-stranding.

DATE

12-8-21

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

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



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

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

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Post contrast administration, multifocal throughout the epaxial and gluteal musculature, variable sized contrast enhancing lesions are noted. Multifocal moderate spondylosis formation is seen along the lumbar spine. The left ventral aspect of the sacrum presents an ill-defined zone with permeative osteolysis perforating the cortex ventrally. Both coxofemoral joints present mild osteophyte new bone formation.

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The second caudal right mammary complex presents with a roundish soft tissue nodule, measuring 2.5 cm in size.

SEX

SF

The medial iliac lymph nodes bilaterally are prominent with a heterogeneous contrast enhancement pattern. The right inguinal lymph node is prominent with a heterogeneous contrast enhancement.

COMPUTED TOMOGRAPHIC DIAGNOSIS

AGE

10 Years

- Left renal multiloculated mass, secondary mild retroperitoneal effusion
- Right sided renal nodules
- Intracranial intraaxial contrast enhancing lesion right occipital lobe and swelling right cerebral hemisphere
- Aggressive osteolytic lesion sacrum
- Lymphadenopathy medial iliac lymph nodes bilaterally and left inguinal lymph node
- Multiple contrast enhancing lesions throughout the epaxial & gluteal musculature
- Nodular mammary mass
- Bilateral chronic otitis externa with dystrophic mineralization
- Spondylosis deformans

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The CT findings are compatible with disseminated neoplastic disease – suspect primary renal origin – with metastatic spread to the contralateral kidney, brain, musculature, lymph nodes and osseous metastasis. Carcinoma or hemangiosarcoma are the top differentials here. Unfortunately, there are no feasible treatment options, and the prognosis is infaust.

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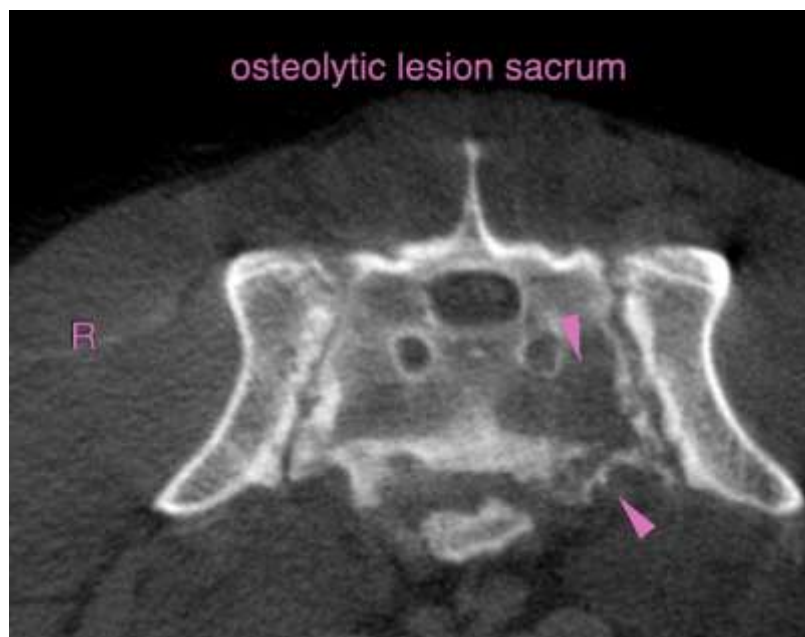
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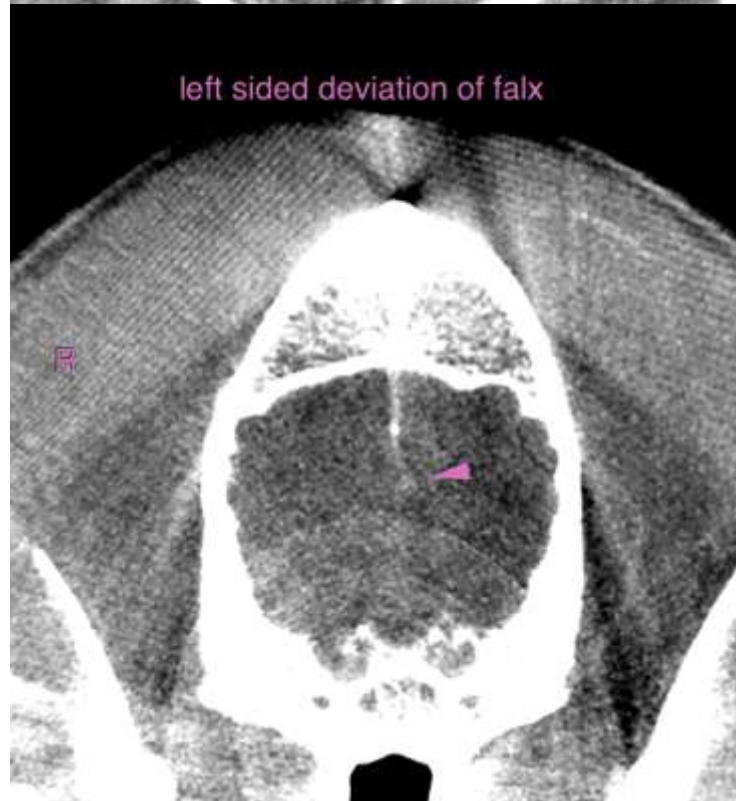
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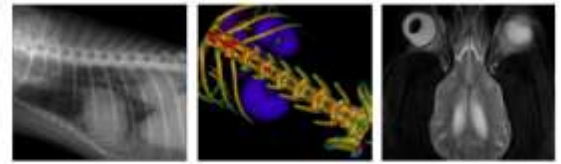
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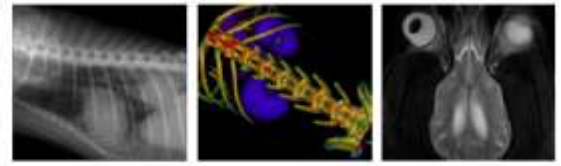
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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