



PATIENT PRESENTING CLINICAL SIGNS

Soup Khan Left tarsal lymphdema Left MCT digit 2 hind limb left stifle thickened rule out ACL tear

COMPUTED TOMOGRAPHY OF THE THORAX, ABDOMEN AND HIND LIMBS

SPECIES

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

Canine

COMPUTED TOMOGRAPHIC FINDINGS

BREED

Thorax

Pitbull

In the left epaxial musculature, level T8/T9, an intramuscular lipoma is visible, measuring approximately 8 mm in size.

The mediastinum is moderately widened by fat.

SEX

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.

MN

AGE

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

12 Years

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.

INTERPRETED BY

The ventral aspects of the lung present a decreased volume and consolidated parenchyma with air-bronchograms.

Sebastian Schaub, DVM
Dr. med. vet. DipECVDI

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

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Abdomen

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

REFERRING VET

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.

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The left adrenal gland is prominent, measuring 9.1 mm in diameter and the right adrenal gland is measuring 8 mm in diameter.

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

INVOICE

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

55052

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

DATE

The bony and surrounding soft tissue structures reveal no abnormalities.

11-8-22



PATIENT

Soup Khan

Hind limbs

The second phalanx the left hind paw is absent and centered on the distal aspect of the second metatarsal bone, a roundish, heterogeneous contrast enhancing soft tissue swelling is noted. The distal segment of the second metatarsal bone of the left hind paw presents permeative osteolytic lesions and mild amorphous periosteal new bone formation.

SPECIES

Canine

At the plantar aspect of the metatarsal bone of the left hind limb, a mild heterogeneous contrast enhancing soft tissue swelling is appreciated; measuring approximately 7.0 x 2.5 x 2.6 cm in size.

BREED

Pitbull

The left talocrural joint presents a significant thickening of the joint capsule. The periarticular bones of the left talocrural joint present multiple punched out osteolytic lesions of the subchondral bone.

SEX

MN

The left stifle joint presents smooth osseous margins and without signs of intracapsular soft tissue swelling.

The left popliteal lymph nodes are prominent and have a mild heterogeneous contrast enhancement pattern.

AGE

12 Years

The volume of the musculature of the left hind limb is mildly decreased.

The osseous and surrounding soft tissue structures of the right hind limb are within normal limits.

COMPUTED TOMOGRAPHIC DIAGNOSIS

- Polyostotic aggressive osteolytic lesions second metatarsal bone left hind paw and periarticular bones left talocrural joint
- Soft tissue mass plantar aspect left metatarsal region
- Lymphadenopathy left popliteal lymph nodes
- Bilateral mild adrenomegaly
- Atelectasis ventral dependent aspects of the lung

INTERPRETED BY

Sebastian Schaub, DVM
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HOSPITAL NAME

Animal Surgical
Center

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The soft tissue mass associated with the distal aspect of the second metatarsal bone, palmar aspect of the left metatarsal region and the left talocrural joint are consistent with biologically aggressive neoplastic disease – I consider the odds for sarcoma or histiocytic sarcoma high – with secondary osteolysis of the second left metatarsal bone and lytic lesions of the periarticular bones of the left talocrural joint. The odds for metastatic spread to the left popliteal lymph nodes are high. Recommend FNA sampling ± biopsy of the mass including the left talocrural joint for further workup. Due to the local disseminated neoplastic changes, amputation of the left hind limb is considered as the therapy of choice.

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There is no evidence of pulmonary metastatic disease, however small lesions may be effaced in the consolidated regions of the lung.

The adrenomegaly can indicate (non)functional hyperplasia of the adrenal glands – correlate with possible changes of blood work.

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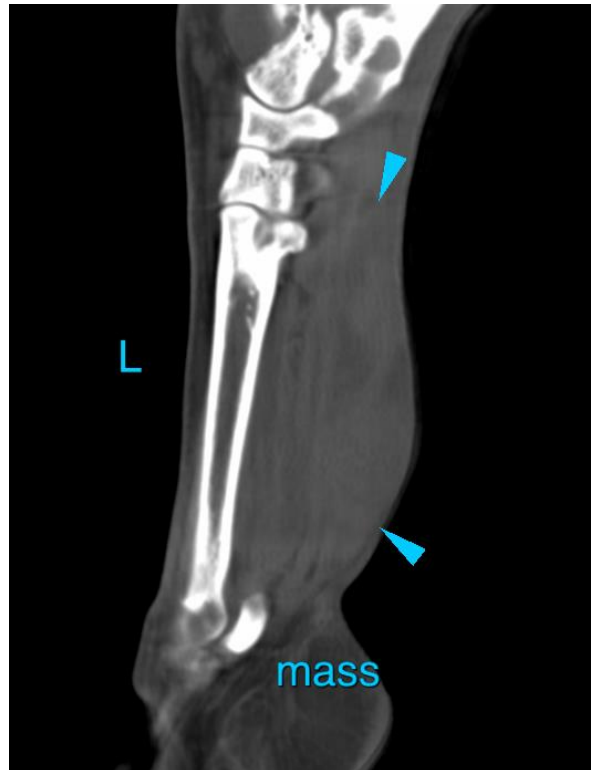
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

Sebastian Schaub, Sebastian Schaub, DVM, Dr. med. vet. DipECVDI
sebast.schaub@gmail.com

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