



PATIENT PRESENTING CLINICAL SIGNS

PATIENT Kelev Poskazer Presented for lethargy , unable to walk , and painful abdomen. Abdominal ultrasound revealed cavitated liver mass, thoracic radiographs clear of metastasis. Cytology revealed neoplasia. Possible sarcoma VS neuroendocrine tumor/carcinoid tumor VS amelanotic melanoma. Presence of melanin granules. Bloodwork revealed lymphocytopenia on CBC, and elevated liver enzymes. CT performed for staging and surgical planning.

SPECIES Canine Abnormal PE/Chem/CBC/UA Results: Chemistry on November 9 - ALT 4645 H, AST 709 H, ALP 604 H, Choles 470 H, Creatine Kinase 323 H

BREED COMPUTED TOMOGRAPHY OF THE THORAX AND ABDOMEN

Beagle X A pre- and post-contrast CT study of the thorax and abdomen in a bone, lung and soft tissue reconstruction are provided for review.

COMPUTED TOMOGRAPHIC FINDINGS

SEX Thorax

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

AGE 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.

14 Years, 9 Months The cardiovascular structures are within normal limits. Multiple pulmonary arteries of the caudal lung lobes are mildly dilated and present mineralization of the wall.

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.

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The lung parenchyma presents the expected architecture and attenuation behavior.

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

Abdomen

REFERRING VET

Jerome Gagnon

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

Both kidneys present within normal limits for size, shape and organ architecture. After contrast administration both kidneys present with intraparenchymal roundish parenchymal filling defects.

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

The spleen presents with normal shape, even surface, uniformly attenuating parenchyma and homogeneous contrast enhancement, unremarkable.

DATE

11-22-22

Originating from the right medial liver lobe, a multicameral, soft tissue attenuating and heterogeneous contrast enhancing mass is appreciated, measuring 7.3 x 8.0 x 7.5 cm in size. A second mass is originating from the caudoventral aspect of the papillary process of the caudate liver lobe presenting a heterogeneous contrast enhancement pattern; measuring 4.0 x 3.2 x 2.9 cm in size.



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

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

SPECIES

Canine

The sacral and medial iliac lymph nodes bilaterally are significantly enlarged, rounded and presenting a heterogeneous contrast enhancement pattern.

Multiple metal attenuating small bodies are seen along the gluteal region bilaterally.

BREED

Beagle X

The osseous structures of the lumbar spine present multifocal zones with fatty bone marrow replacement.

COMPUTED TOMOGRAPHIC DIAGNOSIS

SEX

MN

- Hepatic mass lesions – right medial liver lobe and papillary process caudate liver lobe
- Lymphadenopathy hypogastric lymph nodes
- Mineralization of multiple segments of the pulmonary arteries
- Renal cysts
- No evidence of pulmonary metastatic disease

AGE

14 Years, 9 Months

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The hepatic masses in combination with the enlarged hypogastric lymph nodes is concerning for disseminated neoplastic disease – check the anal sacs for evidence of neoplastic transformation. A potential are two different entities with primary hepatic neoplasia (e.g. carcinoma, round cell tumor).

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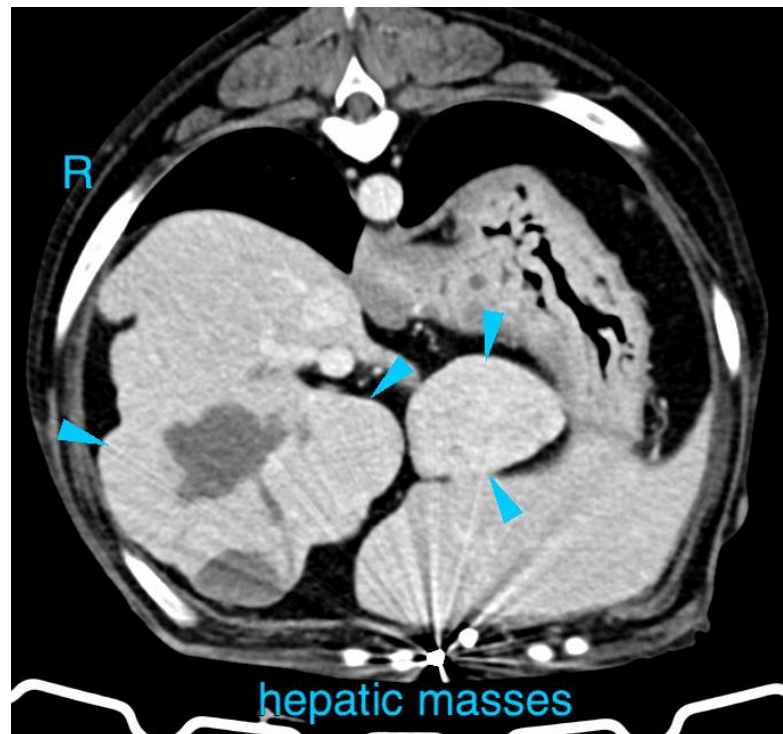
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SPECIES

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Beagle X

SEX

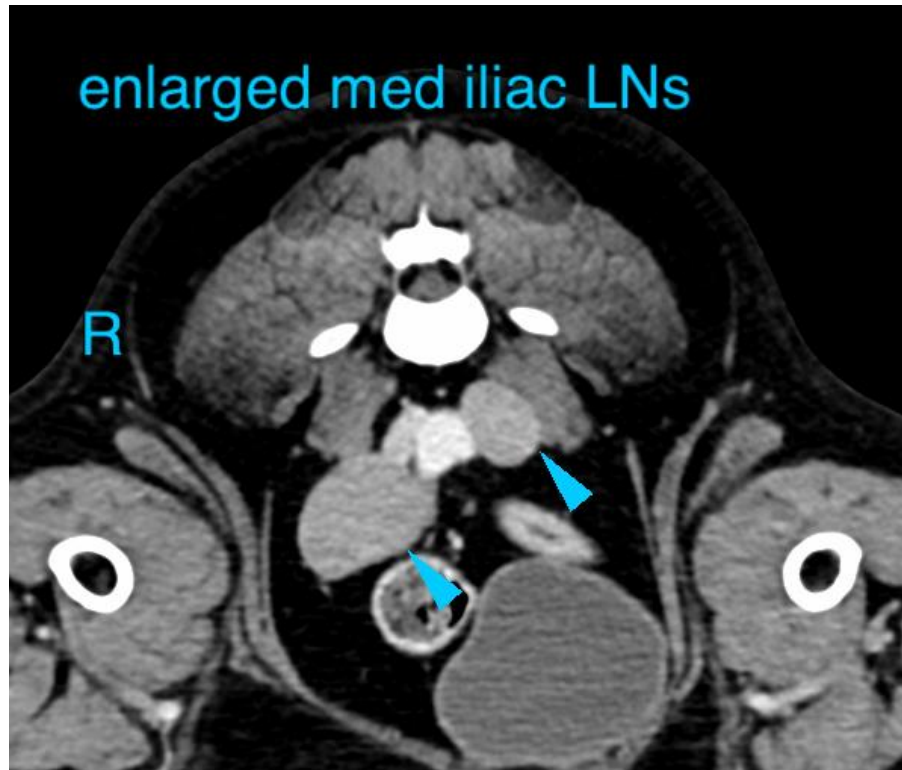
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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