



PATIENT PRESENTING CLINICAL SIGNS

PATIENT Colt Rodriguez
SPECIES Canine
BREED Sheltie

Suspected gallbladder mucocele (the previously anechoic region now has striations which occur as the material becomes more inspissated. There are also more cystic structures, these could be cysts but could also be dilated biliary structures. A new finding is a mass in the region of the right adrenal. Previously the adrenal in that area was of normal size. Based on the size and rapid growth this is likely a malignant tumor, though other etiologies (infectious/inflammatory lesion) cannot be completely ruled out. Hx of heart murmur monitored by cardiologist. Dx'd with Degenerative mitral valve disease. Mild mitral regurgitation with mild left atrial dilation, minor progression. Abnormal PE/Chem/CBC/UA Results: Bilirubin and ALT are mildly elevated, cholesterol moderately. CBC is unremarkable.

COMPUTED TOMOGRAPHY OF THE THORAX AND ABDOMEN

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

SEX COMPUTED TOMOGRAPHIC FINDINGS

SEX Neutered Male Thorax

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

AGE 14 Years, 9 Months
 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.

INTERPRETED BY Sebastian Schaub, DVM
 Dr. med. vet. DipECVDI
 The cardiovascular structures including the pulmonary vasculature are within normal limits.

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.

HOSPITAL NAME Mobile Pet Imaging
 The parenchyma of the cranial lung lobes bilaterally presents zones with dystelectasis of the lung parenchyma. The remainder of the lung parenchyma present the expected architecture and attenuation behavior.

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

REFERRING VET Meaux Abdomen

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

INVOICE 56755
 Both kidneys present within normal limits for size, shape and organ architecture. After contrast administration both kidneys present multiple well-defined parenchymal filling defects, measuring <4 mm in size.

The left adrenal gland is within normal limits for size, shape and organ architecture.

DATE 2-15-23
 Originating from the right adrenal gland an ovoidal shaped, uniform soft tissue attenuating and mild irregular contrast enhancing mass is seen; measuring 3.2 x 3.6 x 3.5 cm in size. A filling defect is seen in the caudal vena cava level with the right adrenal mass, occupying approximately 50% of the cross-sectional area of the caudal vena cava at the same level with a focal punctuate mineralization.



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

Colt Rodriguez The hepatic volume is moderately increased and the caudoventral margins are rounded. Multifocal throughout the hepatic parenchyma, well-defined, roundish, variable sized, parenchymal filling defects are visible.

SPECIES In the ventral aspect of the gallbladder, a well-defined roundish mineral opaque body is seen, measuring 6 mm in size.
Canine

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

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

SEX Multifocal mild spondylosis formation is seen along the cranial lumbar spine.

Neutered Male Both coxofemoral joints present mild osteophyte new bone formation.

COMPUTED TOMOGRAPHIC DIAGNOSIS

- Right adrenal mass with vascular invasion
- Hepatomegaly with hepatic cysts
- Renal cortical cysts
- Cholecystolithiasis without evidence of mechanical obstruction
- Degenerative osteoarthritis coxofemoral joints bilaterally
- No evidence of pulmonary metastatic disease

AGE 14 Years, 9 Months

INTERPRETED BY

Sebastian Schaub, DVM
Dr. med. vet. DipECVDI

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

HOSPITAL NAME The CT study is consistent with primary right adrenal neoplasia, such as (non) functional adenocarcinoma or pheochromocytoma. The right adrenal mass presents evidence of vascular invasion with tumorthrombus formation which needs to be considered in case of surgical management.
Mobile Pet Imaging

REFERRING VET Potentials for the hepatomegaly include metabolic hepatic disease, steroid induced hepatopathy, hepatitis or less likely diffuse neoplastic infiltration. In case of doubt, ultrasound guided FNA sampling and/or Tru-cut biopsy can be used as minimally invasive methods for further workup.

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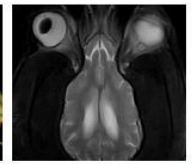
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**PATIENT**

Colt Rodriguez

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.

BREED

Sheltie

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SEX

Neutered Male

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