



PATIENT PRESENTING CLINICAL SIGNS

Shay Pets Alive History: Has a history of mass cell tumor and has developed a mammary mass.
 Abnormal PE/Chem/CBC/UA Results: ALT, AST, Cholesterol, and Creatine Kinase are all elevated on bloodwork. Positive for Lyme and anaplasma

SPECIES

Canine

COMPUTED TOMOGRAPHIC STUDY OF THE THORAX AND ABDOMEN

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

BREED

Pitbull Mix

COMPUTED TOMOGRAPHIC FINDINGS

Thorax

SEX

Spayed Female

The intervertebral disc T12/T13 is mildly bulging into the vertebral canal, distorting the ventral epidural space at the same level.

AGE

12 Years

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.

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

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.

The lung parenchyma presents the expected architecture and attenuation behavior with randomly distributed interspersed punctuate mineralization.

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

Abdomen

REFERRING VET

Dr. Joseph
 D'Abbraccio

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 a bilaterally symmetric and uniform nephro- and pyelogram is noted.

INVOICE

18137

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.

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PATIENT

Shay Pets Alive The liver is normal in size and shape. Multiple parenchymal filling defects are seen throughout the hepatic parenchyma.

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Canine Level with the portal vein, at the cranial aspect of the left lobe of the pancreas, a heterogeneous contrast enhancing nodular lesion, measuring 1.8 x 1.1 x 1.4 cm in size.

The hepatic lymph nodes are prominent.

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

SEX

Spayed Female Multifocal spondylosis formation is seen along the lumbar spine. The intervertebral discs L1/L2 to L3/L4 are mildly protruding into the vertebral canal, distorting the ventral epidural space at the same level. Both coxofemoral joints present moderate to marked osteophyte new bone formation. The acetabular groove bilaterally is shallow, and the center of the femoral heads is lateral to the dorsal acetabular rim.

The volume of the right thigh musculature is mildly decreased.

AGE

12 Years The periarticular bones of the right stifle joint present mild osteophyte new bone formation and a mild intracapsular swelling is noted.

The third left mammary complex from caudal presents a uniform soft tissue attenuating and heterogeneous contrast enhancing mass, measuring 3.4 x 1.1 x 4.3 cm in size.

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COMPUTED TOMOGRAPHIC DIAGNOSIS

- History of mammary mass third left mammary complex from caudal
- Nodular lesion at the cranial aspect of the left lobe of the pancreas
- Lymphadenopathy hepatic lymph nodes
- Mild degenerative osteoarthritis and articular swelling right stifle joint
- Multifocal intervertebral disc protrusions along the thoracic & lumbar spine without compressive myelopathy
- Hepatic cysts
- Degenerative osteoarthritis coxofemoral joints bilaterally, due to hip dysplasia
- Spondylosis deformans
- Pulmonary osteomas
- No evidence of pulmonary metastatic disease

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The nodular lesion at the cranial aspect of the left lobe of the pancreas, level with the portal vein can present either a prominent hepatic lymph node that is in contact with the pancreas or is consistent

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PATIENT with a pancreatic nodule (e.g. nodular hyperplasia, neoplasia – such as adenocarcinoma, insulinoma).
Ultrasound guided FNA sampling can be tried for further workup.

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The prominent hepatic lymph nodes are suggestive for reactive hyperplasia – consider ultrasound guided FNA sampling to rule out malignant transformation.

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Potentials for the hepatomegaly include metabolic hepatic disease, hepatitis or 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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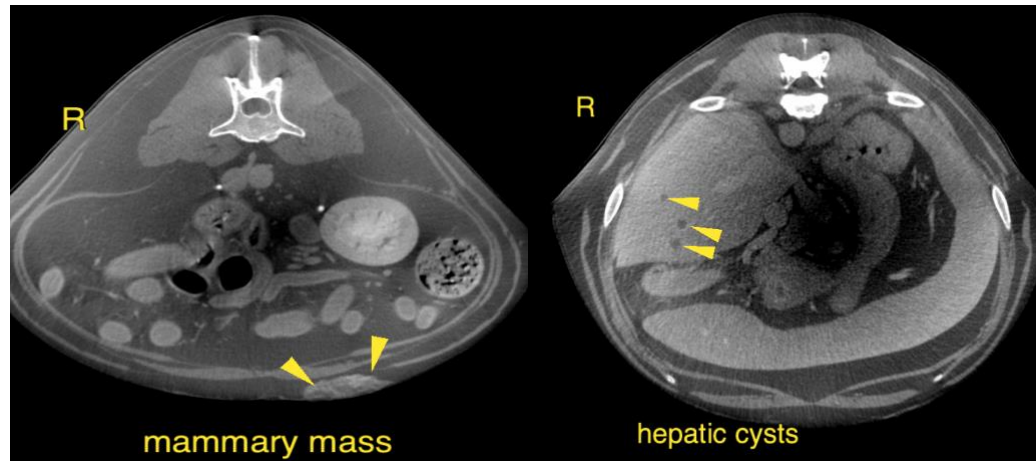
Consider complementing full tumor staging for mast-cell tumor by FNA sampling of the liver and spleen.

SEX

Spayed Female

AGE

12 Years



INTERPRETED BY

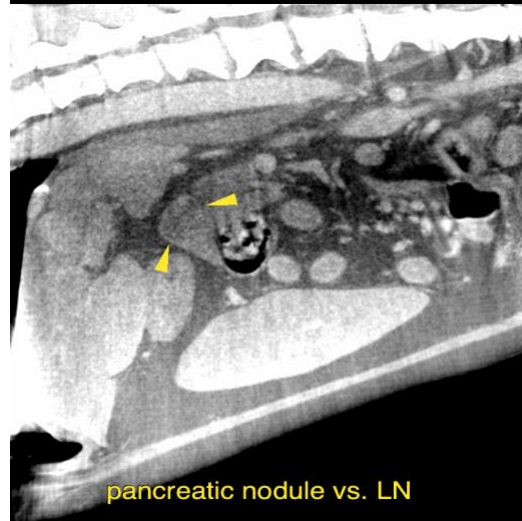
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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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Spayed Female

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