



**PATIENT**

Franklin Pets Alive

**PRESENTING CLINICAL SIGNS**

P presented 11/3 for not eating and suspect URI. Through ultrasound imaging, a splenic mass was observed. CT was performed pre-splenectomy to observe the spleen and to get a better look at P'S body overall. P is a shelter dog.

**SPECIES**

Canine

Abnormal PE/Chem/CBC/UA Results: P's PE was WNL, aside from a 4/6 heart murmur and left eye blindness. PCV/TS- 20%, 4.8 g/dl (Taken this AM after splenectomy) 4Dx- Negative CBC/Chem/Lytes- SDMA, ALT elevated BUN, AMYL, LIPA low

**BREED**

Shih Tzu

**COMPUTED TOMOGRAPHY OF THE THORAX AND ABDOMEN**

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

**COMPUTED TOMOGRAPHIC FINDINGS**

**SEX**

MN

Thorax

In the subcutaneous tissue dorsal to the thoracic spine, extending along the lateral aspect of the right scapula, multiple gas inclusions are visible.

A cranial mediastinal lymph nodes is prominent and rounded.

**AGE**

6 Years

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.

**INTERPRETED BY**

Sebastian Schaub, DVM  
Dr. med. vet. DipECVDI

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.

**HOSPITAL NAME**

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Services, PLLC

Abdomen

The serosal fat presents mild fat-stranding – accentuated in the cranial abdomen.

The left inguinal lymph node is prominent.

**REFERRING VET**

Dr. Joseph  
D'Abbraccio

The splenic and hepatic lymph nodes are moderately enlarged, rounded, uniform soft tissue attenuating and contrast enhancing.

Generalized moderate enlargement of the spleen is noted and the splenic margins are rounded. Approximately in the mid third of the spleen, an irregular roundish, uniform soft tissue attenuating and heterogeneous contrast enhancing mass is seen, measuring approximately 5.3 cm in size.

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The right kidney presents with a well-defined fluid attenuating roundish lesion, measuring 1.6 cm in diameter, mildly protruding beyond the renal surface.

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

**DATE**

11-8-22

The hepatic volume is moderately increased, and the liver is protruding caudally beyond the costal arch, the caudal margins are rounded. In the left medial liver lobe, a post contrast



**PATIENT** hyperattenuating lesion, measuring 7.8 mm in size is seen. The remainder of the hepatic parenchyma present a uniform contrast enhancement pattern.

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Generalized mild mural swelling of the gallbladder wall is seen, measuring 1.7 mm in width.

**SPECIES** The gastric wall is generalized prominent, the wall layering is maintained.

Canine

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

**BREED** The intervertebral discs L3/L4 to L7/S1 are protruding into the vertebral canal, occupying approximately up to 15% of the cross-sectional area of the vertebral canal at the same level.

Shih Tzu

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.

**SEX** **COMPUTED TOMOGRAPHIC DIAGNOSIS**

- MN
- Generalized splenomegaly and splenic soft tissue mass
  - Lymphadenopathy cranial mediastinal, left inguinal, splenic and hepatic lymph nodes
  - Hepatomegaly with solitary contrast enhancing parenchymal lesion
  - Mild ascites
  - Suspect edema gastric wall and gallbladder wall
- AGE**
- Emphysema along the dorsal aspect of the thoracic spine – suspect preceding subcutaneous injection
- 6 Years
- Degenerative osteoarthritis coxofemoral joints bilaterally, due to hip dysplasia
  - Renal cyst
  - No evidence of pulmonary metastatic disease

**INTERPRETED BY**

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**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**HOSPITAL NAME**

Catskill Veterinary Services, PLLC

The splenic mass in combination with the lymphadenopathy of the tributary lymph nodes is concerning for underlying round cell tumor. The ascites is considered paraneoplastic. Splenectomy has already been performed and results of histopathology are pending.

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.

**REFERRING VET**

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The suspected edema of the gastric wall can be a sequela to gastritis.

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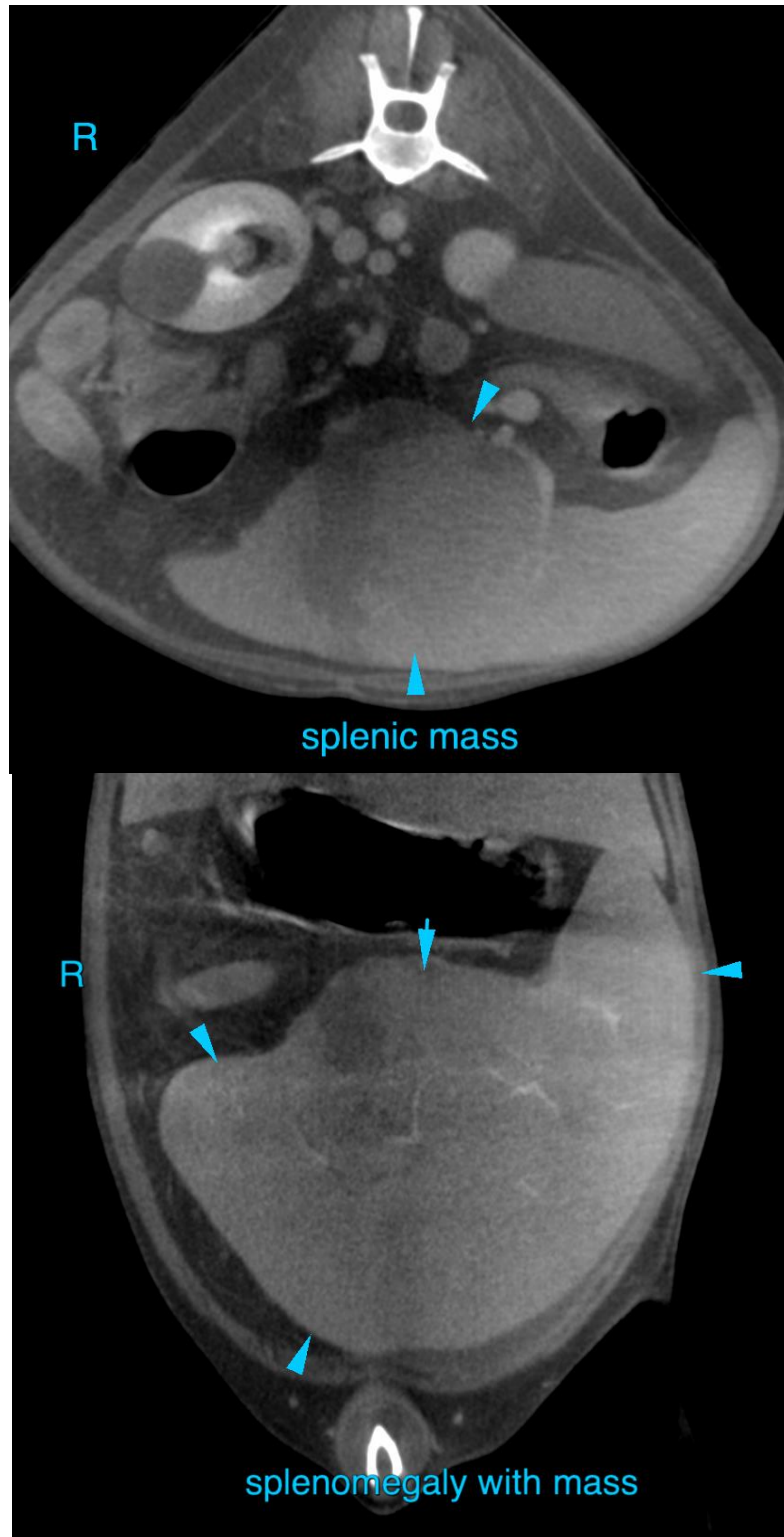
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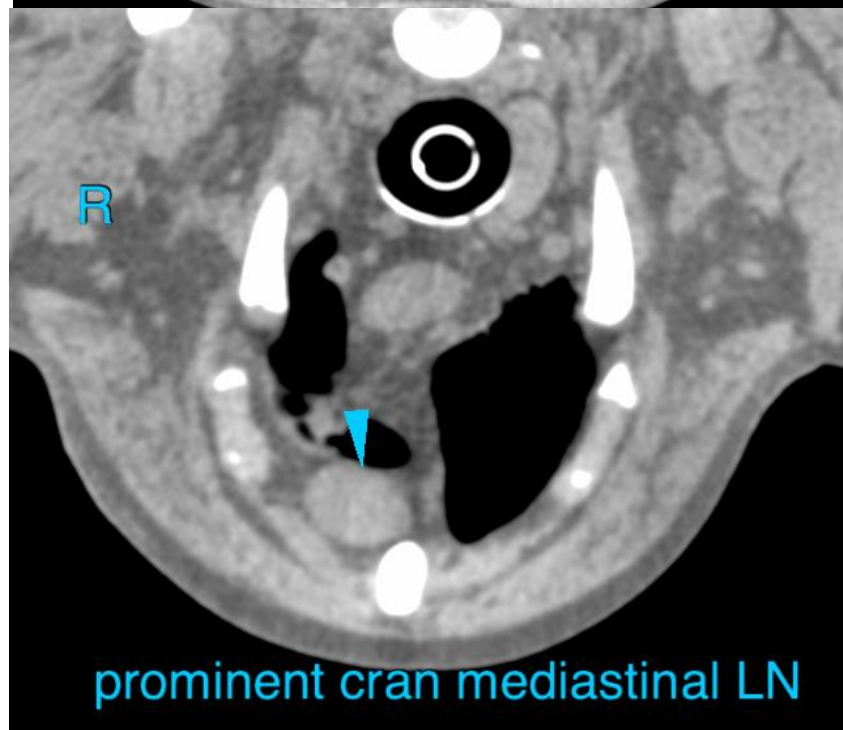
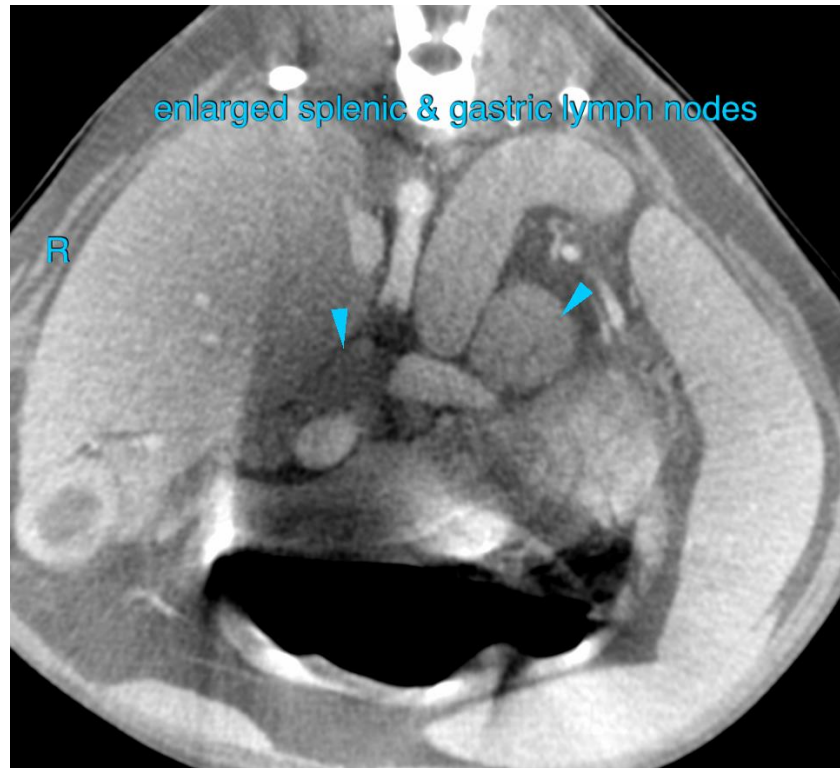
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

**BREED**

Shih Tzu

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  
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