



**PATIENT PRESENTING CLINICAL SIGNS**

Mason Berdugo  
 History: Surgical planning for adrenal mass and staging of thorax and abdomen. Sternal lymphadenopathy noted on x-rays.  
 Abnormal PE/Chem/CBC/UA Results:

**SPECIES**

Canine

**COMPUTED TOMOGRAPHIC STUDY 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.

**BREED**

Catahoula Mix

**COMPUTED TOMOGRAPHIC FINDINGS**

**Thorax**

**SEX**

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

Neutered Male

The sternal lymph nodes are prominent.

**AGE**

4 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.

The lung parenchyma presents the expected architecture and attenuation behavior.

**INTERPRETED BY**

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**

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

**REFERRING VET**

Dr. Meaux

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.

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

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

The hepatic volume is moderately increased the liver is protruding beyond the costal arch; the gastric axis is deviated caudally. The caudoventral hepatic margins are rounded. The hepatic parenchyma is

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**PATIENT** uniform soft tissue attenuating and presents a heterogeneous contrast enhancement pattern. The hepatic margins are mildly undulating.

Mason Berdugo

The common bile duct is mildly dilated, measuring 2.6 mm in diameter.

**SPECIES** The hepatic, splenic, pancreaticoduodenal and mesenteric lymph nodes are moderately enlarged, rounded, uniform soft tissue attenuating and present mid heterogeneous – peripherally accentuated – contrast enhancement pattern. The surrounding peritoneal fat shows mild fat-stranding.

Canine

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

**BREED**

Catahoula Mix

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

**SEX**

The bony and surrounding soft tissue structures reveal no abnormalities.

Neutered Male

**COMPUTED TOMOGRAPHIC DIAGNOSIS**

**AGE**

4 Years

- Lymphadenopathy multiple peritoneal lymph nodes (see above) with surrounding mild peritonitis
- Lymphadenopathy sternal lymph nodes
- Hepatomegaly with heterogenous contrast enhancement pattern
- Mild dilation of the common bile duct
- No evidence of pulmonary metastatic disease

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**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The lymphadenopathy of multiple abdominal and the sternal lymph nodes in combination with the diffuse hepatic changes are highly concerning for round cell tumor. The odds for primary inflammatory origin – marked hepatitis and septic lymphadenopathy are low. Recommend ultrasound guided FNA sampling of the enlarged mesenteric lymph nodes and the liver for further definition. If the diagnosis can be confirmed, the chances of chemotherapy might be discussed with oncologist.

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No abnormalities of the adrenal glands are appreciated.

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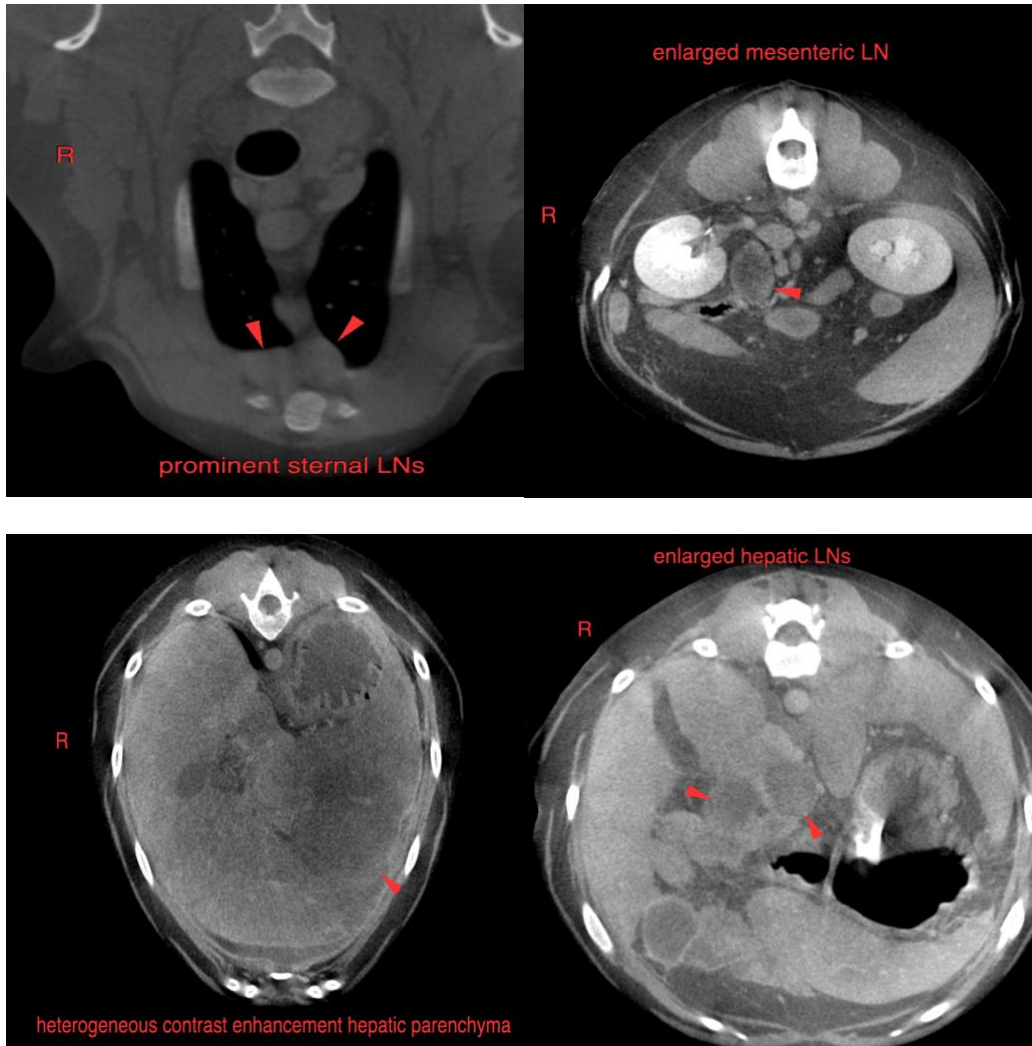
Dr. Meaux

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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.

**Sebastian Schaub**, Sebastian Schaub, DVM, Dr. med. vet. DipECVDI  
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