



**PATIENT PRESENTING CLINICAL SIGNS**

Remy Gluck  
Surgical planning for Liver mass  
Abnormal PE/Chem/CBC/UA Results: elevated ALT >1000

**SPECIES COMPUTED TOMOGRAPHY OF THE THORAX AND ABDOMEN**

Canine  
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 COMPUTED TOMOGRAPHIC FINDINGS**

Beagle Mix  
Thorax

In the subcutaneous tissue at the left cranial aspect of the sternum/caudal aspect of the neck, a well-defined lipoma measuring up to 3.5 cm in size is visible.

**SEX**

Female Spayed  
Multifocal moderate spondylosis formation is seen along the thoracic spine. Both shoulder joints present mild osteophyte formation.

**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.

**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.

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The lung parenchyma presents the expected architecture and attenuation behavior. A mineralized subpleural plaque is seen in the caudolateral aspect of the right cranial lung lobe.

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

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Meaux

Abdomen

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

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Both kidneys present a mild decreased volume and mild irregular margins. A small amount of mineral attenuating material is associated with the renal pelvis bilaterally.. After contrast administration multiple small (<1 mm) parenchymal filling defects are seen throughout the renal cortex.

**DATE**

2-17-22

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.



**PATIENT**

Remy Gluck

The hepatic volume is generalized moderately increased and the caudoventral margins are rounded. Originating from the left lateral liver lobe, a well-defined, ovoid shaped, mild heterogeneous soft tissue attenuating and heterogeneous contrast enhancing mass is seen, measuring 9.0 x 5.8 x 6.5 cm in size. Multiple pre- and post- contrast hypoattenuating parenchymal filling defects are seen in the parenchyma of the left medial liver lobe. The caudate process of the caudate liver lobe presents convex lateral margin, the parenchyma is uniform soft tissue attenuating and contrast enhancing.

**SPECIES**

Canine

The gallbladder contains a mild amount of mild hyperattenuating biliary sludge

**BREED**

Beagle Mix

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.

**SEX**

Female Spayed

Both coxofemoral joints present moderate osteophyte new bone formation.

**COMPUTED TOMOGRAPHIC DIAGNOSIS**

**AGE**

12 Years

- Hepatic mass left lateral liver lobe
- Hepatomegaly
- Rounded margins caudate process of caudate liver lobe
- Small hepatic cysts
- Renal cysts
- Nephrolithiasis without evidence of obstruction
- Lipoma left caudoventral aspect of the neck
- Degenerative osteoarthritis shoulder joints bilaterally
- Degenerative osteoarthritis coxofemoral joints bilaterally
- Spondylosis deformans
- No evidence of pulmonary metastatic disease

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**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**REFERRING VET**

Meaux

The findings are fitting the history of a solitary hepatic mass and primary hepatic neoplasia – such as hepatocellular adenoma/carcinoma – is the diagnosis. Complete surgical resection of the hepatic mass by lobectomy of the affected left liver lobe appears feasible.

The top potentials for the generalized hepatomegaly are metabolic hepatic disease or hepatitis. The odds for diffuse neoplastic infiltration of the liver are low.

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Check the caudate process for possible mass versus nodular hyperplasia/regeneration nodule.

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Canine

**BREED**

Beagle Mix

**SEX**

Female Spayed

**AGE**

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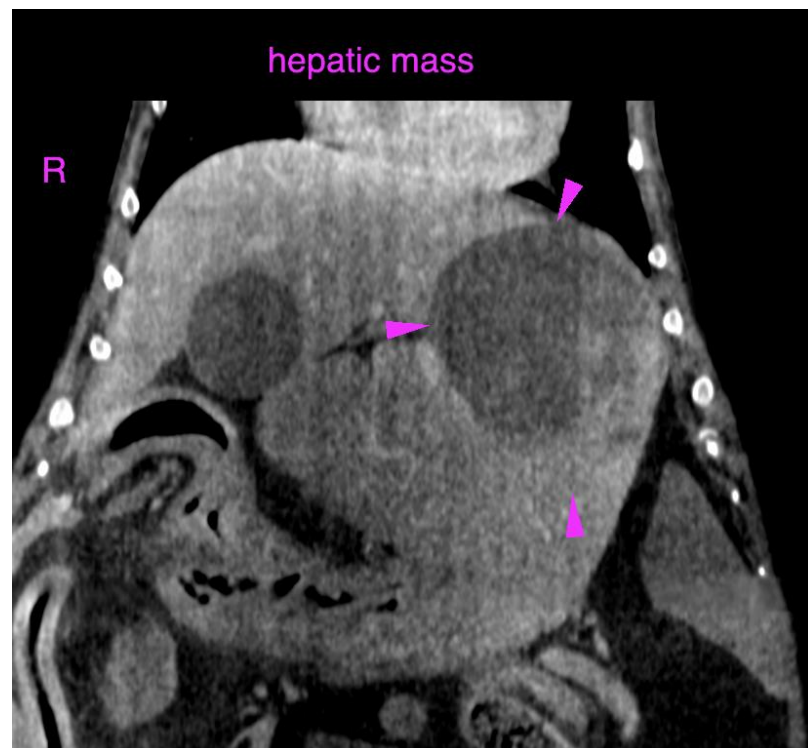
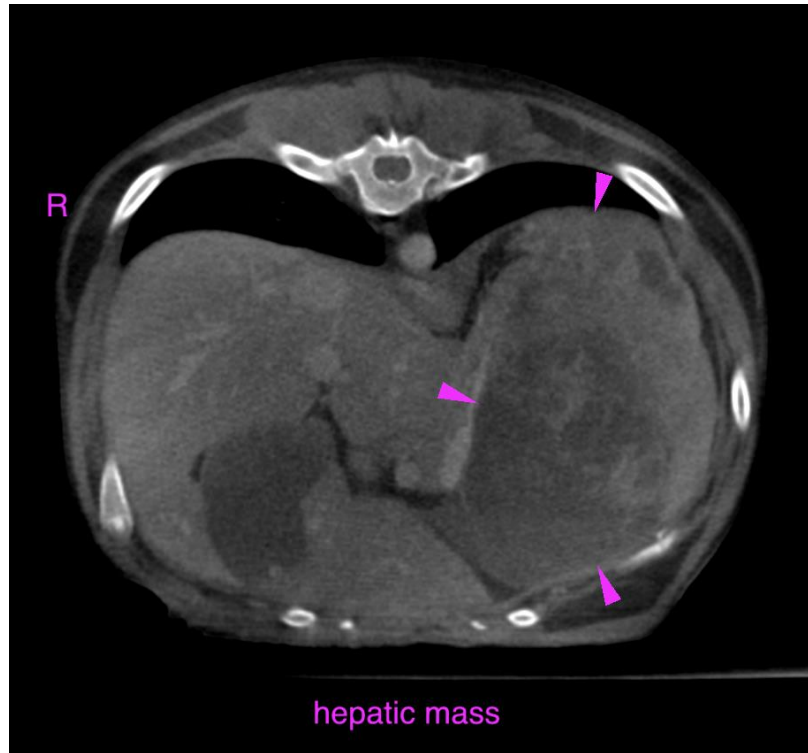
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**SPECIES**

Canine

**BREED**

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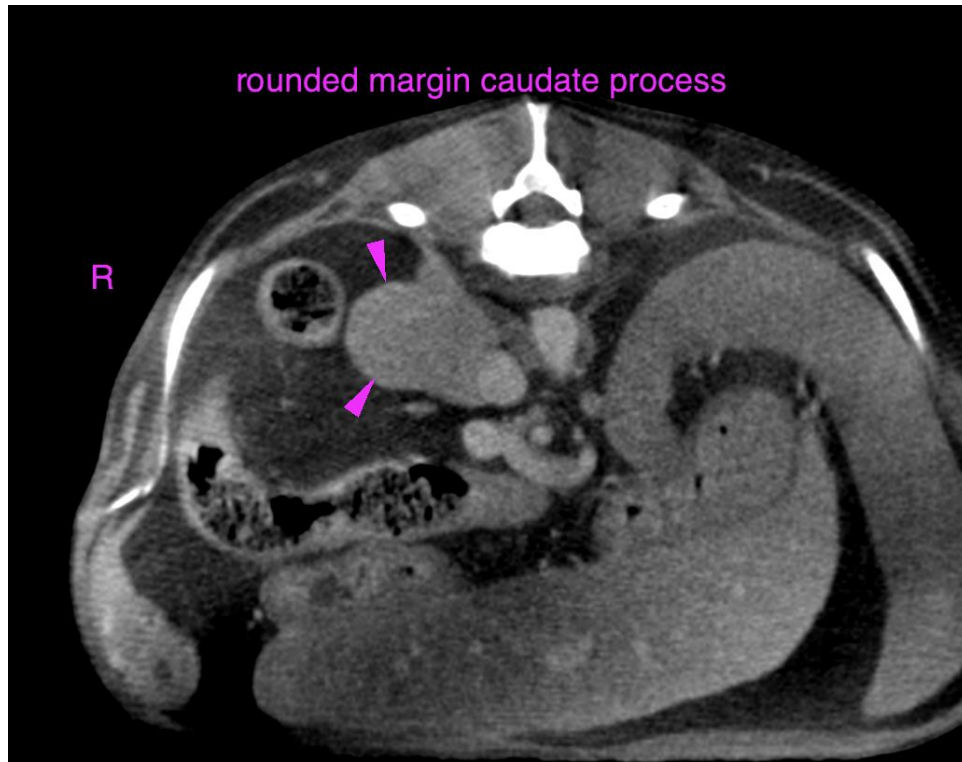
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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