



PATIENT

Shianne Turcotte

PRESENTING CLINICAL SIGNS

Older canine with previous hyporexia and abnormal behavior which prompted vet visit during which time a liver mass was found. Clinical signs have resolved now. Elevated liver enzymes (ALP>>ALT), GGT. On Vanectyl-P chronically for allergies. Heart murmur - mild mitral valve regurgitation. Clinically doing well at this time now,

SPECIES

Canine

Abnormal PE/Chem/CBC/UA Results: Elevated liver enzymes (ALP>ALT), minimally elevated BUN, mild hyposthenuria. Heart murmur.

BREED

COMPUTED TOMOGRAPHIC STUDY OF THE ABDOMEN & THORAX

Plain and post contrast studies available for review in soft tissue and lung windows.

Jack Russell Terrier X

COMPUTED TOMOGRAPHIC FINDINGS

SEX

Abdomen

FS

A large ill-defined cavitating left divisional liver mass is noted. The mass measures approximately 8 x 7 x 4 cm and occupies most of the left division of the liver from the diaphragm to the caudal extent of the left lateral liver lobe. Multifocal cavitation and heterogeneous enhancement are seen. A 2 x 1 cm sized hypoattenuating non-enhancing well delineated structure is seen on the caudal and medial surface of the left lateral liver lobe. This structure appears to be continuous with the liver lobe and does not appear to be contained within the liver capsule. There is no evidence of regional or generalized peritoneal effusion. The remainder of the hepatic parenchyma presents within the expected limits.

AGE

14

INTERPRETED BY

Nele Eley, DVM
Dr. med. Vet. DipECVDI

The gallbladder is moderately distended. A 6mm sized and 1mm sized gallbladder calculus is seen.

The splenic tail is not fully included. Occasional hyperenhancing splenic nodules are seen.

HOSPITAL NAME

Animal Health
Partners

Multiple cortical renal infarcts and small cortical renal cysts are seen in both kidneys.

The adrenal glands, pancreas, and gastrointestinal tract present within age related normal limits.

REFERRING VET

Dr. Ashley Gold

Thorax

A small subcutaneous nodule is seen to the left of the midline level with the 10th thoracic vertebra.

A 3 x 1.5 cm size lipoma with muscle fiber involvement is seen in the proximal and caudal left thoracic limb.

INVOICE

50554

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 are uniform and considered within normal limits.

DATE

2-24-22

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

Mild dorsal flattening of the cervical trachea is seen.

The bronchial tree presents with regular branching and tapers uniformly towards the periphery

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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.

SPECIES

Canine

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

COMPUTED TOMOGRAPHIC DIAGNOSIS**BREED**

Jack Russell Terrier X

- Large left divisional liver mass meeting neoplastic criteria.
- Non-enhancing hypoattenuating structure extending into the epigastrium from the caudal and medial aspect of the left lateral liver lobe.
- Hyperenhancing splenic nodules.
- Degenerative changes and infarcts of both kidneys.
- Nonobstructive gallbladder calculi.
- Subcutaneous nodule.
- Lipoma with muscular involvement caudally within the left thoracic limb.

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The CT study confirms the presence of a large left divisional liver mass meeting neoplastic criteria. Left lateral lobe origin is considered most likely. Left medial lobe involvement cannot be ruled out. The mass is in a resectable position. No additional masses are noted within the liver. Differential diagnosis includes hepatocellular carcinoma, secondary neoplasia of the liver such as hemangiosarcoma and other, and hepatoma.

The hypoattenuating structure attached to the caudal and medial aspect of the left lateral liver lobe may represent organizing hematoma and less likely peritoneal involvement/seeding.

HOSPITAL NAME

Animal Health
Partners

Differential diagnosis for the splenic nodules includes benign age related nodular hyperplasia and extramedullary hematopoiesis. Metastatic disease is thought less likely but cannot be ruled out entirely.

There was no evidence of pulmonary metastatic disease.

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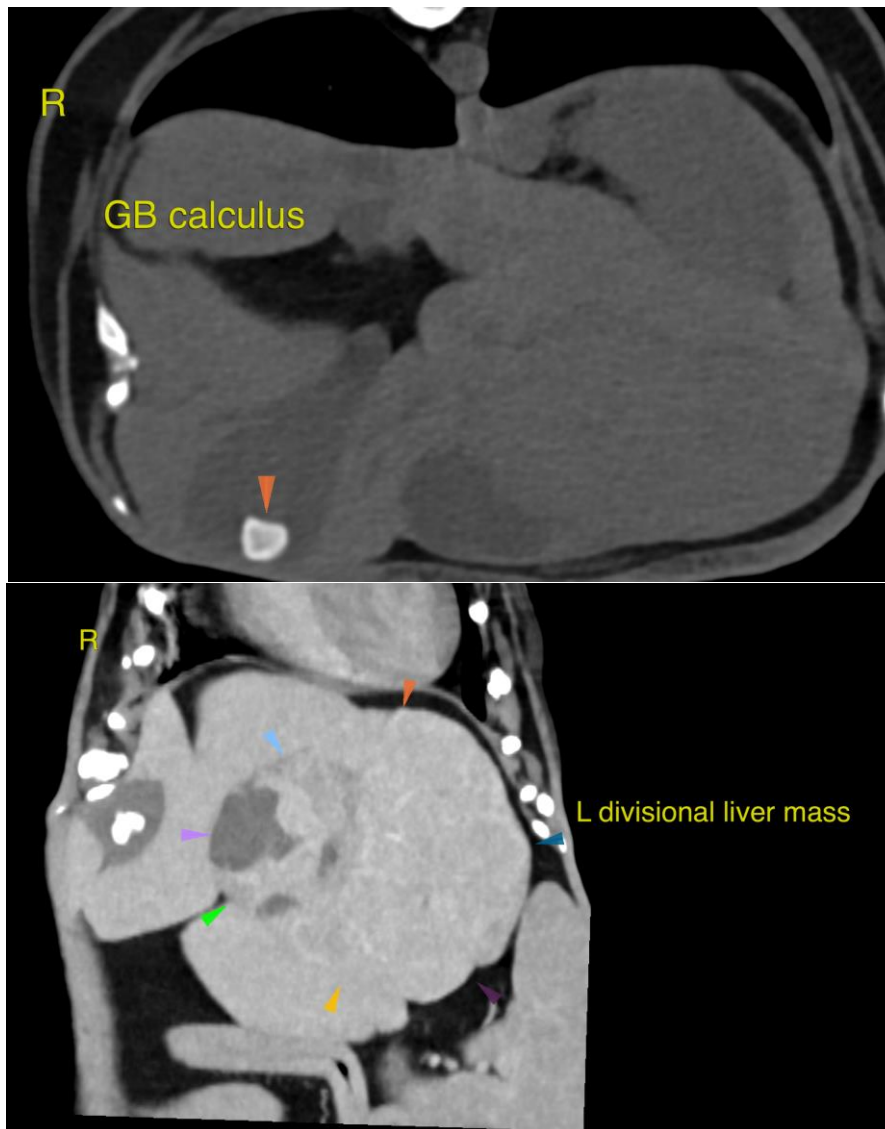
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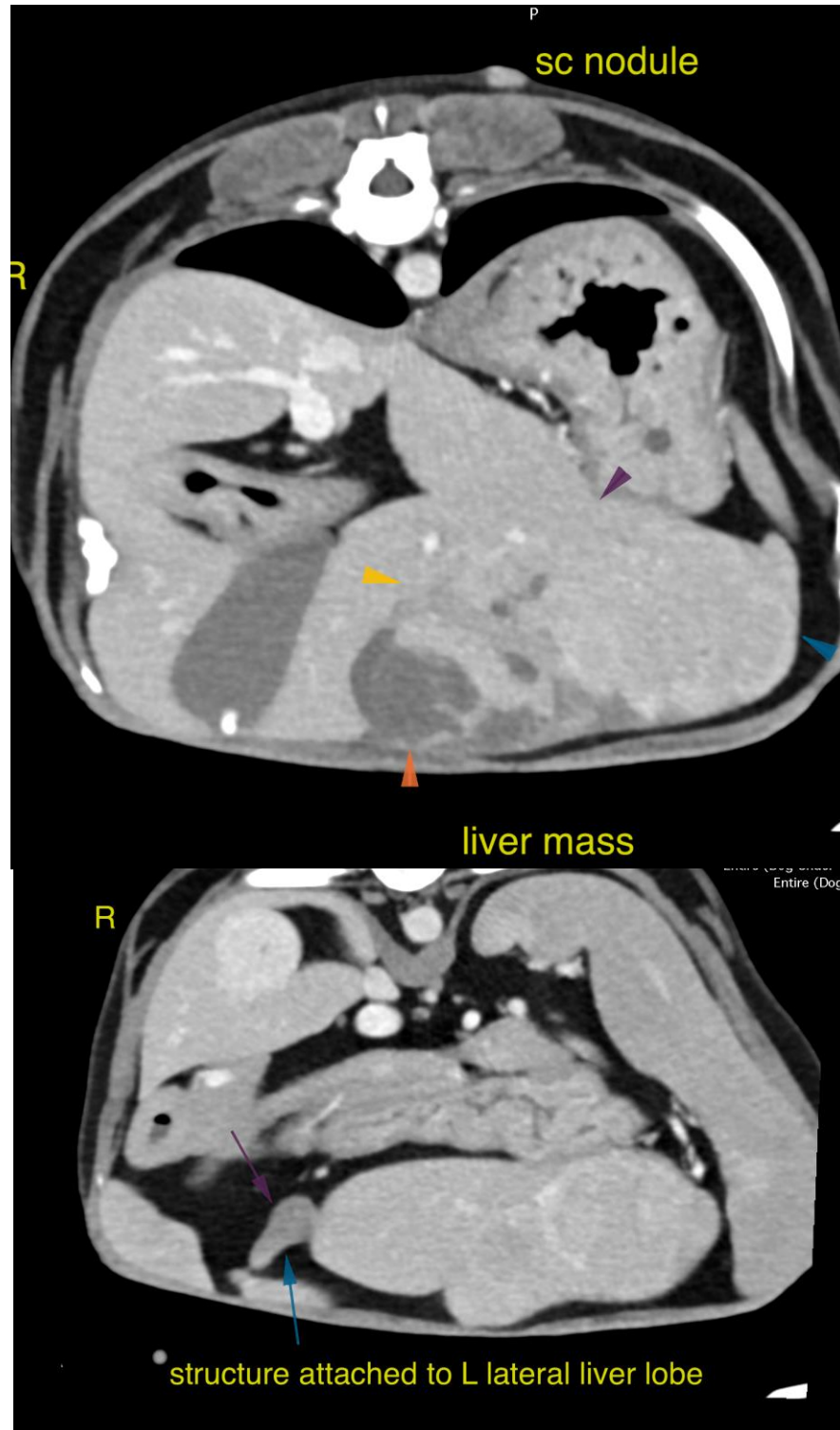
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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

Jack Russell Terrier X

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