



PATIENT PRESENTING CLINICAL SIGNS

Red Crews ed presented today for an exam after being seen at Dr. Wards on Wednesday for an ultrasound of his abdomen. Ultrasound revealed multiple heterogenous masses on the liver. Red was seen her in 2021 and had a Hepatocellular Carcinoma removed. Recent bloodwork showed elevation in his liver enzymes, and elevated calcium. Owners state Red is still eating and drinking well at home and acting normal overall.

SPECIES

Canine

COMPUTED TOMOGRAPHY OF THE THORAX AND ABDOMEN

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

BREED

Hound Mix

COMPUTED TOMOGRAPHIC FINDINGS

Thorax

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

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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.

AGE

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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.

Sebastian Schaub, DVM
Dr. med. vet. DipECVDI

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

Abdomen

HOSPITAL NAME

Critical Vet
Care/Suncoast
Veterinary

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.

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Dr. Young

Nodular enlargement of the caudal pole of the left adrenal gland is noted, measuring 15 x 20 x 20 mm; the contrast enhancement pattern is heterogeneous.

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

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The liver is irregularly enlarged presenting variable sized convex protrusions of the hepatic capsule. The left lateral liver lobe is significantly enlarged, protruding caudally into the peritoneal cavity and has an irregular globoid shape. Post contrast administration, multiple roundish, heterogeneous contrast enhancing masses are seen throughout the hepatic parenchyma. The stomach is deviated dorsally by the mass effect. Adjacent to the hepatic masses, peritoneal soft tissue nodules are appreciated.

DATE

5-8-23

The hepatic lymph nodes are prominent.



PATIENT The vertebral endplates of the lumbosacral junction present moderate spondylosis formation. The lumbosacral intervertebral disc is protruding into the vertebral canal, occupying approximately 65% of the cross-sectional area of the vertebral canal at the same level.

Red Crews

COMPUTED TOMOGRAPHIC DIAGNOSIS

SPECIES Canine

- History of excised hepatocellular carcinoma
- Multiple heterogeneous contrast enhancing hepatic masses throughout all liver lobes
- Peritoneal nodules
- Lymphadenopathy hepatic lymph nodes

BREED Hound Mix

- Nodular enlargement left adrenal gland
- Degenerative lumbosacral stenosis
- Spondylosis deformans
- Normal thorax, no evidence of pulmonary metastatic disease

SEX INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

MN The hepatic masses in combination with the history of hepatocellular carcinoma is highly suggestive for reoccurrence with mass lesions multifocal throughout the hepatic parenchyma. The peritoneal nodules are concerning for peritoneal metastatic spread. The odds for metastatic spread to the hepatic lymph nodes are considered high as well.

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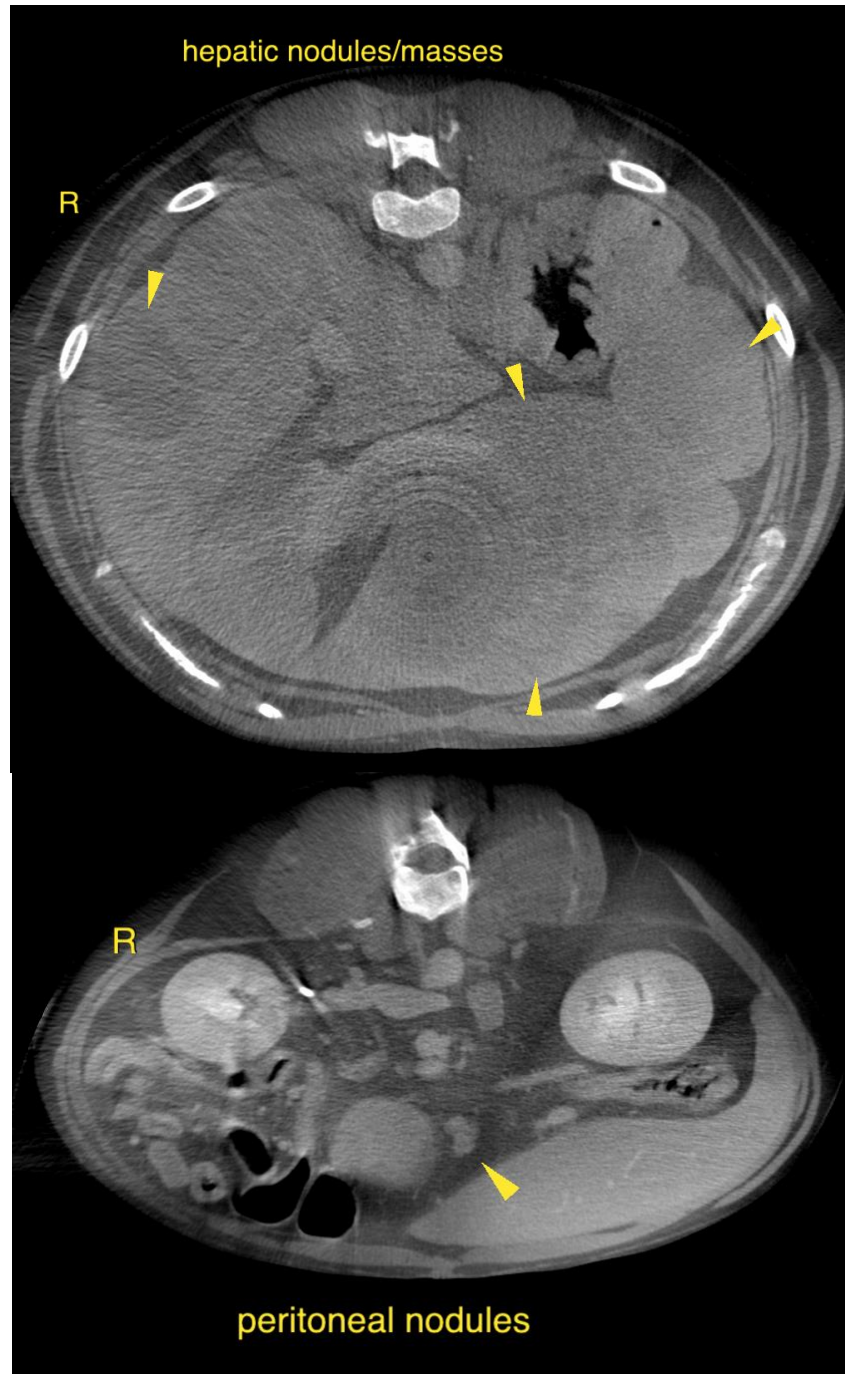
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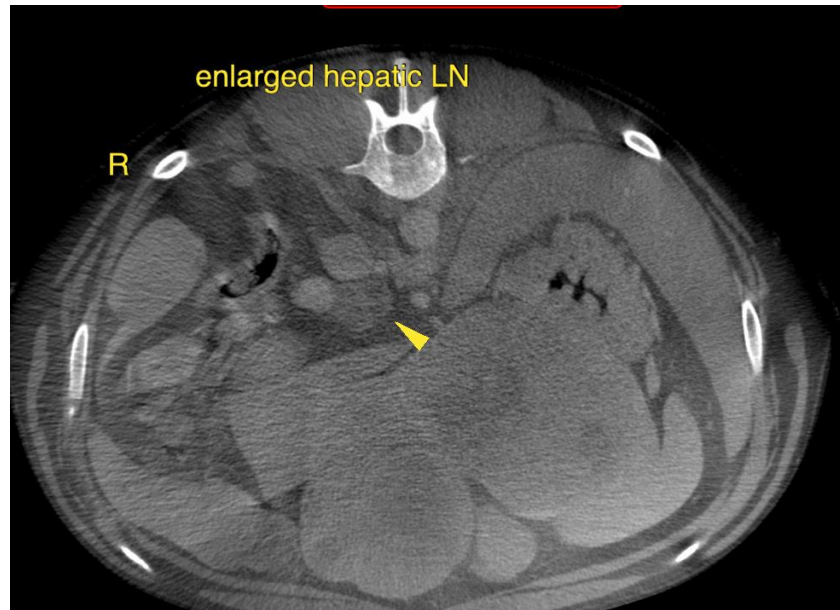
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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