


PATIENT PRESENTING CLINICAL SIGNS

Chance Hernandez Patient presented for evaluation of liver mass. Has a history of anemia. Is currently receiving metronidazole and pimobendan. CT scan performed to assess resectability.

SPECIES COMPUTED TOMOGRAPHIC STUDY OF THE THORAX & ABDOMEN

Canine Plain and post-contrast study of the abdomen and post-contrast study of the thorax available for review.

BREED COMPUTED TOMOGRAPHIC FINDINGS

German Shepherd
Mix

Abdomen

The liver is severely enlarged. Nearly all of the liver is occupied by a large multicavitated heterogeneously enhancing mass measuring approximately 17 cm in diameter and 16 cm in length. The mass appears to emerge from the right, except for the caudate lobe, and central division of the liver. Leftward deviation of the distended gallbladder is seen. The left lateral liver lobe shows differential imaging characteristics from the remainder of the liver with multifocal branching mineralizations of the parenchyma and no overt mass character.

SEX

MN

AGE

13 Years

Portal vein and common bile duct deviation are noted.

The portal lymph nodes are moderately enlarged.

Occasional hyperenhancing nodules are seen within the spleen.

INTERPRETED BY

Nele Eley (Ondreka),
DVM Dr. med. vet.,
DipECVDI

Urinary bladder microlithiasis is seen.

Thorax

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.

HOSPITAL NAME

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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.

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

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COMPUTED TOMOGRAPHIC DIAGNOSIS

- Large cavitated liver mass occupying the right, except for the caudate lobe, all of the central division, and part of the left division of the liver, presumably benign biliary tree mineralizations of the "spared" left lateral liver lobe, mass effect onto the portal hilus



PATIENT including the portal vein and common bile duct.

Chance Hernandez

- Portal lymphadenomegaly
- Splenic nodules
- No evidence of pulmonary metastases.

SPECIES INTERPRETATION OF FINDINGS & FURTHER RECOMMENDATIONS

Canine

A very large cavitated mass is occupying the right and central divisions of the liver. The caudate lobe is not involved. Part of the left division of the liver is involved into the mass as well. Differential diagnosis includes hepatocellular carcinoma and secondary neoplasia of the liver such as sarcoma and hepatoma. The resectability of the mass appears to be impaired by the extensive involvement of the hepatic parenchyma and anatomic interference with the structures in the portal hilus.

BREED

German Shepherd Mix

The portal lymphadenomegaly may represent reactive hyperplasia or metastatic disease.

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The splenic nodules are likely to represent lymphoid hyperplasia or extramedullary hematopoiesis. Metastatic disease cannot be ruled out entirely.

No evidence of pulmonary metastases was found.

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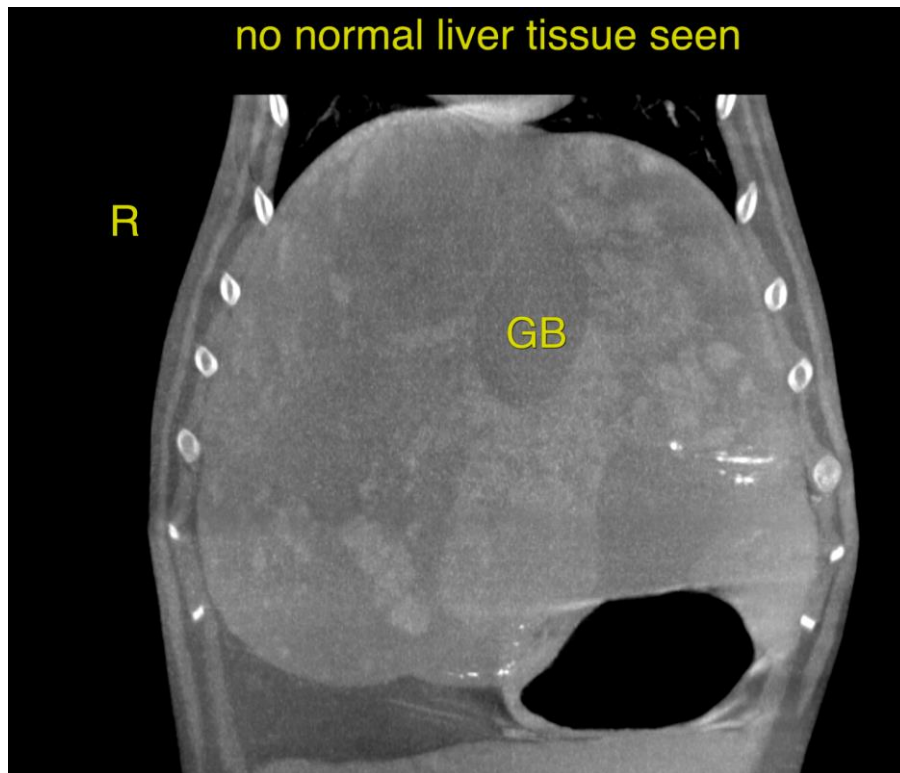
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PATIENT

Chance Hernandez **The information and recommendations provided are based on the images presented by the referring veterinarian. 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

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