



PATIENT PRESENTING CLINICAL SIGNS

Rudi Zukov Increased liver values last month. Recent abdominal ultrasound showed liver mass/nodules.

COMPUTED TOMOGRAPHIC STUDY OF THE ABDOMEN & THORAX

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

COMPUTED TOMOGRAPHIC FINDINGS

BREED Abdomen

Yorkshire Terrier An ill-defined large cavitating central and right divisional liver mass is seen. The mass measures approximately 4.7 cm in length and 4.2 cm in diameter. Multiple fluid attenuating cavitations and heterogeneous post-contrast enhancement are noted. There is a mass effect onto the regional portal vasculature and caudal vena cava as well as onto the gallbladder and cystic duct. No direct common bile duct involvement is seen. The gastric outlet and duodenal papilla are patent. The remainder of the liver presents moderate generalized enlargement with diffuse heterogeneous contrast enhancement and multiple nodules of varying attenuation and enhancement.

SEX

Female Spayed

AGE

14 Years

Multiple small hyperenhancing splenic nodules are seen.

The kidneys present a heterogeneous nephrogram with multiple small cortical cysts.

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

INTERPRETED BY

Nele Eley (Ondreka),
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Thorax

Diffuse increase in interstitial attenuation is noted with even distribution throughout the lung.

No evidence of cardiovascular pathology is seen.

HOSPITAL NAME

Mobile Pet Imaging

There is moderate collapse of the intrathoracic trachea.

COMPUTED TOMOGRAPHIC DIAGNOSIS

REFERRING VET

Meaux

- Large central and right divisional liver mass meeting neoplastic criteria.
- Hepatomegaly and multiple nodules throughout the remainder of the liver.
- Splenic nodules.
- Presumably degenerative changes of both kidneys - differential diagnosis chronic nephritis.
- Diffuse interstitial lung pattern.
- Tracheal collapse.

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INTERPRETATION OF FINDINGS & FURTHER RECOMMENDATIONS

The CT study reveals a cavitating central and right divisional liver mass meeting neoplastic criteria. Right medial or quadrate lobe origin of the mass is considered most likely. The mass may interfere with critical structures within the portal hilus however no direct involvement of the cystic duct, common bile duct, or major duodenal papilla is seen. Differential diagnosis includes hepatocellular

DATE

3-22-22



PATIENT carcinoma, secondary neoplasia of the liver such as sarcoma, hepatoma, and unlikely, atypical presentation of nodular hyperplasia. The nodules throughout the remainder of the liver may represent nodular hyperplasia, cyst, regenerative nodules, and/or metastatic disease. Final diagnosis would require histology.
Rudi Zukov

SPECIES The splenic nodules are likely to represent benign nodular hyperplasia. Metastatic disease cannot be ruled out entirely but is thought unlikely.

Canine

BREED

The diffuse increase in interstitial pulmonary attenuation may be uncomplicated and age related. However, interstitial pneumonia, edema, and fibrosis cannot be ruled out entirely. A diffuse neoplastic infiltrate with round cells is thought unlikely here. Further definition of the pulmonary changes would be indicated in case of pertinent clinical signs.

Yorkshire Terrier

SEX

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DipECVDI

HOSPITAL NAME

Mobile Pet Imaging



REFERRING VET 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.
Meaux

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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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