


PATIENT PRESENTING CLINICAL SIGNS

Penny Mullen 11/19/20 Doctor Notes History for CT: Presents for assessment of masses along R mammary chain - had some benign tumors removed in the past. O also notes mass in the belly upper right quadrant, belly seems bloated Abdominal mass appreciated on palpation AFast of abdomen revealed large cavitated mass on liver, spleen also had a mottled appearance. CT for diagnosis and surgical planning Evaluate chest for signs of mets Mass on liver surgically removed, soon after mammary mass removed Can palpate a firm mass on the right side of sternum just behind the last rib

SPECIES

Canine

COMPUTED TOMOGRAPHIC STUDY OF THE HEAD, NECK, THORAX & ABDOMEN
BREED

Plain and post-contrast studies available for review.

Terrier X

COMPUTED TOMOGRAPHIC FINDINGS
SEX

Abdomen
 Stapler clamps are seen in the right division of the liver.

Spayed Female

AGE

10 Years

A large, approximately 10 cm sized irregular shaped and ill-defined, cavitating mass with strong heterogeneous contrast enhancement is seen in the right and central divisions of the liver. Part of the mass encompasses the stapler clamps. The remainder of the liver reveals multiple small hypoenhancing nodules.

Multiple mesenteric nodules with cavitation and heterogeneous enhancement of up to 2.0 cm diameter are seen in the cranial and caudal abdomen. There is mild peripheral fat stranding. Multifocal mesenteric lymphadenomegaly is noted.

INTERPRETED BY

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

The spleen is absent. The patient has a history of splenectomy.

The left adrenal gland is nodular in appearance. The right adrenal gland presents within normal limits.

Cystic structures of up to 5.0 mm diameter are seen in the cortex of the right kidney. The left kidney presents within normal limits.

HOSPITAL NAME

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Thorax

Multiple interstitial pulmonary nodules of varying size and enhancement of up to 2.0 cm diameter are seen throughout the entire lung.

REFERRING VET

Dr. D'Monte

The sternal and cranial mediastinal lymph nodes are moderately enlarged up to 15 mm diameter and rounded.

Neck

The osseous and soft tissue structures of the neck present within normal limits. No evidence of cervical lymphadenomegaly seen. The thyroid gland presents within normal limits.

INVOICE

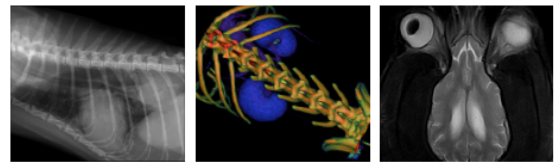
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Head

The brain presents no deviation from normal anatomy and symmetry. The grey and white matter distinction and the neuroparenchymal attenuation are as expected. The distribution of contrast enhancement is within normal limits throughout the parenchyma and meninges. The ventricular system is non-dilated and within the limits of the expected volume and symmetry.

DATE

1/20/22



PATIENT Moderate bilateral turbinate destruction, mucosal swelling and fluid accumulation is seen accentuating the mid and cranial third of both nasal cavities.

Penny Mullen

Both temporomandibular joints present congruent joint spaces with even subchondral bone surfaces and are considered within normal limits.

SPECIES

Canine

Both tympanic bullae are aerated, the mucosal lining is not seen, the bony wall is smooth and thin. The external auditory meatuses present within normal limits.

BREED

Terrier X

The submandibular and medial retropharyngeal lymph nodes are small and elongated with a normal short-to-long-axis-ratio is < 0.5, the attenuation and contrast enhancement pattern is uniform.

The salivary glands present within normal limits.

The visible dentition within normal limits.

SEX

Spayed Female

COMPUTED TOMOGRAPHIC DIAGNOSIS

- Recurring hepatic neoplasia with multifocal metastatic disease involving the peritoneum, abdominal and thoracic lymph nodes, as well as the lung.
- Nodular appearance of the left adrenal gland
- Right cortical renal cyst
- Moderate bilateral destructive rhinitis

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INTERPRETATION OF FINDINGS & FURTHER RECOMMENDATIONS

INTERPRETED BY

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

Unfortunately, the CT findings are diagnostic for multicentric metastatic disease after surgical excisions of mammary and liver tumors. A new large mass is present in the central division of the liver, which is compatible with recurring hepatic neoplasia. Multiple mesenteric masses, multiple abdominal lymphadenomegaly, multiple thoracic lymphadenomegaly, and multiple interstitial pulmonary nodules are seen, all of which are compatible with metastases. The nodular appearance of the left adrenal gland may be a further manifestation of metastatic disease. However, primary adrenal nodule such as adenoma, adenocarcinoma, or pheochromocytoma is possible.

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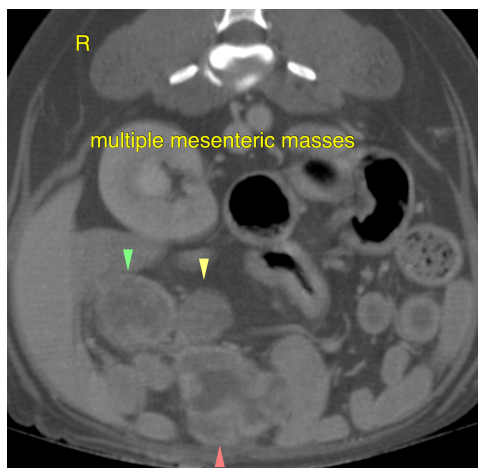
Dr. D'Monte

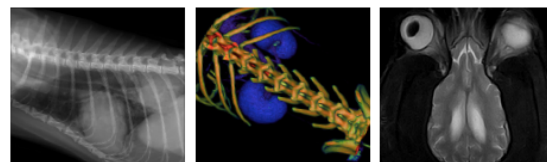
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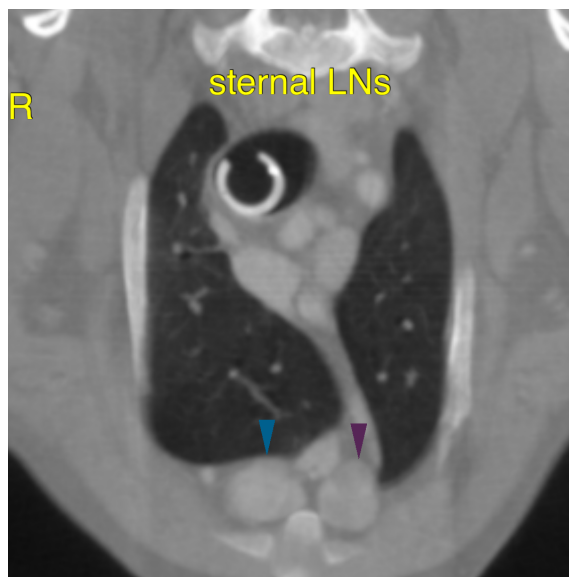
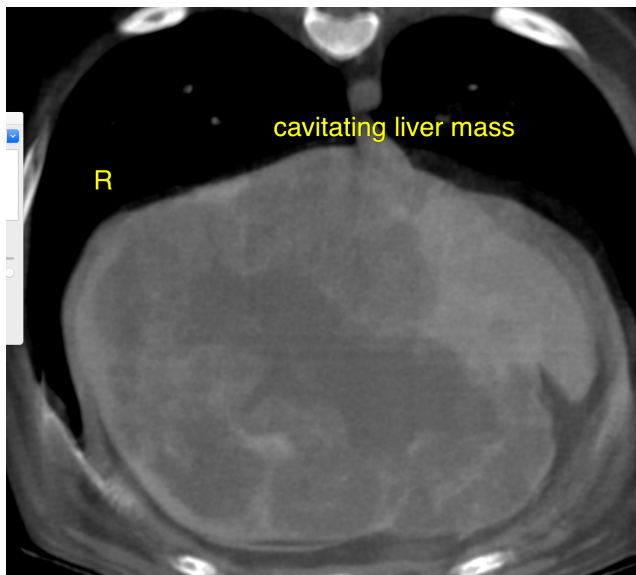
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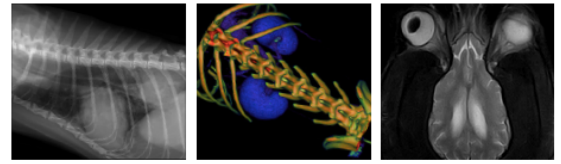
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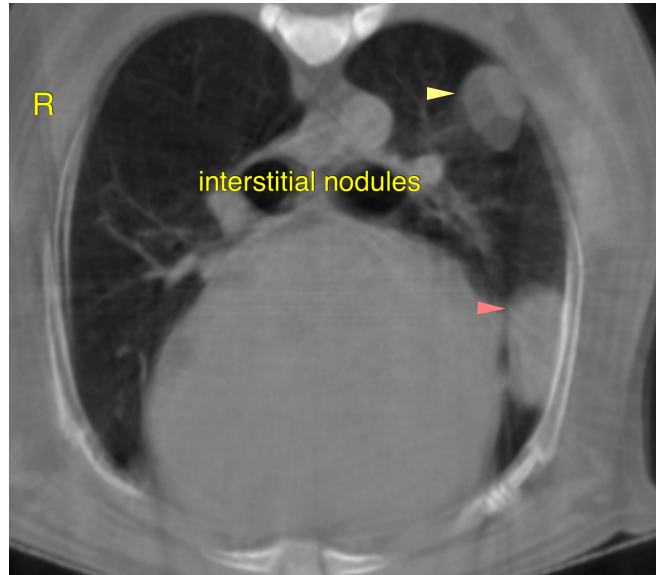
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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