



PATIENT

Jet Olguin

PRESENTING CLINICAL SIGNS

coughing since december 22 - right side head tilt - submandibular swelling report - neutrophils on aspirate - productive with blood non responsive to antibiotics (broad spectrum) enjoys running in long grass behind house

SPECIES

Canine

Abnormal PE/Chem/CBC/UA Results: wbc/neutrophil count elevated aspirate u.s granuloma Left cd lung lobe - rbc/neutrophils (degen) with interspersed lung tissue

COMPUTED TOMOGRAPHY OF THE SKULL & THORAX

BREED

A pre- and post-contrast CT study of the skull and thorax in a bone, lung and soft tissue reconstruction is provided for review.

Staffordshire BT

COMPUTED TOMOGRAPHIC FINDINGS

Skull

SEX

The pictured parts of the dentition are complete and unremarkable in all jaw quadrants.

ME

The nasal cavity presents the expected aerated spaces between thin & even conchae and turbinates with smooth mucosal lining.

AGE

5

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

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

INTERPRETED BY

Sebastian Schaub, DVM
Dr. med. vet. DipECVDI

The brain presents no deviation from normal anatomy and symmetry. The brain parenchyma is homogeneous and within normal limits for attenuation and distribution of contrast enhancement. The lateral ventricles are mildly asymmetric.

HOSPITAL NAME

Advanced Veterinary
Imaging

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.

Thorax

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

REFERRING VET

Eamon

In the caudodorsal aspect of the left caudal lung lobe, a roundish, soft tissue attenuating and heterogeneous contrast enhancing mass is seen measuring approximately 7 cm in size. Major parts of the cranial aspects of the left caudal lung lobe are consolidated/present patchy consolidation of the parenchyma with an increased volume, compression of the bronchi and a heterogeneous contrast enhancement pattern. The left cranial lung lobe presents significant peribronchial consolidation of the lung parenchyma with a heterogeneous contrast enhancement pattern; the cranial part of the left cranial lung lobe presents a significant thickening of the bronchial wall of the main bronchus.

INVOICE

56110

Multifocal throughout the parenchyma of the right lung lobes, soft tissue attenuating, small (<3 mm) nodular lesions are seen.

DATE

1-11-23

The left and middle tracheobronchial lymph node are moderately enlarged, rounded and present a heterogeneous contrast enhancement pattern.

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



PATIENT abnormal dilation.

Jet Olguin

COMPUTED TOMOGRAPHIC DIAGNOSIS

- Pulmonary masses and peribronchial consolidation left lung lobes
- Lymphadenopathy tracheobronchial lymph nodes
- Structured nodular interstitial lung pattern right lung lobes
- Structural normal skull

SPECIES

Canine

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

BREED

Staffordshire BT

The pulmonary masses and parenchymal consolidation of the left lung lobes with an increased volume and mass effect on the bronchi is highly concerning for primary pulmonary neoplasm – such as carcinoma or round cell tumor. Theoretically eosinophilic granulomatosis is a potential, but I would expect less pronounced mass effect on the bronchi but filling of the bronchi by exudate and honeycomb like contrast enhancement pattern.

SEX

ME

The lymphadenopathy of the tracheobronchial lymph nodes is indicating metastatic spread. The small nodules seen throughout the right lung lobes are highly concerning for metastatic disease throughout the right lung lobes.

AGE

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FNA sampling ± biopsy of the consolidated areas of the lung is recommended for further workup and conformation of the diagnosis.

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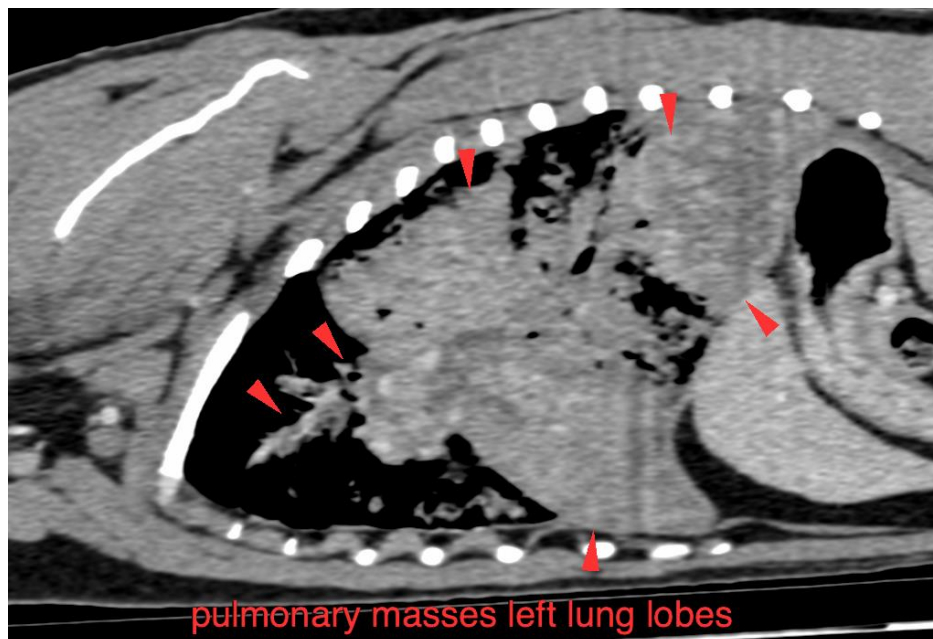
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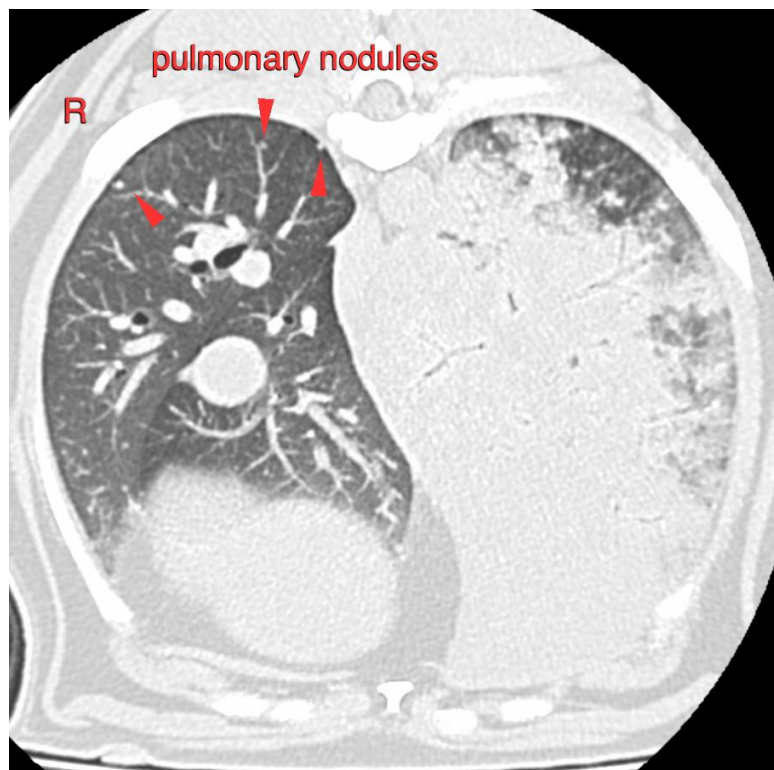
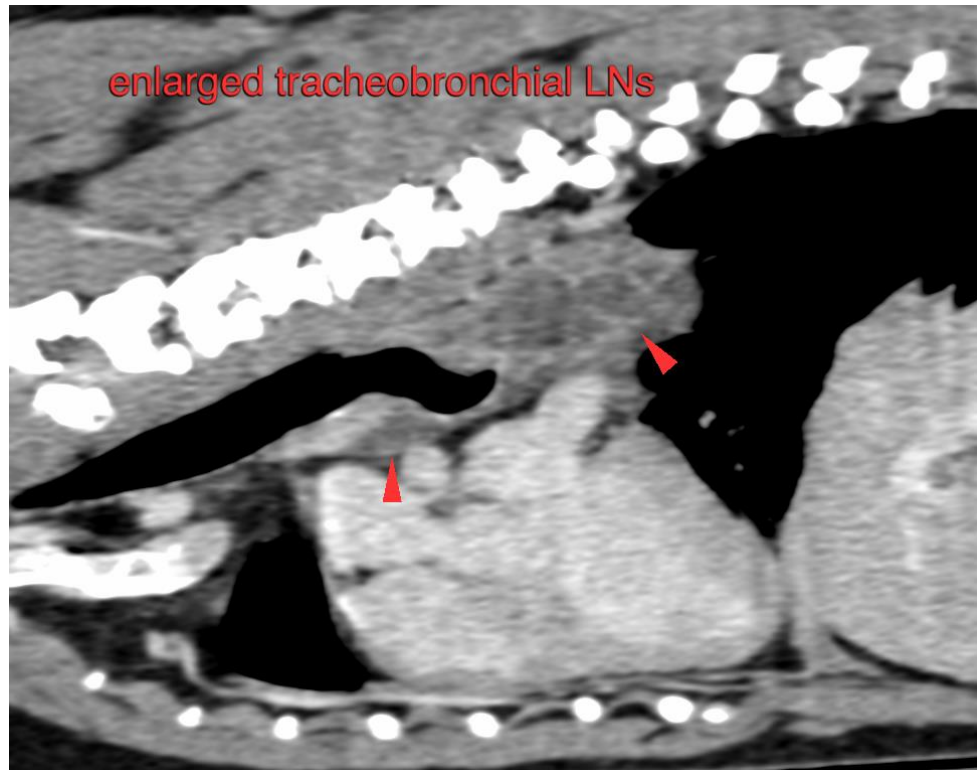
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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