


PATIENT PRESENTING CLINICAL SIGNS

PATIENT Maci Vaughn
SPECIES Canine
AGE 5 Years

Pet presented for having trouble breathing. Pet was recently seen at Banfield (Penn/Memorial location) and they suspected pneumonia. The pet is on medication scripted from Banfield. O reports no improvement and appetite is decreasing. O reports that on Thursday she was playing outside normally and o did not have any concerns, then on Saturday she found pet unresponsive, unable to use back legs, and having labored breathing. She then took her to Banfield and they did rads and bloodwork (WBC was elevated). They scripted clavamox 250mg BID and doxy 1/2 tab BID. Sunday there was no improvement. Neurologic

BREED COMPUTED TOMOGRAPHIC STUDY OF THE HEAD & THORAX

BREED Rat Terrier
 Plain and post-contrast studies of the head and thorax available for review.

COMPUTED TOMOGRAPHIC FINDINGS
SEX Head

SEX Spayed Female
AGE 5 Years

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.

Thin and smoothly folded conchae and turbinates with even smooth mucosal lining.

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

INTERPRETED BY

Nele Eley (Ondreka),
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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.

The salivary glands present within normal limits.

The visible dentition within normal limits.

HOSPITAL NAME

Neel Vet Hospital

Both tonsils are enlarged and everted.

The medial retropharyngeal and submandibular lymph nodes present moderate bilaterally symmetric enlargement. The lymph nodes are rounded and present mildly heterogeneous contrast enhancement.

REFERRING VET

Dr. Ellen Domnick

Marked peripheral fat stranding and minimal peripheral fluid accumulation are seen.

The cervical and axillary lymph nodes as well as the sternal and cranial mediastinal lymph nodes are moderately enlarged as well.

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The tracheobronchial lymph nodes present mild enlargement.

DATE

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Thorax

A mild diffuse increase in interstitial opacity is seen with even distribution throughout the lung. There is mild generalized bronchial wall enhancement. Multiple peripherally accentuated wedge shaped to nodular interstitial infiltrates are seen throughout all lung lobes.



PATIENT There is mild redundancy of the dorsal tracheal ligament of the cervical trachea.

Maci Vaughn **COMPUTED TOMOGRAPHIC DIAGNOSIS**

SPECIES

- Multifocal lymphadenomegaly in the head, neck and thorax
- Diffuse and multifocal interstitial pulmonary infiltrate with multinodular appearance
- Structurally normal CT study of the brain

Canine

INTERPRETATION OF FINDINGS & FURTHER RECOMMENDATIONS

BREED

Rat Terrier

Differential diagnosis includes multicentric lymphomatous or other round cell neoplasia infiltrate with involvement of the lymph nodes and lung versus granulomatous disease secondary to fungal or other opportunistic infection. Consider further definition by means of sampling of the lymph nodes. Further verification of the pulmonary changes by means of fine needle aspiration of the pulmonary parenchyma (especially the peripherally accentuated interstitial nodules) or by means of endoscopy with bronchoalveolar lavage could be considered as well.

SEX

Spayed Female

AGE

5 Years

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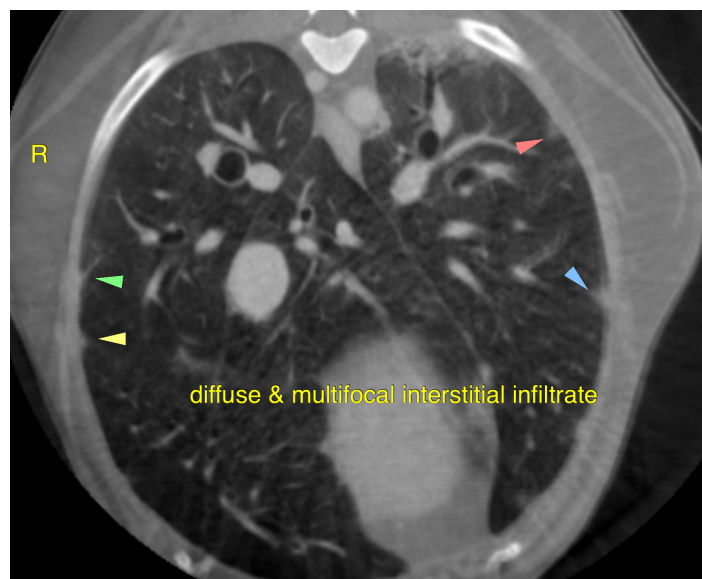
Dr. Ellen Domnick

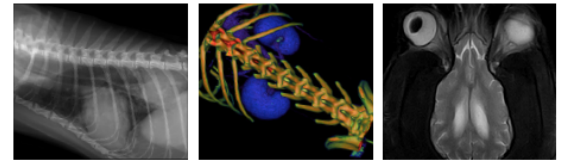
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PATIENT

Maci Vaughn

SPECIES

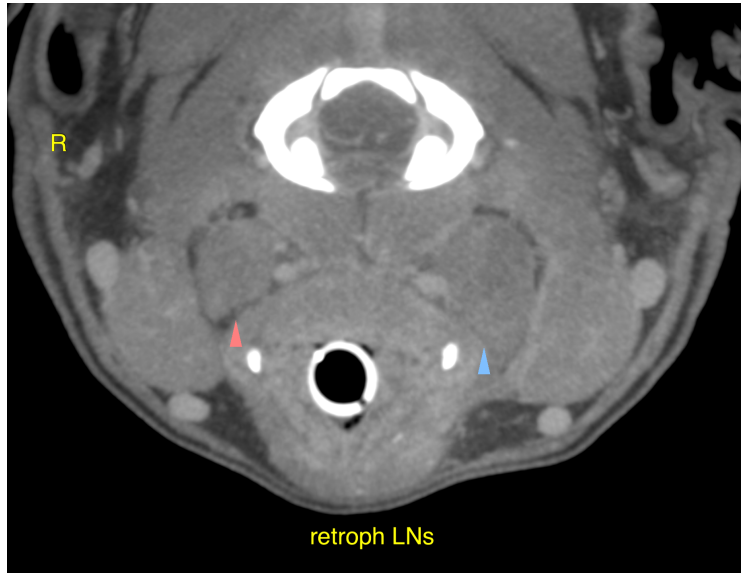
Canine

BREED

Rat Terrier

SEX

Spayed Female



AGE

5 Years

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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