



PATIENT

Princess Viveros

PRESENTING CLINICAL SIGNS

Presented last week for swelling around neck and increased respiratory noise. Tx'd w/ steroids, antibiotics. Owner reports pet not wanting to eat much and vomiting after antibiotic administration.

SPECIES

Canine

Abnormal PE/Chem/CBC/UA Results: Upper airway congestion (nasal) Bilateral mucopurulent discharge noted right after induction.

BREED

Shih Tzu

COMPUTED TOMOGRAPHIC STUDY OF THE HEAD, NECK, & THORAX

Plain and post contrast studies available for review.

COMPUTED TOMOGRAPHIC FINDINGS

SEX

Female Spayed

Head

The patient is a brachycephalic head type with shortened facial bones and dome shaped calvarium.

AGE

7 Years

Narrow position of the teeth is seen with moderate horizontal atrophy of the alveolar crest; however, no significant dental changes, that would be relevant for the nasal pathology, are noted.

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.

INTERPRETED BY

Nele Eley, DVM
Dr. med. Vet. DipECVDI

Moderate bilateral fluid accumulation and mucosal swelling is seen within the nasal cavities. The frontal sinuses are absent which is typical in brachycephalic dogs. Moderate leftward deviation of the rostral nasal septum is seen. There is a large amount of fluid accumulating within the nasopharynx. Nasopharyngeal soft tissue swelling is noted as well as thick appearance of the soft palate and mild generalized swelling of the laryngeal soft tissues.

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

REFERRING VET

Meaux

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.

Moderate bilaterally symmetric medial retropharyngeal and submandibular lymphadenomegaly is seen.

INVOICE

48809

The salivary glands present within normal limits.

Neck

DATE

12-6-21

Both thyroid lobes are seen and present within normal limits.

The soft tissues of the neck present within normal limits except for presence of subcutaneous emphysema in the right caudal neck and cranial thoracic wall.



PATIENT The prescapular lymph nodes present within normal limits.

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Thorax

SPECIES

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.

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The cardiovascular structures including the pulmonary vasculature are within normal limits.

BREED

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.

Shih Tzu

The lung parenchyma presents the expected architecture and attenuation behavior.

SEX

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

Female Spayed

COMPUTED TOMOGRAPHIC DIAGNOSIS

- Moderate bilateral nondestructive rhinitis.
- Nasopharyngeal soft tissue swelling and fluid accumulation.
- Brachycephalic upper airway stenosis.
- Medial retropharyngeal and submandibular lymphadenomegaly.
- Right sided subcutaneous emphysema in the caudal neck and cranial thorax.

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The CT study reveals bilateral nondestructive rhinitis. Consider irritant/allergic rhinitis a potential versus infectious rhinitis. Viral, bacterial, and parasitic is considered unlikely and uncommon but cannot be ruled out entirely.

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The lymph node changes may reflect reactive hyperplasia owing to the upper respiratory tract disease. A neoplastic infiltrate is thought unlikely. Fine needle aspiration is recommended for further definition.

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Meaux

Extensive nasopharyngeal fluid accumulation as well as soft tissue swelling and may be secondary to the rhinitis as well as the brachycephalic upper airway stenosis.

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The source of the subcutaneous emphysema remains unclear. Iatrogenic due to prior injection is a potential as well as soft tissue injury.

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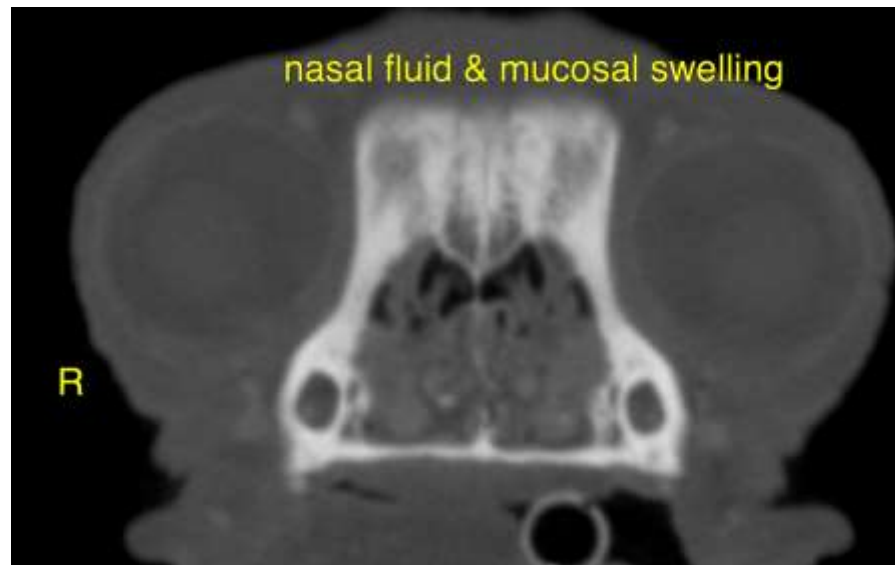
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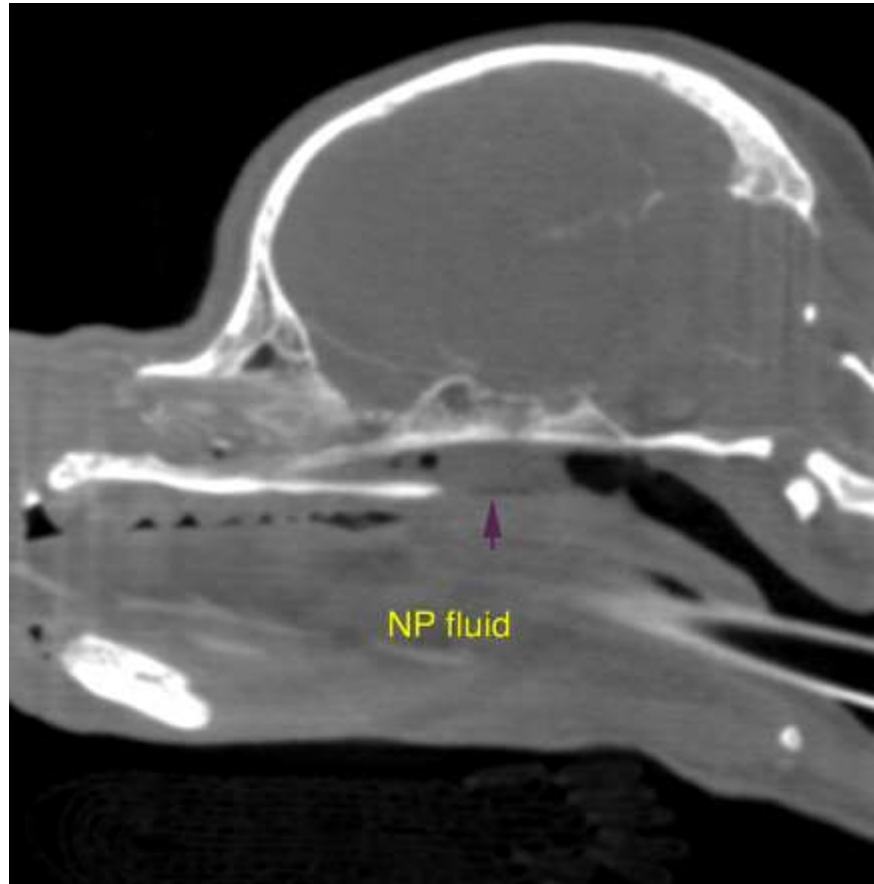
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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