



**PATIENT**

Nana Concha

**PRESENTING CLINICAL SIGNS**

Epistaxis left nostril  
Abnormal PE/Chem/CBC/UA Results: see attached xray report

**SPECIES**

Canine

**COMPUTED TOMOGRAPHIC STUDY OF THE HEAD & THORAX**

Plain and post contrast studies of the head and post contrast study only of the thorax available for review.

**BREED**

American Bulldog

**COMPUTED TOMOGRAPHIC FINDINGS**

**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.

**SEX**

Female Spayed

An ill-defined soft tissue attenuating mass with stippled central mineralization is seen within the mid third of the left nasal cavity in the position of the ventral and middle nasal conchae. Complete regional turbinate destruction is noted. There is mild nonuniform contrast enhancement on the post-contrast study. The adjacent palatinal, vomer, and maxillary bones as well as the bony nasal septum are thin. The mass extends into the left nasal fundus. A mild amount of fluid attenuating material is seen within the left nasal cavity.

**AGE**

5 Years

**INTERPRETED BY**

Nele Eley, DVM  
Dr. med. Vet. DipECVDI

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 auditory meatuses present within normal limits.

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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.

**REFERRING VET**

Meaux

The salivary glands present within normal limits.

The visible dentition is within normal limits.

**INVOICE**

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**Thorax**

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

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.

A single 7mm sized soft tissue attenuating interstitial nodule is seen within the caudal and ventral



**PATIENT** aspect of the caudal subsegment of the left cranial lung lobe.

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

**SPECIES** **COMPUTED TOMOGRAPHIC DIAGNOSIS**

- Canine • Mineralizing soft tissue mass with aggressive behavior within the mid third of the left nasal cavity.
- Single interstitial pulmonary nodule within the caudal subsegment of the left cranial lung lobe.

**BREED** **INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

American Bulldog The primary differential diagnosis is nasal neoplasia such as adenocarcinoma, other carcinoma, and less likely lymphosarcoma, or other. Owing to the patient’s age and CT presentation, granulomatous disease appears to be a minor potential. Consider further definition by means of rhinoscopy with sampling if not performed already.

**SEX** The primary differential diagnosis for the interstitial pulmonary nodule is metastatic disease, especially in light of the nasal changes. However, granulomatous lung disease and fibrotic nodule cannot be ruled out entirely. Consider further definition by means of ultrasound guided sampling using a left parasternal intercostal approach in the ventral third of the 5<sup>th</sup> intercostal space.

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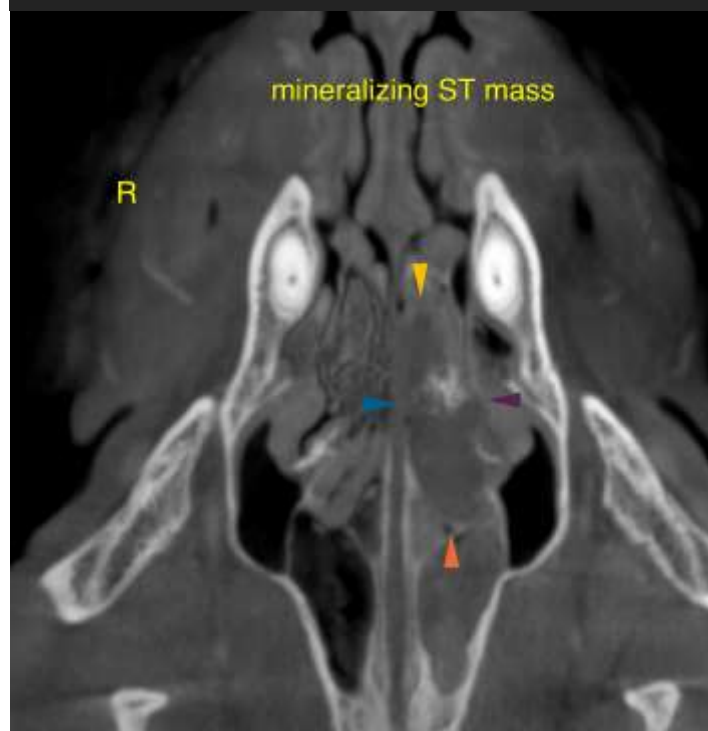
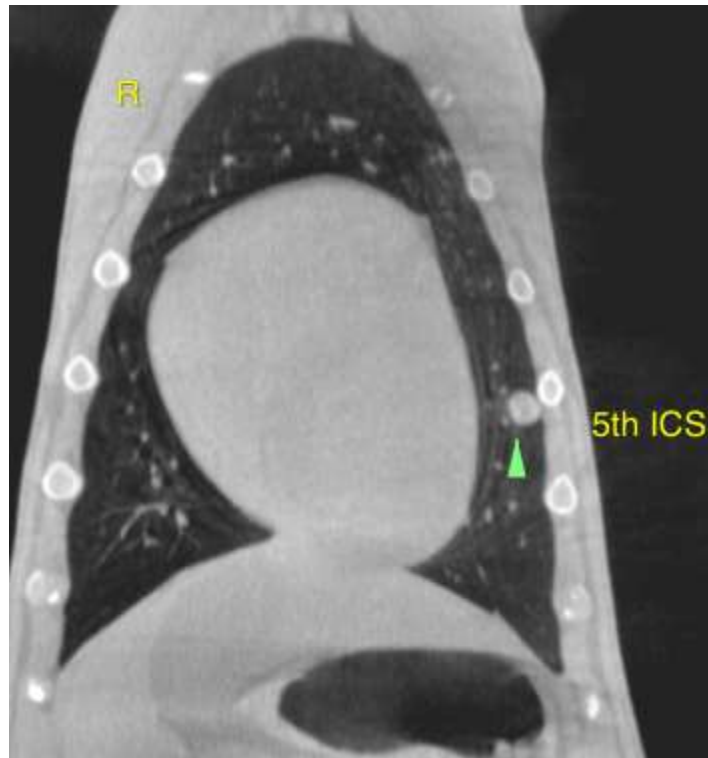
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

**SPECIES**

Canine

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.

**BREED**

American Bulldog

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