



PATIENT PRESENTING CLINICAL SIGNS

Awesome Friedman P has been sneezing blood, started a week ago, has a mass on his snout.
Abnormal PE/Chem/CBC/UA Results: WBC 23.4 H, Neut 20.5 H, otherwise WNL

SPECIES COMPUTED TOMOGRAPHIC STUDY OF THE HEAD AND THORAX

Canine A pre- and post-contrast CT study of the head and thorax are provided for review totaling 2 series. One pre-contrast series of the head, soft tissue algorithm. One post-contrast series of the head, soft tissue algorithm. One post-contrast of the thorax soft tissue algorithm.

BREED COMPUTED TOMOGRAPHIC FINDINGS

Terrier Mix

HEAD

SEX There is an extensive soft tissue mass effect with mixed hypoattenuating and attenuating areas, and mildly enhancing aspect within the right nasal cavity that obstructs the airway passage completely. The soft tissue mass effect extends rostrally to the level of the triadan 104 and caudally to the level of the cribriform plate, however, no evidence of cribriform plate interruption. The mass effect produces extensive right nasal turbinate destruction and causes a mass effect toward the left side of the nasal cavity, with mild signs of contralateral invasion. In addition, the mass effect expands externally to the nasal and frontal soft tissue plane and causes severe osteolytic changes in the right nasal and frontal bones.

AGE 12 Years

Male Neutered

INTERPRETED BY

Tilde Rodrigues Froes, DMV, MSc., Dr. Med Vet., Dipl. CBraRVet

The mass infiltrates the choana obstructing around 40% of the airway passage in this region. Other points of multifocal and destructive lysis are seen in many adjacent bones, such as right-side orbital bone, basal lamina of ethmoid, perpendicular plate of the ethmoid bone, nasal bone, and right frontal bone.

The left frontal sinus is unremarkable.

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The bulla cavities and external auditory canals are normal.

No mass effect is seen in the brain, normal attenuation.

The temporomandibular joints are bilaterally congruent.

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The globes and retrobulbar spaces are unremarkable.

The triadans 105 and 206 are absent.

INVOICE

59620

The right medial retropharyngeal lymph node, mandibular lymph nodes and parotid lymph node are mildly enlarged and rounded in shape. The left medial retropharyngeal lymph node and mandibular lymph nodes are unremarkable.

A well-defined, rounded, soft tissue attenuating mass is seen in the subcutaneous tissue, in the right dorsal cervical region, and measures 2.1cm by 2.1cm in diameter.

DATE

8-2-23

THORAX



PATIENT The trachea is normal in luminal diameter and position.

Awesome Friedman The lumen of the main bronchus is normal.

SPECIES Mild peripheral dorsal dependent ground glass pulmonary attenuation is seen; correlated pulmonary atelectasis. The remainder of the lung lobes are normal in attenuation.

Canine The cardiac silhouette and pulmonary vessels are normal. The contrast media adequately fills the cardiac chambers and vessels on post-contrast series.

BREED The tracheobronchial lymph nodes are normal.

Terrier Mix The sternal, mediastinal, and cranial mediastinal lymph nodes are unremarkable.

The pleural space and diaphragm are normal.

SEX Multifocal incomplete and complete bridging spondylosis deformans is seen at T5-T6, T9-T10, and L1-L2.

Male Neutered

A moderately sized subcutaneous, fat opaque, and homogeneous attenuating mass in the left ventral thoracic wall is seen and measures 7.0cm by 1.9cm

AGE

12 Years

COMPUTED TOMOGRAPHIC DIAGNOSIS

- Large heterogeneous soft tissue mass effect in the right nasal cavity, with aggressive biological behavior, spanning externally throughout the nasal and frontal planum, as well as ipsilateral choana invasion. The differential diagnosis includes nasal neoplasm, for example, chondrosarcoma, squamous cell carcinoma, adenocarcinoma, or lymphoma.
- Right side sinusitis, and/or mass infiltration.
- Mild contralateral invasion onto the left nasal cavity.
- Right side medial retropharyngeal, mandibular, and parotid enlarged lymph nodes, metastatic or reactive.
- Absent tracheas 105 and 206.
- Pulmonary atelectasis; otherwise normal thorax. No evidence of pulmonary metastatic disease.
- Subcutaneous soft tissue nodule within the dorsal cervical right side. The differential diagnosis includes soft tissue neoplasm, less likely granuloma.
- Multifocal thoracic and lumbar spondylosis deformans, incidental
- Moderate size left ventral thoracic lipomatous mass, lipoma.

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

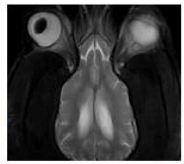
INVOICE The computed tomographic study reveals a nasal soft tissue mass in the right nasal cavity causing complete airway obstruction on the right side, multifocal osteolytic lesions, external expansion, and frontal invasion. A biopsy is needed for a definitive diagnosis. The long-term prognosis is poor.

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No evidence of thoracic metastatic disease.

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PATIENT

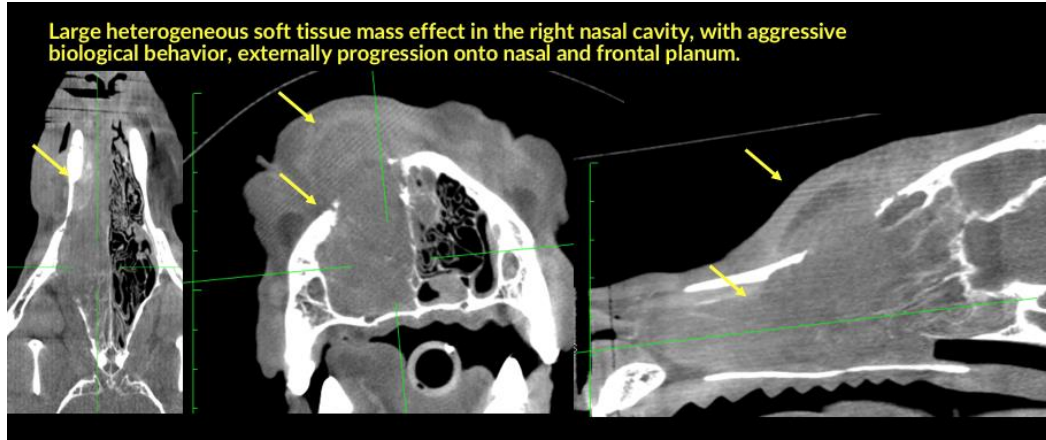
Awesome Friedman

SPECIES

Canine

BREED

Terrier Mix



SEX

Male Neutered

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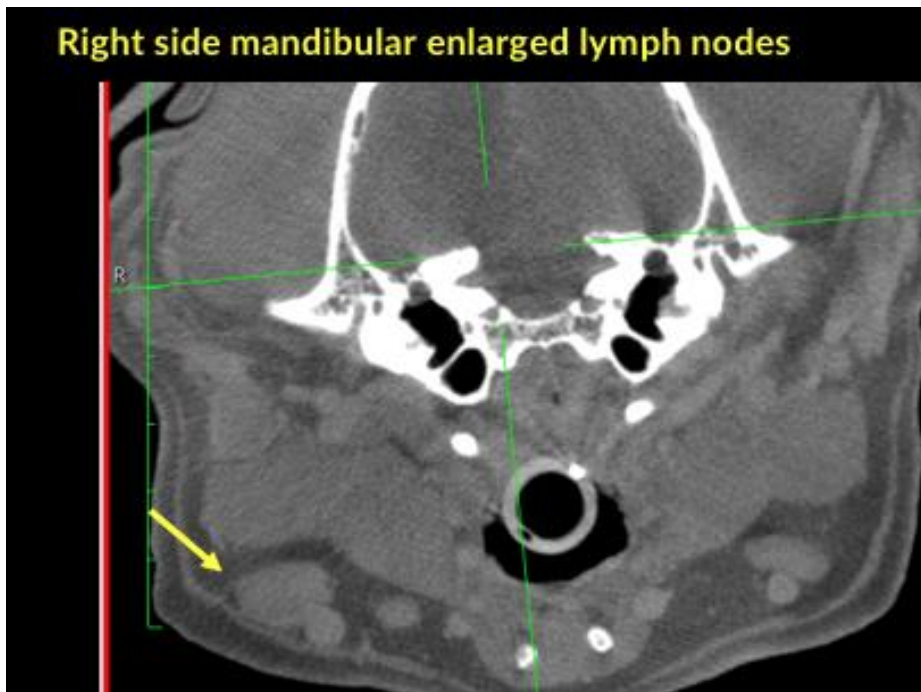
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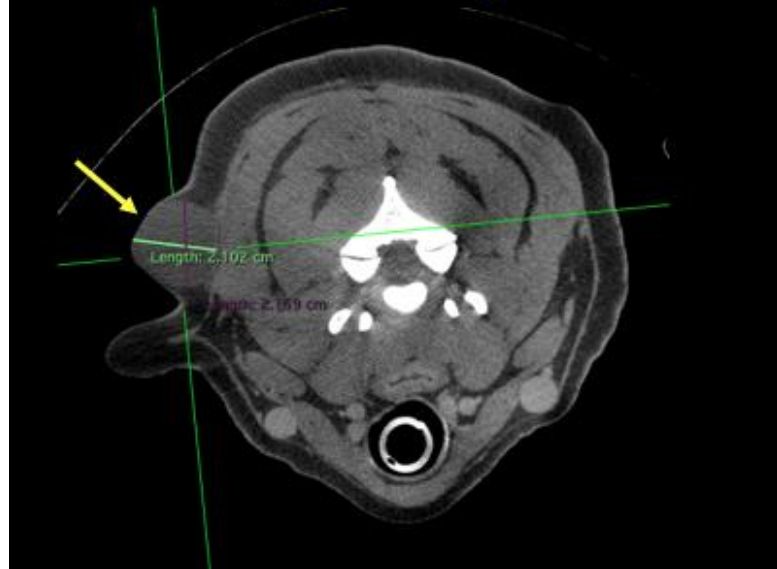
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Soft tissue subcutaneous nodule within the dorsal cervical, right-side region



Normal thorax



**PATIENT**

Awesome Friedman

SPECIES

Canine

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.

BREED

Terrier Mix

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