


**PATIENT PRESENTING CLINICAL SIGNS**

Rudy NSAL 3/21/22 took chest x-rays for cherry eye, oral hematoma and dental and later saw a possible mass in chest

**SPECIES COMPUTED TOMOGRAPHIC STUDY OF THE WHOLE BODY**

Canine Plain and post-contrast studies available for review. This study is right/left flipped.

**COMPUTED TOMOGRAPHIC FINDINGS**
**BREED**
Head & Neck

Chihuahua Hypodontia is noted. Multifocal moderate to severe periodontal disease is seen accentuating the triadans #103, 201, 202, 203, 204, where emerging dental nasal fistulae are seen. At this point, there is no evidence of acute florid rhinitis.

**SEX**

Not all the pinnae are included in this study. However, there appears to be regional thickening of the right pinna.

Neutered male

The tympanic bullae present within normal limits. Both external auditory meatuses are narrow with moderate thickening and enhancement of their epithelial lining.

**AGE**

8 Years

The submandibular and medial retropharyngeal lymph nodes present within normal limits.

Both lobes of the thyroid gland are seen and present within normal limits. The right internal parathyroid gland is borderline prominent with 2.5 mm diameter.

**INTERPRETED BY**

Nele Eley (Ondreka),  
 DVM Dr. med. vet.,  
 DipECVDI

The cervical lymph nodes present within normal limits.

Moderate to severe dilation of the lateral ventricles of the brain is seen. There is a supracollicular fluid accumulation, and mild dilation of the third ventricle of the brain.

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Thorax

Mild tracheal collapse of the caudal cervical and thoracic trachea is noted. There is a 3.5 cm x 4.0 cm sized large, irregular shaped, heterogeneously enhancing soft tissue mass expanding the cranioventral mediastinum. Dorsal deviation of the mediastinal vessels, tracheal, and esophagus is seen.

Streak artifacts and motion interfere with the assessment of the lung. No evidence of pulmonary nodules or masses is noted.

**REFERRING VET**

NSAL

There is mild C6/7 spondylosis deformans. Mild spondylosis deformans is also noted between L1/L2, L4/L5, and moderate degenerative lumbosacral stenosis is seen.

The mild dilation of the esophagus is attributable to the general anesthesia.

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Abdomen

Moderate generalized hepatomegaly is noted. The gallbladder presents within normal limits.

The adrenal glands present within normal limits.

**DATE**

4/6/23

Small cortical renal cysts are seen in both kidneys.


**PATIENT**

Rudy NSAL  
 The pancreas and abdominal lymph nodes present within normal limits.  
 The gastrointestinal tract presents within normal limits.

**SPECIES**

Canine  
**COMPUTED TOMOGRAPHIC DIAGNOSIS**

**BREED**

Chihuahua

**SEX**

Neutered male

- Large cranial mediastinal soft tissue mass meeting neoplastic criteria
- Ventriculomegaly of the brain with supracollicular fluid accumulation
- Chronic bilateral otitis externa
- Multifocal periodontal disease
- Mild tracheal collapse
- Suspect chronic renal disease
- Hepatomegaly
- Spondylosis and degenerative lumbosacral stenosis
- Small lipoma in the right thigh

**INTERPRETATION OF FINDINGS & FURTHER RECOMMENDATIONS**
**AGE**

8 Years

The CT study reveals a large cranioventral mediastinal soft tissue mass meeting neoplastic criteria. Differential diagnosis includes thymoma, thymic lymphoma, cranial mediastinal lymphoma primarily. Ectopic thyroid neoplasia cannot be ruled out entirely. Fine needle aspiration under ultrasonographic guidance is recommended for further definition if not performed already.

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Differential diagnosis for the hepatomegaly includes endocrine, metabolic, or vacuolar hepatopathy primarily. Hepatitis and diffuse neoplastic infiltrate cannot be ruled out entirely. Consider parenchymal fine needle aspiration for further definition.

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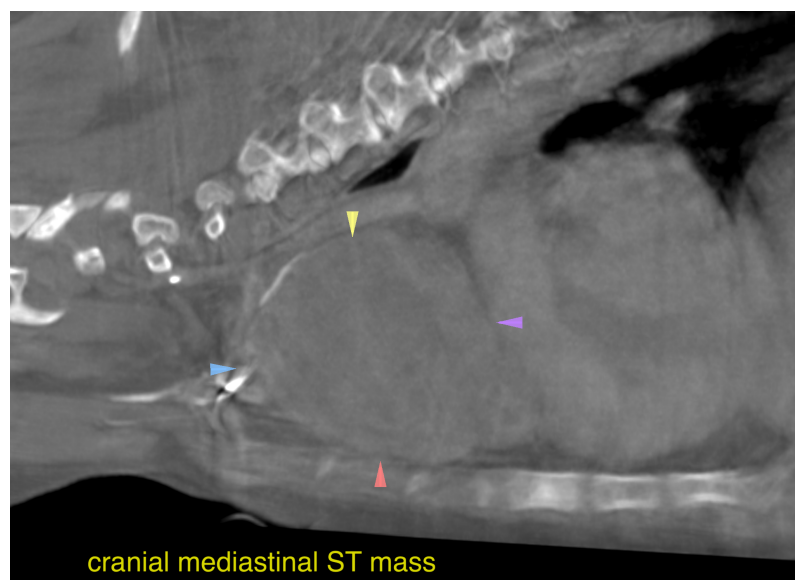
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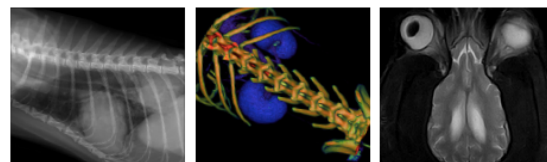
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**DATE**

4/6/23



cranial mediastinal ST mass



**PATIENT** 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.

Rudy NSAL

**SPECIES**

Canine

**BREED**

Chihuahua

**SEX**

Neutered male

**AGE**

8 Years

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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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