



**PATIENT PRESENTING CLINICAL SIGNS**

Chicken Montoya \*DVM pet. Hx of mass ventral to the left eye (suspect retrobulbar mass). INTERPRETATION: Lymphoma (large cell)

**SPECIES COMPUTED TOMOGRAPHY OF THE SKULL, THORAX AND ABDOMEN**

Feline A high resolution pre- and post-contrast CT study of the skull and abdomen and a post-contrast CT study of the thorax are provided for review.

**COMPUTED TOMOGRAPHIC FINDINGS**

**BREED** Skull

DSH Triadan 106 is absent.

**SEX**

Neutered Male

In both nasal cavities, a moderate amount of fluid attenuating material is attached to the nasal mucosal lining. The left frontal sinus is occupied by fluid attenuating material. The perpendicular plate of the left palatine bone presents with moth eaten osteolytic lesions. The medial rectus muscle in the left orbit is prominent in comparison to the contralateral side. The integrity of the cribriform plate cannot be clearly defined.

**AGE**

6 Years

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

The osseous lining of the left tympanic bulla is mildly thickened and smooth. The external ear canals are within normal limits.

**INTERPRETED BY**

Sebastian Schaub, DVM  
Dr. med. vet. DipECVDI

The brain presents no deviation from normal anatomy and symmetry. The brain parenchyma is homogeneous and within normal limits for attenuation and distribution of contrast enhancement. The ventricular system is non-dilated and symmetric.

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.

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Level with C6/C7, dorsal to the left jugular vein, a peripheral contrast enhancing nodule is appreciated, measuring 3.4 mm in diameter.

Thorax

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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 is uniform and considered within normal limits.

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

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.

**DATE**

7-5-22

The lung parenchyma presents the expected architecture and attenuation behavior.

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



**PATIENT** Abdomen

Chicken Montoya The serosal fat presents normal attenuation behavior. There is no evidence of peritoneal effusion or peritonitis.

**SPECIES** Both kidneys present within normal limits for size, shape and organ architecture. After contrast administration a bilaterally symmetric and uniform nephro- and pyelogram is noted.

Feline The adrenal glands are within normal limits for size, shape and organ architecture.

**BREED** Both liver and spleen present with normal shape, even surface, uniformly attenuating parenchyma and homogeneous contrast enhancement, unremarkable.

DSH The pancreas is evenly contoured, the pancreatic parenchyma is homogeneous and presents uniform contrast enhancement.

**SEX** The position, delineation, wall and content of the gastrointestinal tract are considered within normal limits throughout.

Neutered Male The bony and surrounding soft tissue structures reveal no abnormalities.

**COMPUTED TOMOGRAPHIC DIAGNOSIS**

- AGE** 6 Years
- Swelling rectus medius muscle left orbit
  - Monostotic semiaggressive osteolytic lesions perpendicular plate left palatine bone
  - Soft tissue material in nasal cavity bilaterally and the left frontal sinus, without overt contrast enhancement
  - Suspect lymphadenopathy left deep cervical lymph node
- INTERPRETED BY** Sebastian Schaub, DVM  
Dr. med. vet. DipECVDI
- Evidence of preceding left sided otitis media
  - Absent triadan 106
  - Structural normal thorax
  - Structural normal abdomen

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**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

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In the current CT study, no mass is appreciated in the left or right orbit but the mild swelling of the rectus medius muscle. In combination with the osteolytic lesions of the medial wall of the left orbit the findings would support the diagnosis of underlying round cell tumor. The soft tissue material in the nasal cavity is most consistent with rhinitis (viral ± bacterial superinfection), however non-contrast enhancing mass is a consideration and rhinoscopy including sampling for biopsy and microbial culture might be used as advanced diagnostic tool.

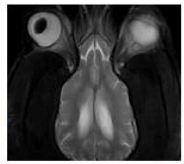
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The prominent left deep cervical lymph node is equivocal for reactive hyperplasia or neoplastic infiltration (history of lymphoma). A differential is ectopic thyroid tissue.

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**PATIENT**

Chicken Montoya

**SPECIES**

Feline

**BREED**

DSH

**SEX**

Neutered Male

**AGE**

6 Years

**INTERPRETED BY**

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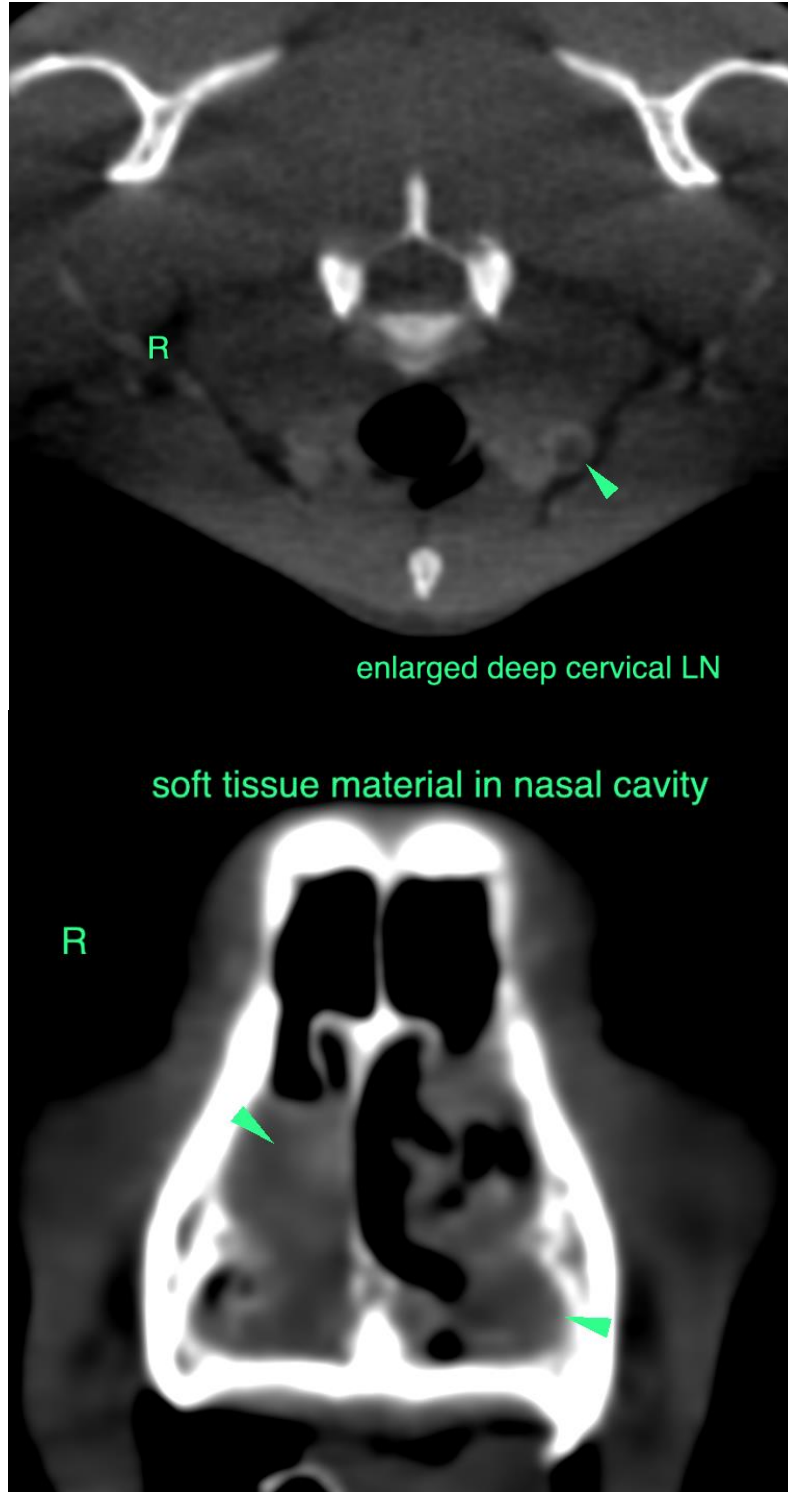
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enlarged deep cervical LN

soft tissue material in nasal cavity



**PATIENT**

Chicken Montoya

**SPECIES**

Feline

**BREED**

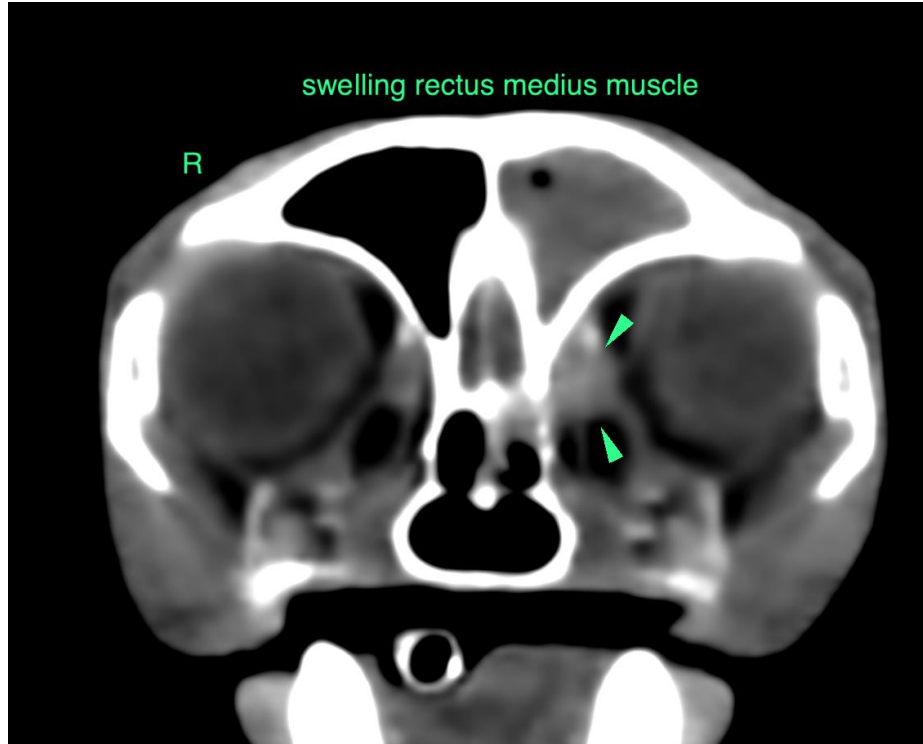
DSH

**SEX**

Neutered Male

**AGE**

6 Years



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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. 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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