



PATIENT PRESENTING CLINICAL SIGNS

Molson Pitt Cytology performed on October 6, 22 revealed squamous cell carcinoma metastatic within submandibular lymph node. Primary tumor likely in the mouth. CT for staging and surgical planning.

SPECIES Abnormal PE/Chem/CBC/UA Results: On examination 3.5 cm sq mass left ventral neck. Hyperglobulinemia on chemistry.

Canine

COMPUTED TOMOGRAPHY OF THE SKULL & THORAX

BREED

A pre- and post-contrast CT study of the skull and neck and a post-contrast CT study of the thorax are provided for review.

Pom-a-poo

COMPUTED TOMOGRAPHIC FINDINGS

Skull

SEX Triadan 102, 104 & 209 present a moderate widening of the periodontal space. The root of triadan 104 is perforating the right nasal cavity and a focal intranasal soft tissue swelling level with the alveolar crest of triadan 104 is noted. In the rostral aspect of the right nasal cavity, a moderate focal soft tissue swelling is appreciated. The remaining teeth present signs generalized periodontal disease.

MN

AGE

The nasal cavity presents the expected aerated spaces between thin & even conchae and turbinates with smooth mucosal lining.

11 Years

INTERPRETED BY

The left tonsil is prominent, measuring 8 x 7 x 11 mm in size.

Sebastian Schaub, 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 ear canals are within normal limits.

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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.

REFERRING VET

Jerome Gagnon

The left medial retropharyngeal and mandibular lymph nodes are significantly enlarged and rounded, uniform soft tissue attenuating and present a heterogeneous contrast enhancement pattern.

The thyroid glands bilaterally present with the expected size, shape and attenuation pattern. The left medial retropharyngeal lymph node is deviated medially by the enlarged left medial retropharyngeal lymph node.

INVOICE

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Thorax

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

DATE

10-31-22

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.

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



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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.

The lung parenchyma presents the expected architecture and attenuation behavior.

SPECIES

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

COMPUTED TOMOGRAPHIC DIAGNOSIS

BREED

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- History of squamous cell carcinoma left tonsil
- Lymphadenopathy left mandibular and medial retropharyngeal lymph nodes
- Oronasal fistula formation 104
- Advanced periodontal disease 102, 209
- Generalized periodontal disease
- No evidence of pulmonary metastatic disease

SEX

MN

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The CT study is suggestive for squamous cell carcinoma is originating from the left tonsil with metastatic spread to the tributary lymph nodes.

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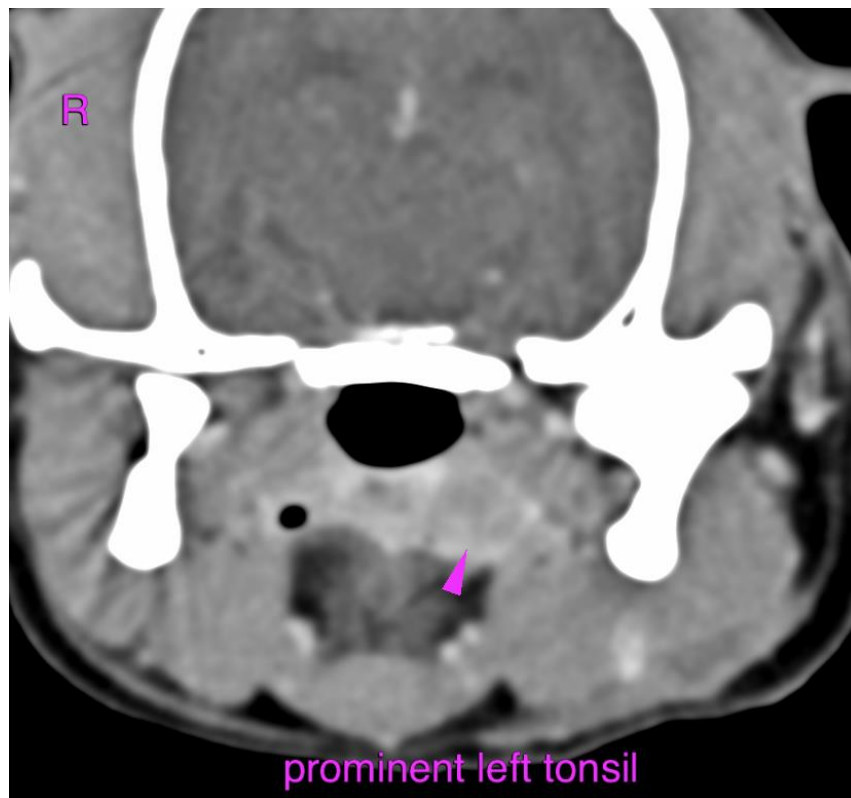
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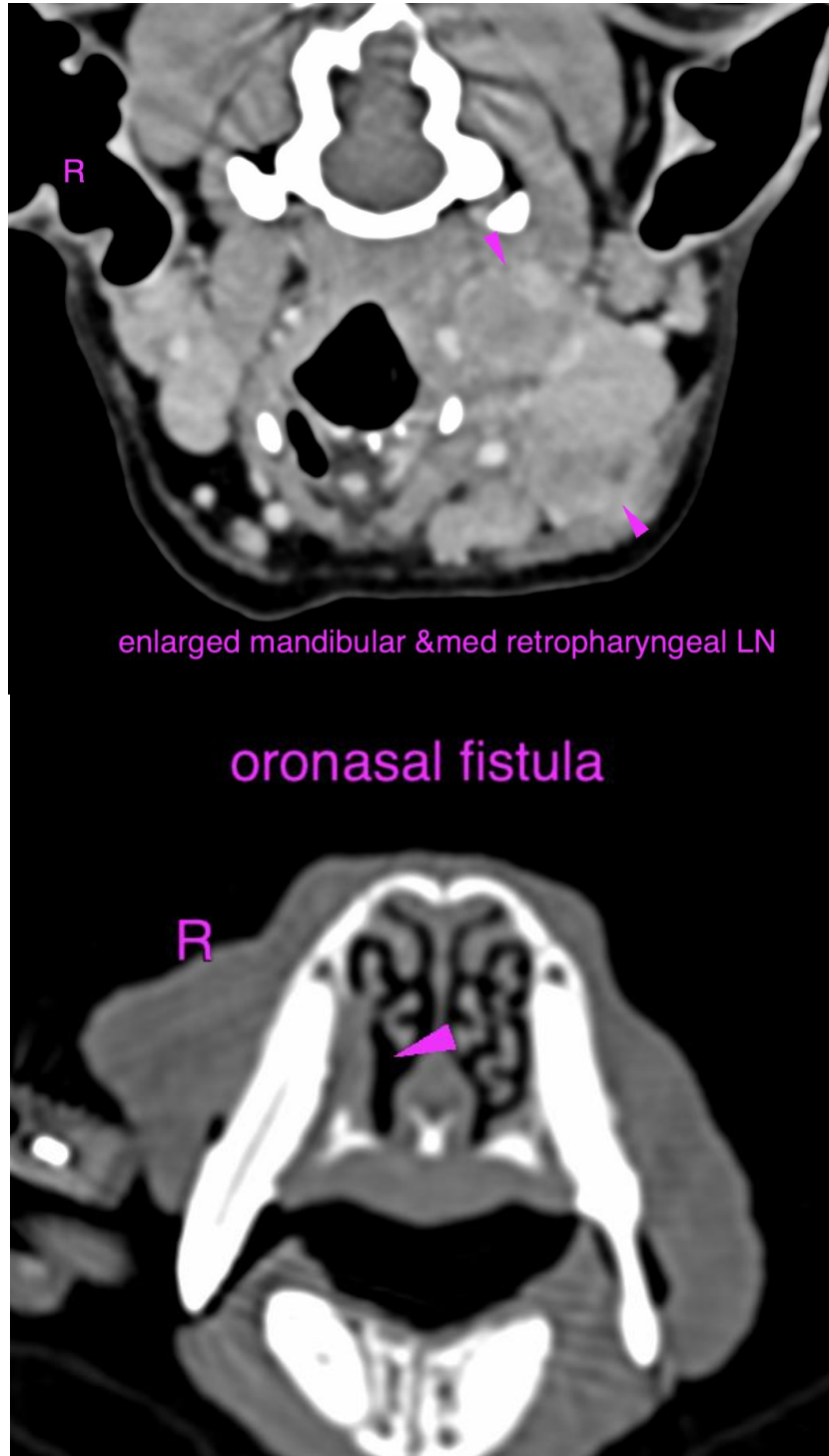
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enlarged mandibular & med retropharyngeal LN

oronasal fistula



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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.

SPECIES

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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.

BREED

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Sebastian Schaub, Sebastian Schaub, DVM, Dr. med. vet. DipECVDI
sebast.schaub@gmail.com

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