



PATIENT PRESENTING CLINICAL SIGNS

Sky Martin History: Pet presented for enlarging mass on right side of neck lateral to trachea. suspected carcinoma.

SPECIES COMPUTED TOMOGRAPHIC STUDY OF THE NECK & THORAX

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

BREED COMPUTED TOMOGRAPHIC FINDINGS

DSH **Skull**

SEX

Neutered Male

A first premolar is present in the right and left maxillary jaw quadrant.

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

AGE

8 Years 10 Months

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.

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.

HOSPITAL NAME

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The right mandibular salivary gland is significantly enlarged, measuring 2.8 x 2.0 x 2.5 cm. Post contrast administration, the right mandibular salivary gland has a heterogeneous contrast enhancement pattern. The mass of the right mandibular salivary gland is in contact with the right parotid gland rostradorsally, which is deviated by the mass effect.

The right medial retropharyngeal lymph node is prominent.

REFERRING VET

Michelle Hoffman

Thorax

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

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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.

DATE

7/28/23



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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.

SPECIES

Feline

The lung parenchyma presents the expected architecture and attenuation behavior, but zones of dystelectasis of the dependent dorsal aspects of the lung parenchyma.

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

BREED

DSH

COMPUTED TOMOGRAPHIC DIAGNOSIS

- Soft tissue mass originating from the right mandibular salivary gland
- Lymphadenopathy right medial retropharyngeal lymph node
- Normal thorax, no evidence of pulmonary metastatic disease

SEX

Neutered Male

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The mass in the right submandibular region is originating from the right mandibular salivary gland and neoplastic transformation is considered most likely – although salivary gland neoplasia is a rare entity, adenocarcinoma would be most common. Complete surgical excision of the mass is considered feasible – the mass is well vascularized and receives branches from the jugular vein and carotid artery.

AGE

8 Years 10 Months

Recommend complementing workup by FNA sampling of the medial retropharyngeal lymph node to screen for metastatic disease.

INTERPRETED BY

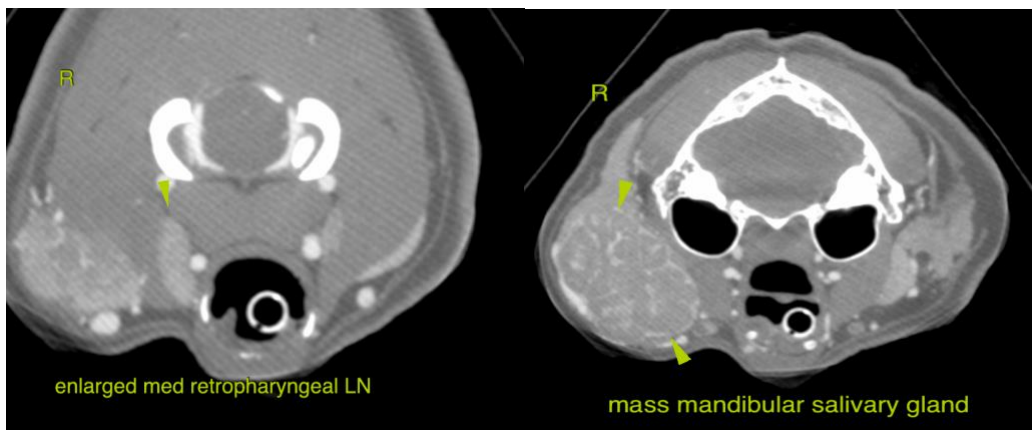
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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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info@sonopath.com

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Neutered Male

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