



PATIENT

Georgia MacMillan

PRESENTING CLINICAL SIGNS

Mass on lower right lip first noted in August 2022. Growing in size since then - biopsied on November 9, 2022 as a squamous cell carcinoma. Additional mass was noted a couple of weeks later on the left upper lip. Thoracic radiographs taken on November 21 did not show evidence of metastatic disease.

SPECIES

Canine

Abnormal PE/Chem/CBC/UA Results: Oral cavity: 2.5 x 1.2 cm right lower lip, 1 cm left upper lip

BREED

English Bulldog

COMPUTED TOMOGRAPHY OF THE SKULL & THORAX

A pre- and post-contrast CT study of the skull and thorax in a bone, lung and soft tissue reconstruction are provided for review.

COMPUTED TOMOGRAPHIC FINDINGS

SEX

FS

Skull

A significant bradygnathia superior is appreciated. Multiple teeth are absent. At the lingual aspect of triadan 404, a central mineralizing, ovoid shaped lesion is protruding from the gingival lining; measuring approximately 13 mm in size. Multiple small (<8 mm) polypoid lesion are protruding from the buccal gingival lining along the mandibular premolar teeth.

AGE

12 Years

Advanced mineralization of the orbital ligament bilaterally is appreciated.

INTERPRETED BY

Sebastian Schaub, DVM
Dr. med. vet. DipECVDI

Level with triadan 406 to 408 in the subcutaneous tissue of the right lower lip, a roundish, uniform soft tissue attenuating and heterogeneous contrast enhancing nodule is appreciated, measuring 16 x 17 x 21 mm in size. The subcutaneous mass of the right lower lip has ill-defined margins.

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

HOSPITAL NAME

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

Both tympanic bullae contain a small amount of non-contrast enhancing soft tissue material. The osseous lining of the tympanic bullae is breed specific thickened and smooth. The external ear canals are moderately narrowed and present a significant thickened wall. Advanced shell-like mineralization of the wall of the external ear canals is seen.

REFERRING VET

Dr. Jerome Gagnon

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.

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One of the medial mandibular lymph nodes is prominent and rounded.

The vertebral endplates C2/C3 present spondylosis formation.

DATE

11-28-22

Thorax

Multiple hemivertebra are appreciated along the caudal thoracic spine and present accompanying spondylosis formation.

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



PATIENT 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.

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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. The cardiac of the stomach is located cranial to the diaphragm in the caudal mediastinum.

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COMPUTED TOMOGRAPHIC DIAGNOSIS

SEX

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- History of squamous cell carcinoma right lower lip
- Lymphadenopathy of one of the right medial mandibular lymph nodes
- Bilateral chronic otitis externa with dystrophic mineralization of the external ear canals and stenosis of the external ear canals
- Bilateral mild otitis media
- Multiple gingival proliferative lesions with central mineralization – most consistent with peripheral odontogenic fibroma
- Multiple absent teeth
- Multiple hemivertebra along the thoracic spine
- Spondylosis deformans thoracic spine
- No evidence of pulmonary metastatic disease

AGE

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The soft tissue mass of the right lower lip is fitting the history of squamous cell carcinoma. Complete surgical excision of the mass is considered feasible. Recommend complementing workup by (ultrasound guided)FNA sampling of the prominent right mandibular to rule in/out local metastatic spread.

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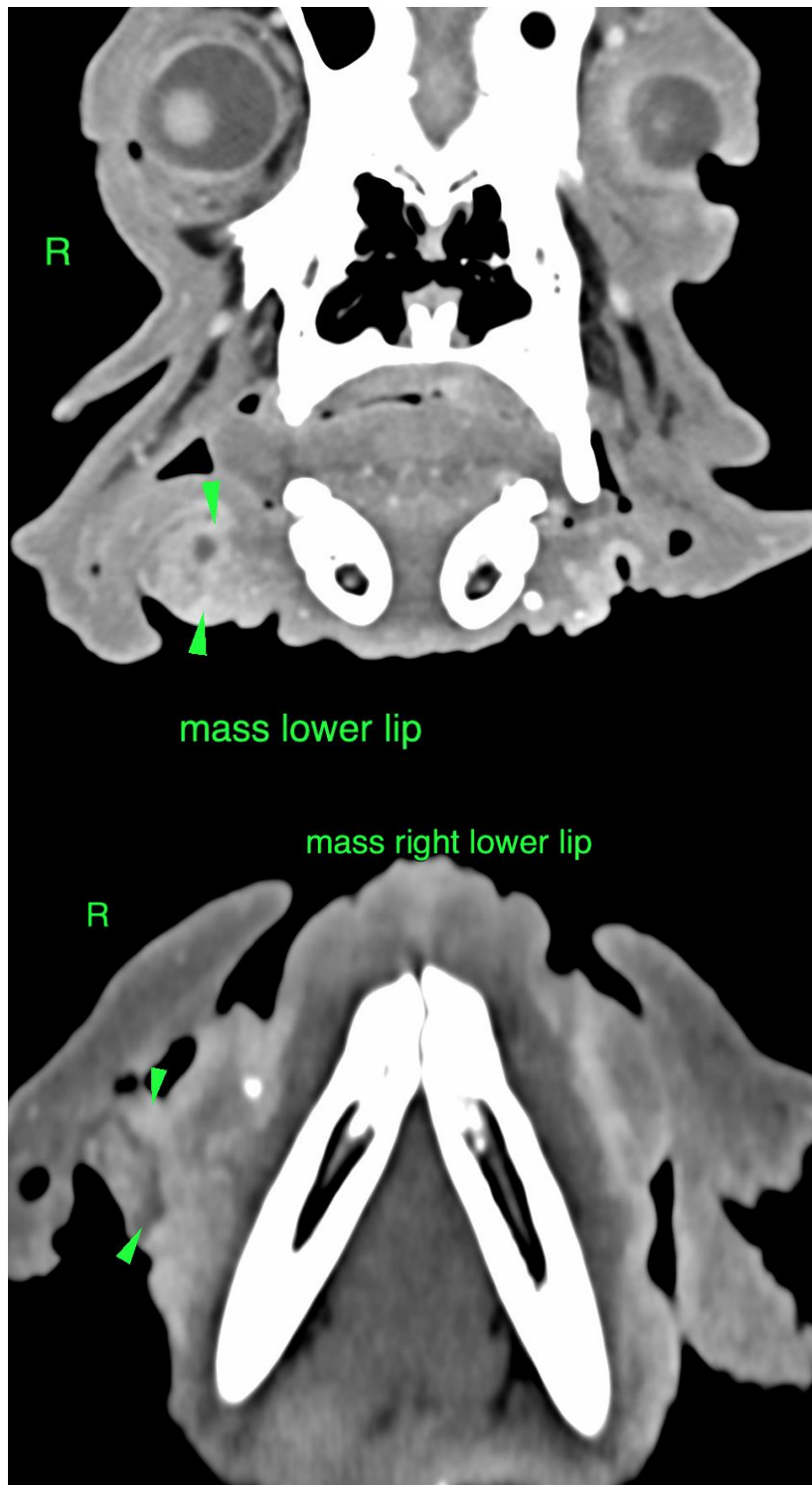
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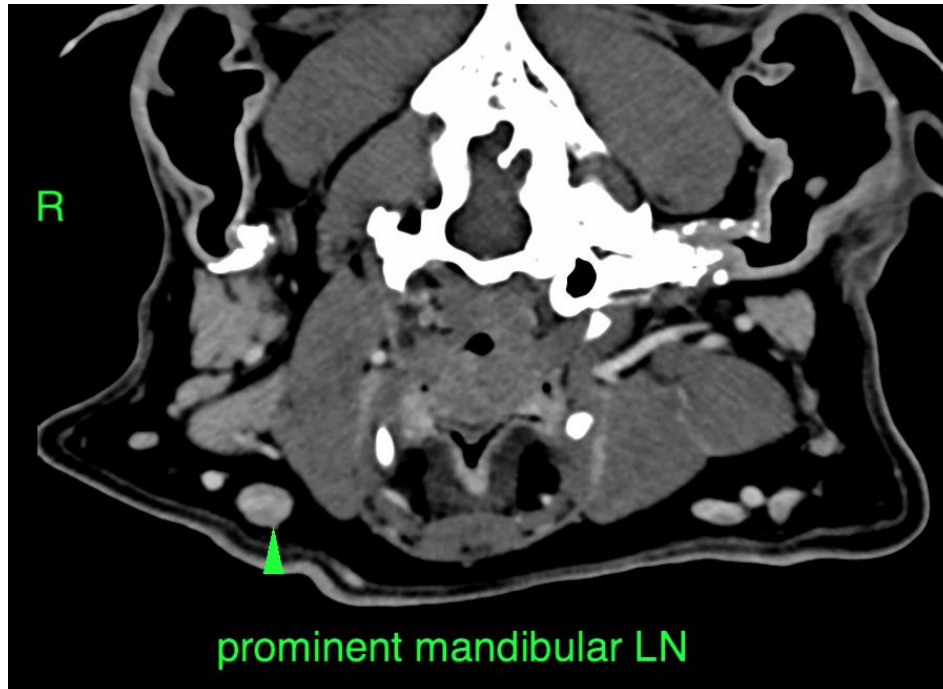
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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