



**PATIENT**

Bailey Osborne

**PRESENTING CLINICAL SIGNS**

Bailey, a 11 mo old Female Spayed Miniature Goldendoodle, was presented to the Toronto Animal Health Partners Surgery Service for evaluation of a neck swelling. The swelling was initially noticed in the beginning of September. But recently has been stable. E/D/U/D normally, one episode of vomiting, 2 x 30 min walks a day No clinical signs from mass 9/23 Clavaseptin and Rheumacam prescribed- no improvement in swelling FNA revealed neutrophilic inflammation

**SPECIES**

Canine

**COMPUTED TOMOGRAPHY OF THE NECK**

**BREED**

Mini Goldendoodle

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

**COMPUTED TOMOGRAPHIC FINDINGS**

**SEX**

FS

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.

**AGE**

11 Months

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.

**INTERPRETED BY**

Sebastian Schaub, DVM  
Dr. med. vet. DipECVDI

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.

**HOSPITAL NAME**

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Ventral to the basihyoid bone, a well-defined, roundish, uniform soft tissue attenuating and moderate contrast enhancing mass is visible measuring approximately 2.5 x 2.5 x 3.0 cm in size. There are multiple small tortuous feeding vessels in the periphery of the mass. The mass is in contact with the basihyoid bone and permeative osteolytic lesions of the basihyoid bone are seen.

**REFERRING VET**

Lea Mehrkens

Both thyroid glands are moderately enlarged, measuring approximately up to 2 cm in diameter and 3.3 cm in length. The contrast enhancement pattern of the thyroid glands is heterogeneous and multiple small tortuous vessels are seen in the periphery. The esophagus is distorted by the enlarged thyroid glands.

Along the ventral aspect of the trachea, level C6/C7 multiple small (<6 mm) nodular lesions are visible, presenting moderate contrast enhancement.

**INVOICE**

47867

**COMPUTED TOMOGRAPHIC DIAGNOSIS**

- Bilateral thyroid mass lesions
- Mass ventral to basihyoid bone and monostotic aggressive osteolytic lesion of the basihyoid bone.

**DATE**

10-20-21



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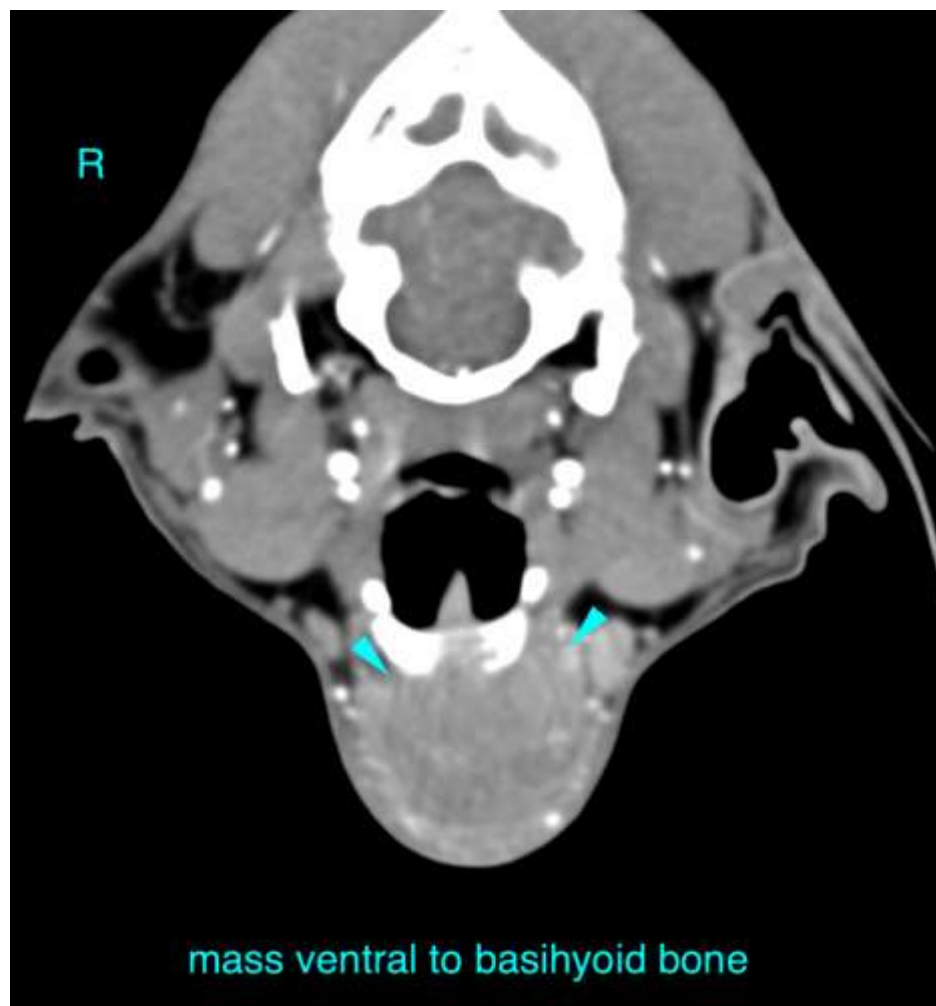
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**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The osteolysis of the basihyoid bone is rendering the mass malignant and the top differential is thyroid carcinoma affecting the thyroid glands and possibly ectopic thyroid tissue level with the base of the tongue and along the ventral aspect of the caudal cervical segment of the trachea. Differentials include other malignant neoplasia such as squamous cell carcinoma, lymphosarcoma, other - but wouldn't explain affection of the thyroid glands bilaterally. Biopsy of the mass is recommended as an advanced diagnostic test.

Consider full tumor staging.





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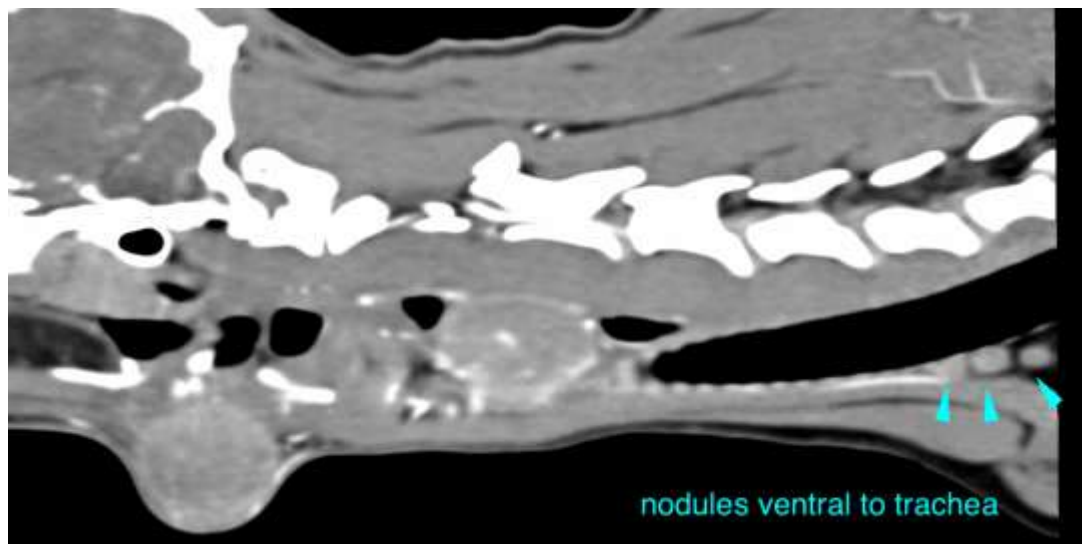
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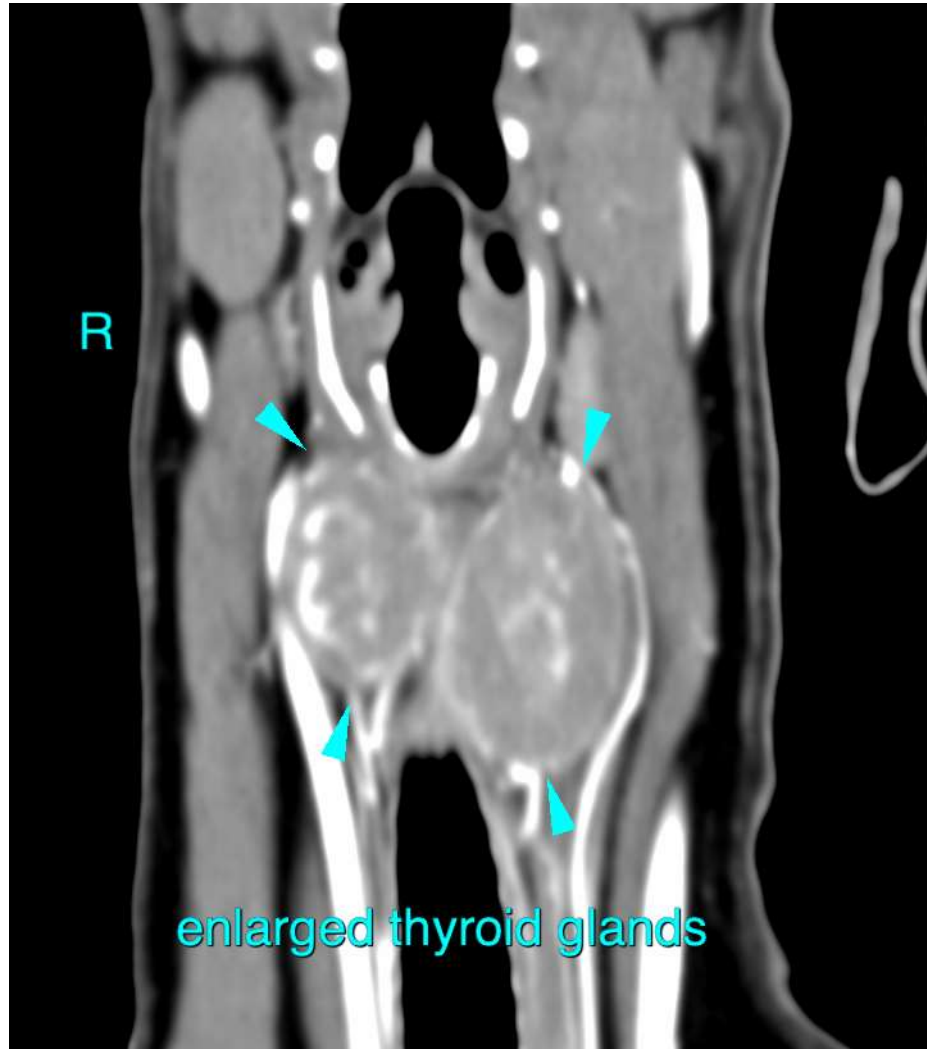
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

**Sebastian Schaub**, Sebastian Schaub, DVM, Dr. med. vet. DipECVDI  
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