



PATIENT PRESENTING CLINICAL SIGNS

Gromit Nelson Diagnosed with a lower left mandibular mass just caudal to the 304 and extending to approximately midline. Biopsies were performed June 6th, 23 and diagnosed as a Minimally Invasive Papillary Squamous Cell Carcinoma. Gromit went for surgical consult and plan to do CT and schedule surgery within 1-2 weeks. Specialist requested a CT of the skull with neck focusing on the cranial mandible. Also requested chest CT to look for metastasis.

SPECIES

Canine Abnormal PE/Chem/CBC/UA Results: WNL

COMPUTED TOMOGRAPHY OF THE SKULL & THORAX

BREED

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

Golden Retriever

COMPUTED TOMOGRAPHIC FINDINGS

Skull

SEX

The pictured parts of the dentition are complete. At the distal aspect of triadan 304, centered on its respective alveolar crest, a uniform soft tissue attenuating and irregular contrast enhancing mass is appreciated. The alveolar bone of triadan 304 presents permeative osteolytic lesions – including the alveolar bone of triadan 305. The soft tissue mass level with triadan 304 is measuring approximately 2.9 x 2.0 x 2.4 cm and is bulging beyond the gingival lining.

MN

AGE

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

8 Years

INTERPRETED BY

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

Sebastian Schaub, DVM
Dr. med. vet. DipECVDI

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.

HOSPITAL NAME

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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The left mandibular lymph nodes and the left medial retropharyngeal lymph node are prominent.

At the caudal pole of the left thyroid gland, an intraparenchymal nodule, measuring 5 mm in diameter is appreciated, presenting a homogeneous contrast enhancement pattern and is hypoattenuating to the thyroid parenchyma.

REFERRING VET

Dr. H. Basse

Thorax

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

INVOICE

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.

59300

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

DATE

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.

7-11-23



PATIENT The lung parenchyma presents the expected architecture and attenuation behavior.

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

SPECIES **COMPUTED TOMOGRAPHIC DIAGNOSIS**

Canine

- History of squamous cell carcinoma distal aspect triadan 304 with monostotic aggressive osteolysis of the body of the left mandible at the same level
- Lymphadenopathy left mandibular and medial retropharyngeal lymph nodes
- Intraparenchymal right thyroid nodule
- Structural normal thorax, no evidence of pulmonary metastatic disease

BREED

Golden Retriever

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

SEX

The appreciated soft tissue mass at the distal aspect of triadan 304 is fitting the history of squamous cell carcinoma. Complete surgical excision of the mass by rostral mandibulectomy is considered feasible – possible osteotomy lines are distal to triadan 306 and distal to triadan 405.

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Recommend FNA sampling of the tributary lymph nodes to rule out metastatic disease.

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The right thyroid nodule is suggestive for either macronodular hyperplasia of the right thyroid gland or enlargement of the right caudal parathyroid gland, suggestive for (non)functional parathyroid adenoma or less likely carcinoma. Check blood calcium levels for further workup.

8 Years

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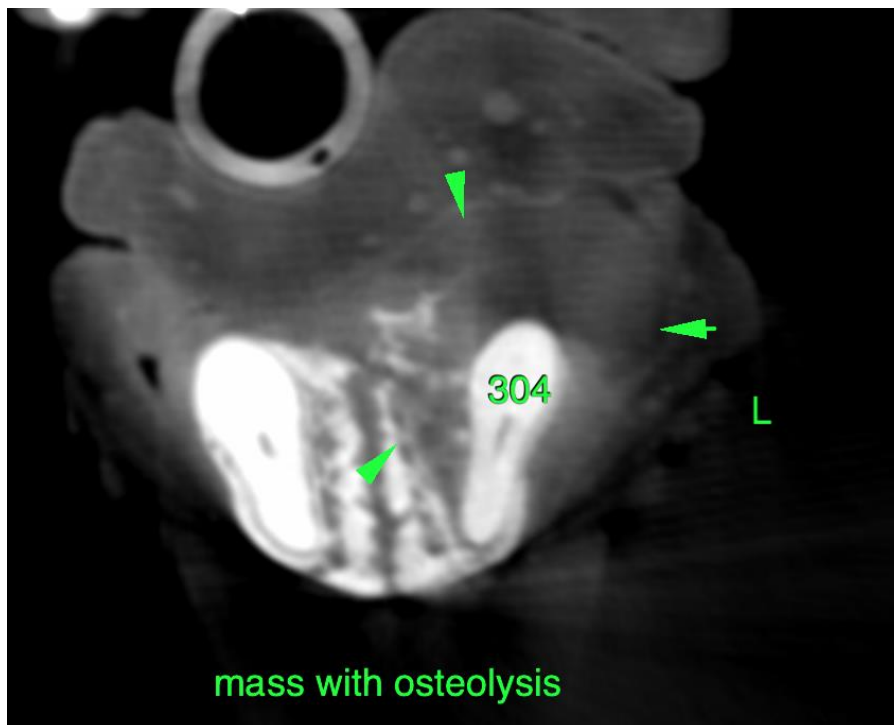
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mass with osteolysis



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Gromit Nelson

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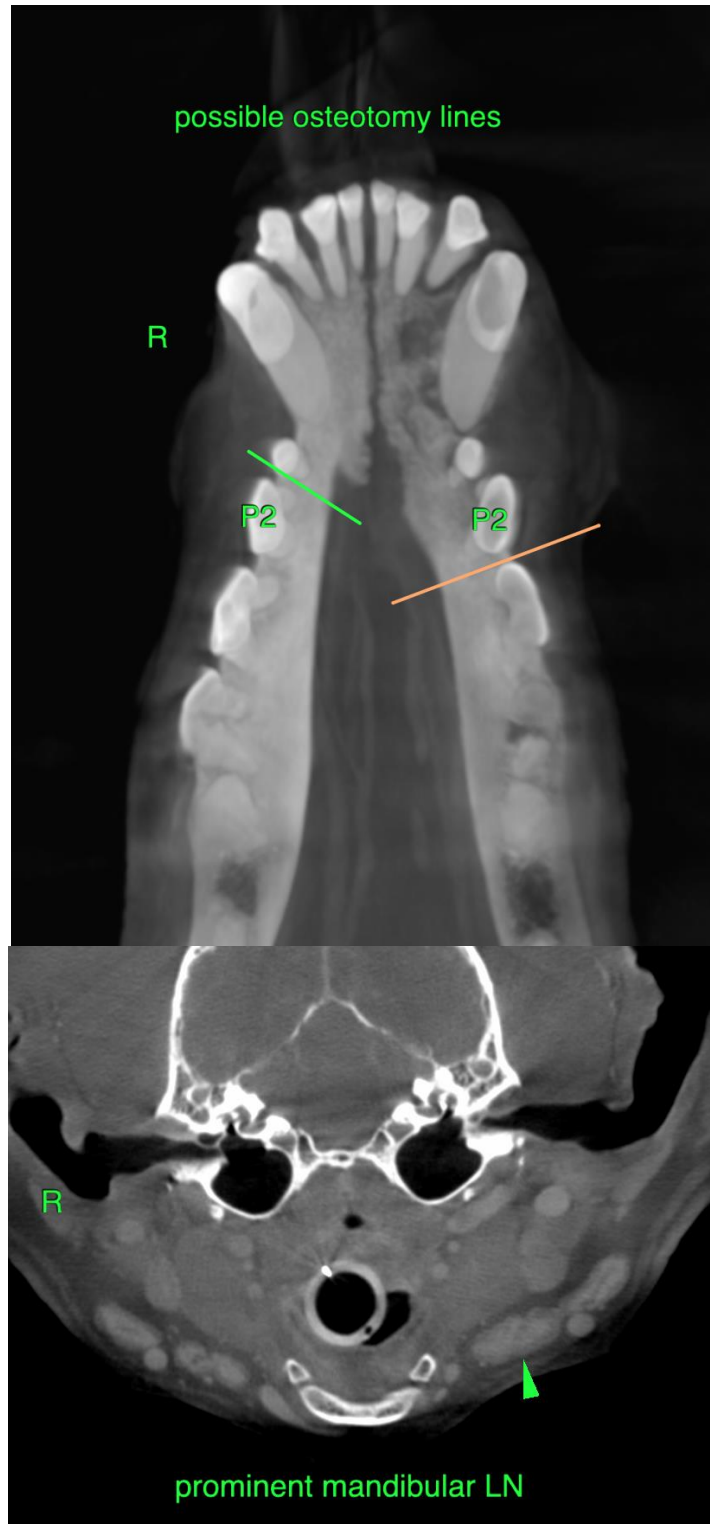
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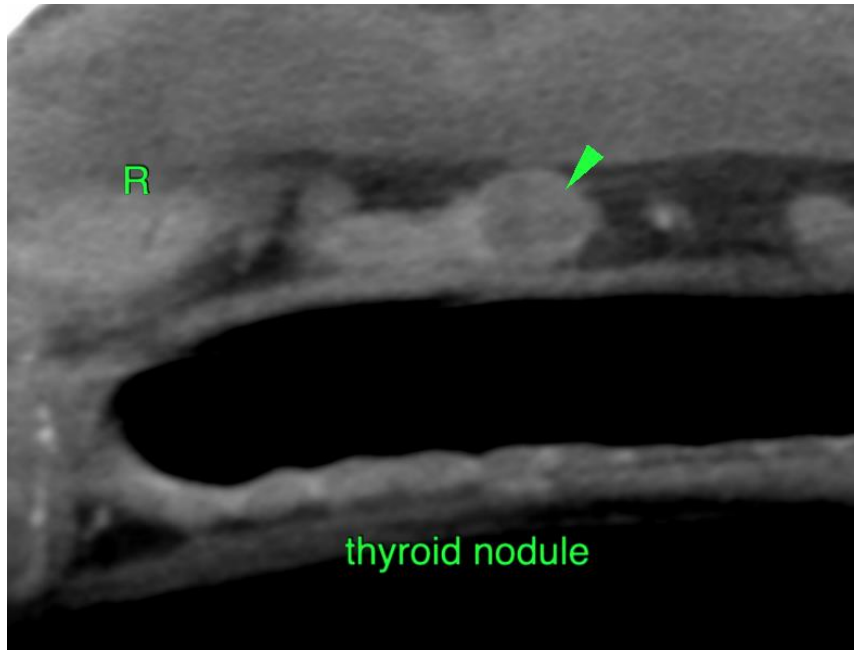
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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