



PATIENT PRESENTING CLINICAL SIGNS

Nala Yeung Nala presented for Mass on lip. This was first noted 2-3 weeks ago while doing annual teeth cleaning. PE: Left rostral mandibular gingival mass. Gingival swelling right upper canine tooth

SPECIES COMPUTED TOMOGRAPHIC STUDY OF THE HEAD, NECK, & THORAX

Canine Post-contrast studies available for review.

COMPUTED TOMOGRAPHIC FINDINGS

Head

Husky Ill-defined cystic lysis is seen in the left rostral mandible starting from the root of the triadan 304 and extending caudally up to the level of the triadan 307. The lytic area spans a length of approximately 1.5 cm and is surrounded by ill-defined medullary sclerosis. Cortical bone thinning is seen accentuating the lateral cortex of the left rostral mandible. The changes appear to be associated with a soft tissue mass effect at the gingival stromal junction; however, there is border effacement with the overlying tongue and the soft tissue mass cannot be clearly delineated. Ovoid widening of the periodontal space of the triadan 302 is noted in the left rostral mandible as well. The triadan 302 and the triadans 306 and 307 are deviated secondary to the cystic expansions within the left rostral mandible.

SEX

FS

AGE

9 Years

All present teeth present moderate to severe signs of periodontal disease accentuating the triadans 104, 108, 109, 110, 201, 203, 204, 206, 209, 210, 308, 309, 310, 407, 409, and 410.

INTERPRETED BY

Nele Eley, DVM
Dr. med. Vet. DipECVDI

The regional submandibular and retropharyngeal lymph nodes present mild bilaterally symmetric enlargement.

Neck

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Center

The soft tissue of the neck including the thyroid gland and cervical lymph nodes present within normal limits.

Number, alignment, and anatomy of the cervical vertebrae present within normal limits.

Thorax

REFERRING VET

Pet Cara AC

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

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 are uniform and considered within normal limits.

INVOICE

50834

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

DATE

3-8-22

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.

**PATIENT**

Nala Yeung

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

COMPUTED TOMOGRAPHIC DIAGNOSIS**SPECIES**

Canine

- Two sites of cystic expansile osteolysis within the left rostral mandible associated with the triadan 302 and 304 respectively.
- Severe multifocal periodontal disease.
- Mild bilateral submandibular and medial retropharyngeal lymphadenomegaly.
- Age related normal findings of the thorax.

BREED

Husky

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**SEX**

FS

Two sites of cystic expansile osteolysis associated with the periodontium of the dental elements 302 and 304 are seen in the left rostral mandible. These appear to be associated with a soft tissue mass which, however, cannot be fully delineated owing to the border effacement with the surrounding soft tissues. Differential diagnosis includes ameloblastoma / acanthomatous epulis versus fibrosarcoma, melanoma, squamous cell carcinoma, or other. Final diagnosis will require sampling.

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The lymph node changes are suggesting reactive hyperplasia. Fine needle aspiration could be considered in order to rule out early metastatic disease even though this is considered less likely especially in the case of ameloblastoma since this tends to grow locally invasive and does not typically cast metastatic disease.

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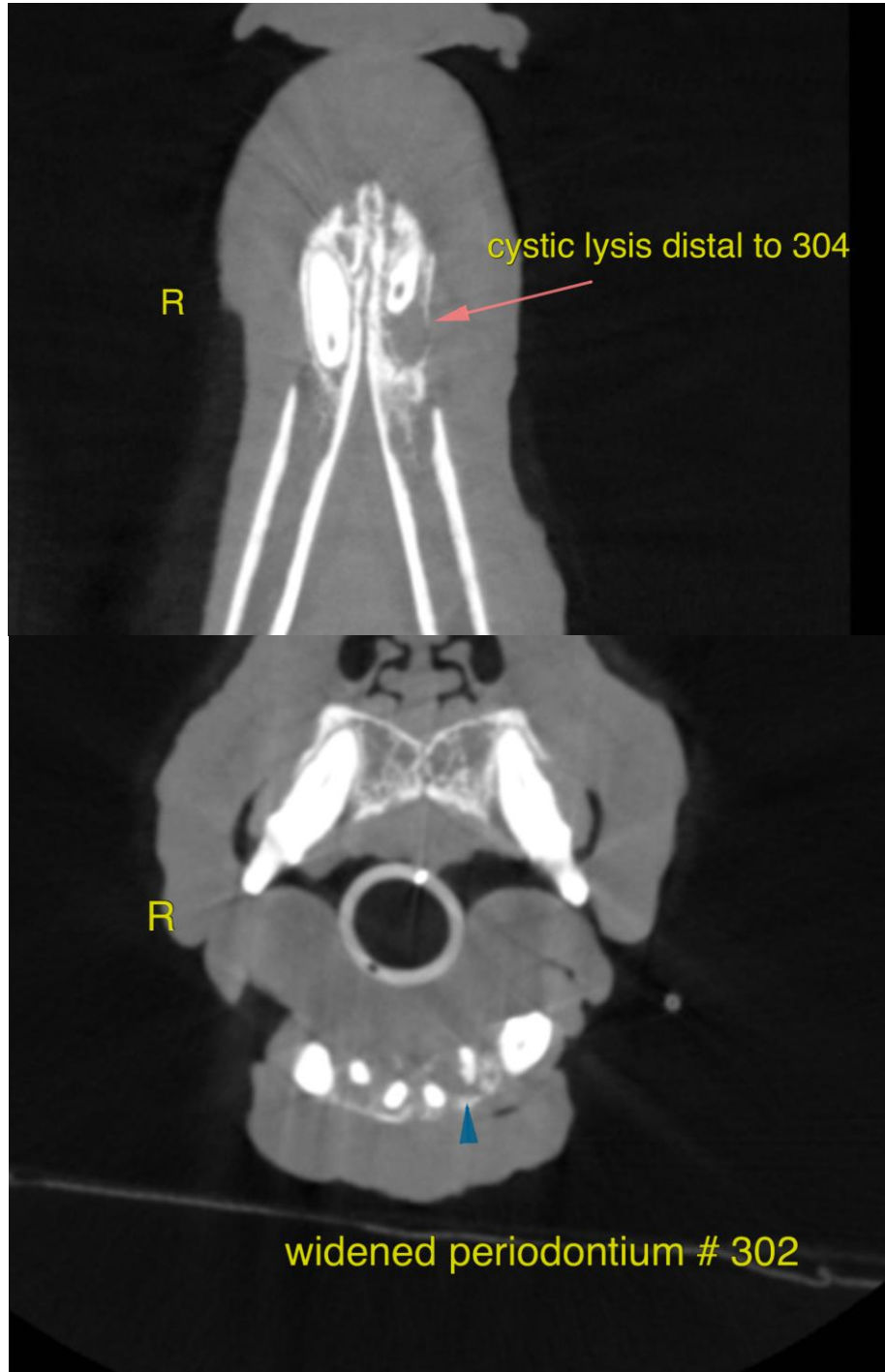
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PATIENT

Nala Yeung

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.

SPECIES

Canine

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