



PATIENT PRESENTING CLINICAL SIGNS

Bear Ramage 21/02/23: Mass growing cranial and lateral to 304 canine - inflamed gingiva with irregular surface.
09/03/23: Dental radiography of rostral mandible. Loss of bone attachment of mandibular incisors.
Some calcification of oral mass. Mass appears invasive with attachment from 201-305 region and causing movement of teeth. CT for next steps.

SPECIES

Canine

COMPUTED TOMOGRAPHY OF THE HEAD

Pre/post contrast studies provided for review.

BREED

German Shepard

COMPUTED TOMOGRAPHIC FINDINGS

The left rostral mandibular bone presents an expansile soft tissue dense predominantly osteolytic lesion with irregular mineralization and unstructured periosteal reactions. The tooth 303 is included and shows marked lytic/erosive changes. The osteolysis crosses the symphysis and midline rostrally with involvement of the roots of 301/302 and the area of the 304-306 roots caudally. 401 – 303 are deviated. Images post contrast reveal a heterogeneous contrast uptake. The lesion shows estimated diameters of 5.7 cm (rostral-caudal) x 3.2 cm (latero-lateral).

SEX

Male

AGE

9 Years

Frontal sinuses and the orbital contents are laterally symmetrical without evidence of a retrobulbar lesion. Nasal cavities are ventilated regularly. Conches look normal. The rostral parts of the neurocranium are inconspicuous.

INTERPRETED BY

Sebastian Jawinski,
German Board
Certified Vet
Specialist in
Diagnostic Imaging

COMPUTED TOMOGRAPHIC DIAGNOSIS

- Aggressive/invasive, osteolytic bone lesion of the left rostral mandibular bone

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The unstructured and amorphous appearance of the lesion and especially the erosions/lysis of the dentin of 303 are highly suspicious for a malignant neoplastic process as seen for example with squamous cell carcinoma, malignant melanoma or low grade fibrosarcoma. Ameloblastoma could be another differential. Primary bone neoplasia is unlikely. Surgical resection should include the mandibular bone on the right adjacent to the symphysis and the teeth 401-403 and the mandibular bone on the left with 301-306. Evaluation of the cervical lymph nodes and the chest is recommended to check for metastases.

HOSPITAL NAME

Animal Trust -
Ellesmere Port

REFERRING VET

Laura Blackwell

INVOICE

59273

DATE

7-11-23



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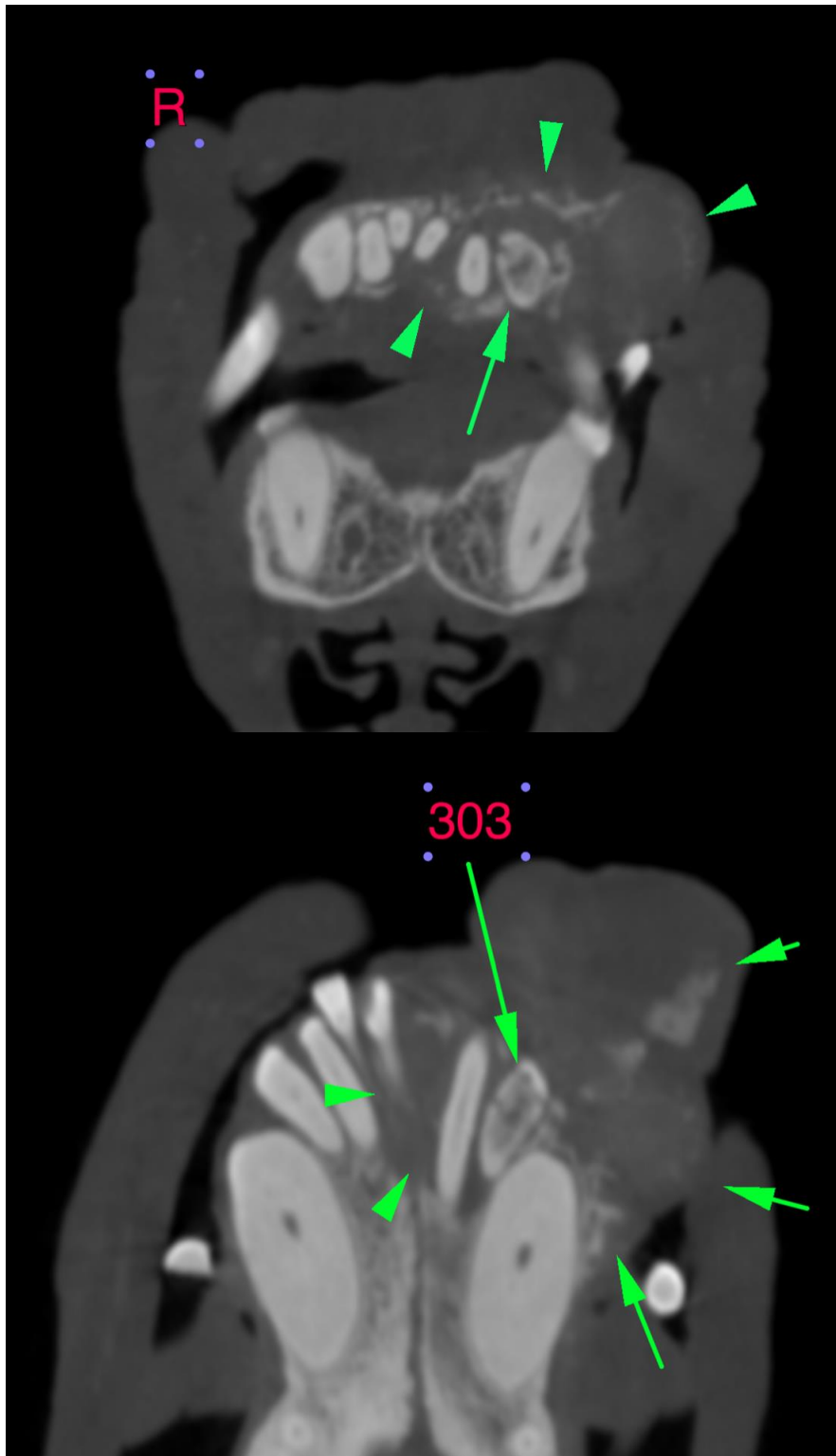
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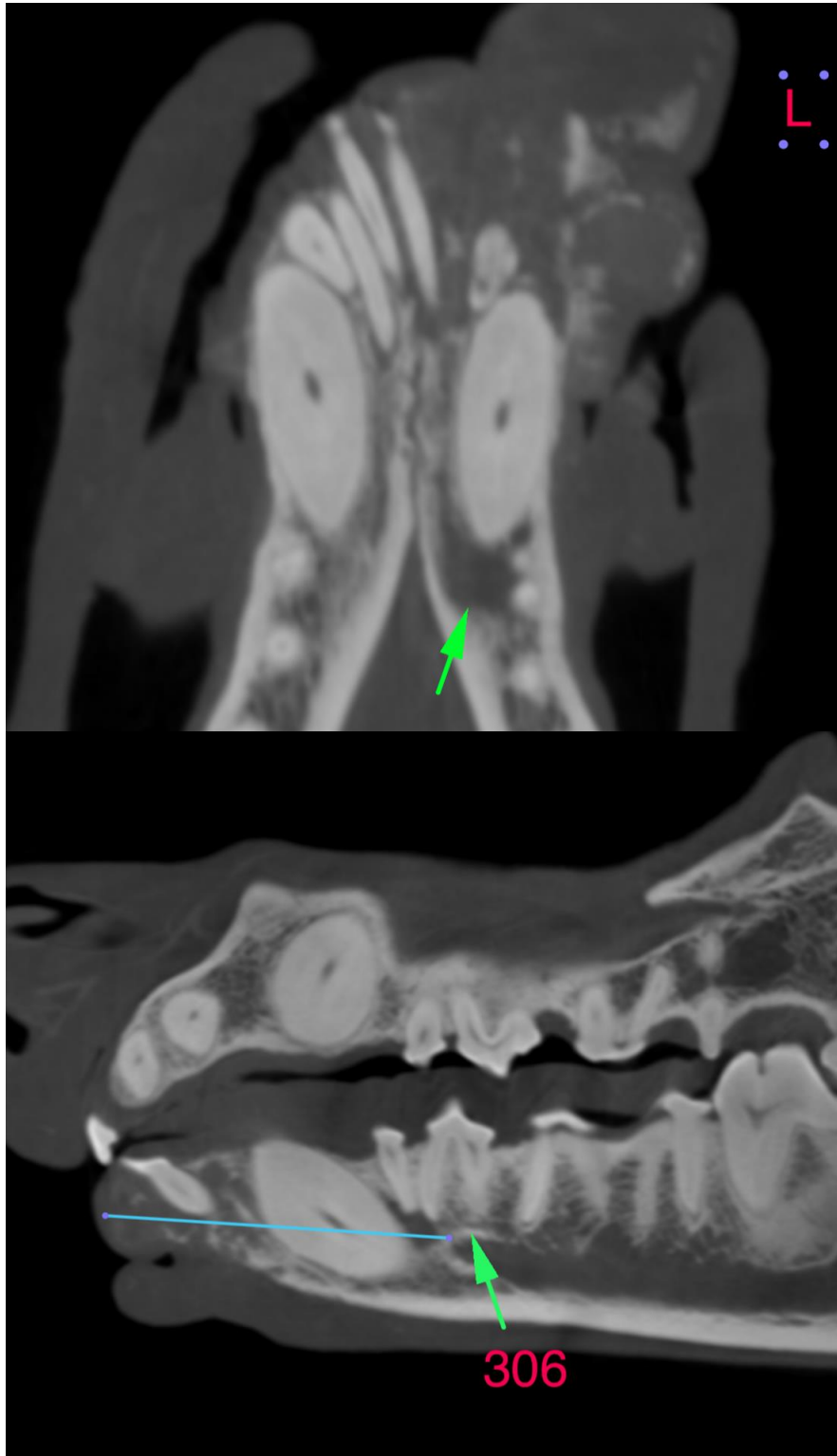
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PATIENT

Bear Ramage **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.**

SPECIES

Canine 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.

BREED

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