



PATIENT

Camden Mandaro

PRESENTING CLINICAL SIGNS

november of 2021 part of mandible was removed (rostral hemi mandibulectomy). concerned about recurrence.

SPECIES

Canine

COMPUTED TOMOGRAPHY OF THE SKULL & THORAX

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

BREED

Golden Retriever

COMPUTED TOMOGRAPHIC FINDINGS

Skull

The rostral segment of the body of the mandible is bilaterally absent – mesial to triadan 308 / 408. Centered on the rostral margins of the body of the mandible bilaterally, an ovoid shaped, peripherally accentuated contrast enhancing mass is seen, measuring 6.5 x 4.5 x 5.2 cm in size. The rostral aspect of the stump of the left mandible presents with aggressive osteolytic lesions, extending caudally up to the ramus of the left mandible. The stump of the right body of the mandible presents mild aggressive osteolytic lesions at the most rostral aspect.

SEX

MN

The salivary duct of the left mandibular salivary gland is dilated, measuring 3.2 mm in diameter.

AGE

5 Years

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

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

INTERPRETED BY

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.

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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Center

The left mandibular lymph nodes are prominent.

Thorax

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

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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.

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

INVOICE

55038

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.

DATE

11-8-22

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



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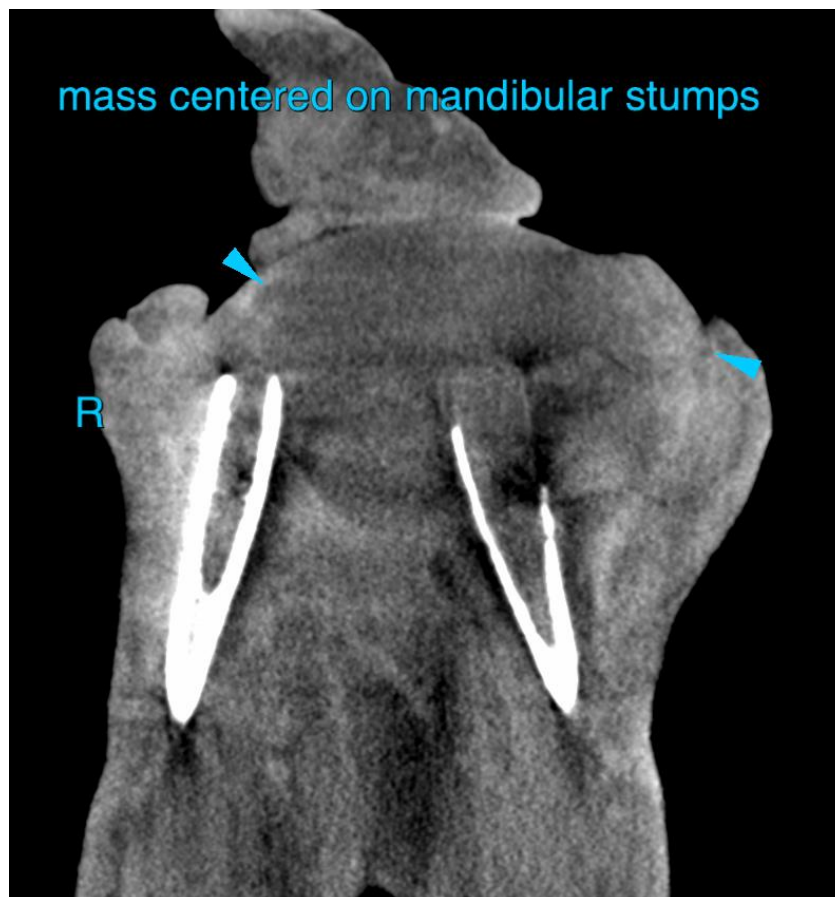
COMPUTED TOMOGRAPHIC DIAGNOSIS

- History of rostral mandibulectomy
- Biologically aggressive soft tissue mass centered on the rostral stumps of both bodies of the mandible, L>R
- Lymphadenopathy left mandibular lymph node
- Normal thorax, no evidence of pulmonary metastatic disease

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The CT findings indicate reoccurrence of mandibular neoplastic disease. The soft tissue mass is centered on the rostral stumps of the bodies of the mandible. The changes of the caudal segment of the left mandible including the body indicate extension of the mass through the mandibular canal up to the ramus. Potential surgical or palliative treatment options should be discussed with oncologist & surgeon.

Recommend FNA sampling of the left mandibular lymph nodes to differentiate between reactive hyperplasia or metastatic disease.





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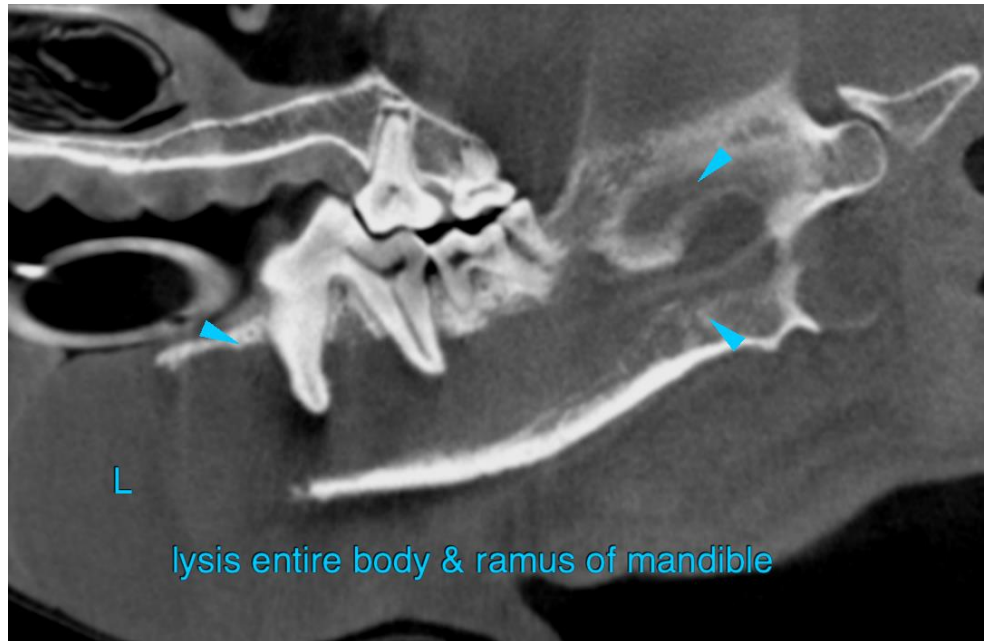
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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