



PATIENT

Chester Buckingham

SPECIES

Canine

BREED

Lab

SEX

MN

AGE

5Y

WEIGHT

34.7kg

INTERPRETED BY

Nele Eley (Ondreka),
DVM Dr. med. vet.,
DipECVDI

IMAGING PERFORMED BY

Alexa Jones

HOSPITAL NAME

Alberta Veterinary
Dentistry

REFERRING VET

Dr. Brittney Rigby

INVOICE

72901

DATE

12-8-25

PRESENTING CLINICAL SIGNS

Chester was anesthetized for a comprehensive oral health assessment today including cone beam CT of his dentition and TMJs (we have provided only the scan that includes his TMJs not the more rostral scan that we obtained of the dentition). Arising from the caudal right mandible on the lingual surface is a bony proliferation that extends to the base of the right tympanic bulla. There is soft tissue attenuation within the right tympanic bulla and middle ear. This patient has a history of recurrent right otitis externa and has a significant skeletal malocclusion (bilateral mandibular prognathia and left mandible longer than the right and bowed laterally). This patient has no clinical signs that might be related to the bony right mandibular bony proliferation seen today - this was an incidental finding and the gross exam in this area was normal aside from the palpable bony proliferation. There is normal range of motion of the TMJs. My top differential is that this is an bony malunion from a old caudal right mandibular fracture. I'm requesting a second opinion to decide if this patient should be referred to a dermatologist for aural treatment or a surgeon for conventional CT with contrast and biopsy of this bony proliferation.

Abnormal PE/Chem/CBC/UA Results: None applicable

COMPUTED TOMOGRAPHIC STUDY OF THE TEMPOROMANDIBULAR JOINTS

Plain study available for review.

COMPUTED TOMOGRAPHIC FINDINGS

A granulated irregular bony proliferation bridges the medial aspect of the right caudal mandible to the right tympanic bulla. The lesion appears well integrated into the medial mandibular cortex without evidence of expansile behavior or aggressive osteolysis. Mild remodeling is associated with the medial aspect of the right temporomandibular joint and ventral petrous temporal bone. The right temporomandibular joint appears to be partially blocked by the new bone formation.

Diffuse bulla wall thickening and sclerosis are noted. Soft tissue attenuation fills part of the bulla lumen. Mild medial horizontal ear canal stenosis without discrete obstructive mass is seen.

COMPUTED TOMOGRAPHIC DIAGNOSIS

- Chronic bony proliferation forming caudal mandibular tympanic bridge extending to medial aspect of the right temporomandibular joint.
- Chronic right sided otitis media and externa presumably secondary to the bone proliferation.

INTERPRETATION OF FINDINGS & FURTHER RECOMMENDATIONS

The CT study reveals an osteoproliferative lesion between the right caudal mandible and right tympanic bulla as well as the right temporomandibular joint without overt aggressive biological behavior. Differential diagnosis includes benign osseous tumor such as osteoma, ossifying fibroma, fibro-osseous dysplasia, low grade malignancy such as multilobular tumor of bone or osteosarcoma, and less likely calcosinosis circumscripta, or post-traumatic malunion. Biopsy is indicated for further definition. Further progression of the bony proliferation may lead to restriction of the range of motion of the right temporomandibular joint.

The aural disease is likely a consequence of the osteoproliferative lesion.



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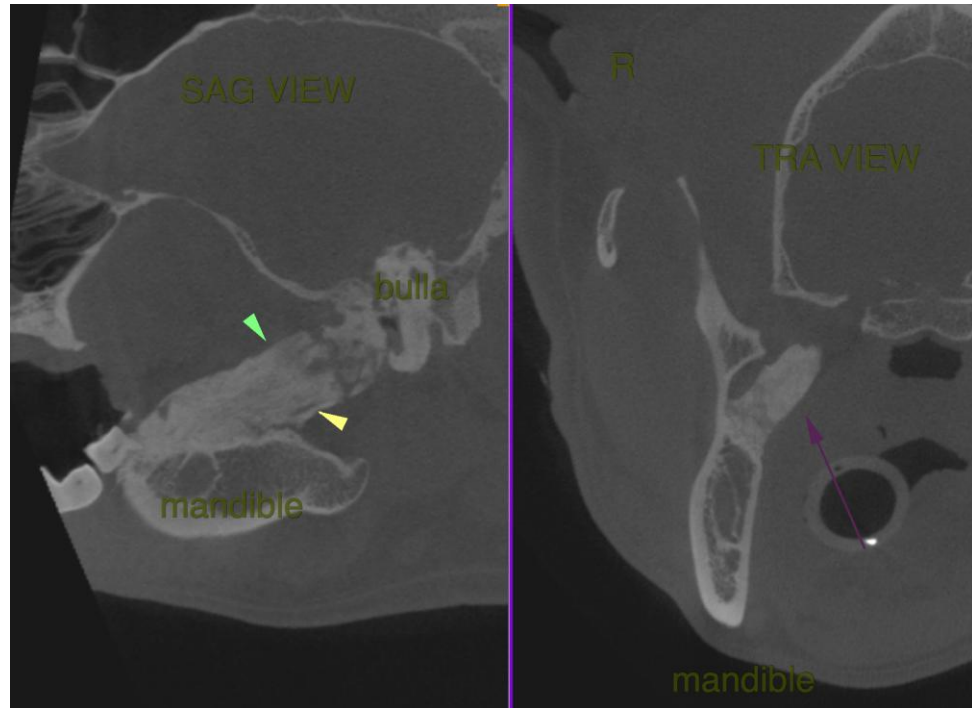
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

IMAGING PERFORMED BY

Alexa Jones

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