



PATIENT PRESENTING CLINICAL SIGNS

PATIENT Motor Emerson
PRESENTING CLINICAL SIGNS Referred for CT to further evaluate a mass dorsal to the hard palate. Motor has a history of multiple congenital abnormalities including angular limb deformities affecting all limbs, mandibular brachygnathism, and severe muscle wasting.

SPECIES Abnormal PE/Chem/CBC/UA Results: In addition to the above noted abnormalities the third eyelid of the right eye is elevated, erythematous, and thickened. No significant abnormalities on CBC, chem
Canine

COMPUTED TOMOGRAPHIC STUDY OF THE HEAD

BREED Plain and post contrast studies are available for review.
Great Pyrenees

COMPUTED TOMOGRAPHIC FINDINGS

SEX Marked mandibular shortening (brachygnathism) resulting in malocclusion is seen.

MN The masticatory musculature is diffusely reduced in volume bilaterally.

AGE Centered on the midline of the caudal half of the hard palate there is ~ 30 mm rostral to the caudal margin of the hard palate there is a 27 mm x 22 mm sized expansile mineralized mass. The lesion is characterized by heterogeneous appearance with peripheral mineralization and contrast enhancement surrounding a centrally hypoattenuating non-enhancing component. The lesion is associated with permeative osseous lysis of the adjacent palatine bones and expands dorsally into the nasal fundus and ventrally into the oral cavity.
4yr

INTERPRETED BY

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

No additional aggressive osseous lesions are seen.

The mandibular and retropharyngeal lymph nodes are within normal limits for size and morphology.

COMPUTED TOMOGRAPHIC DIAGNOSIS

HOSPITAL NAME
Healing Spirit Animal
Wellness

- Aggressive mineralized mass centered within caudal hard palate with associated aggressive bone lysis and partial airway obstruction
- Diffuse bilateral masticatory muscle atrophy
- Mandibular brachygnathism with secondary malocclusion
- No CT evidence of regional lymph node metastasis

REFERRING VET

Kristopher Flores

INTERPRETATION OF FINDINGS & FURTHER RECOMMENDATIONS

INVOICE

25002

The imaging findings are most consistent with aggressive osseous or odontogenic neoplasia arising from the hard palate. Differential diagnoses include osteosarcoma, multilobulated osteosarcoma, chondrosarcoma, ossifying fibroma and less likely odontogenic neoplasia. Chronic granulomatous or fungal osteomyelitis cannot be ruled out entirely but is considered by far less likely. No regional metastatic disease is identified.

DATE

06/02/2026

Histopathologic evaluation of the mass is strongly recommended for definitive diagnosis. Surgical consultation can be considered to assess resectability though complete excision may be challenging given the lesion's midline location and involvement of the hard palate and nasopharyngeal region.



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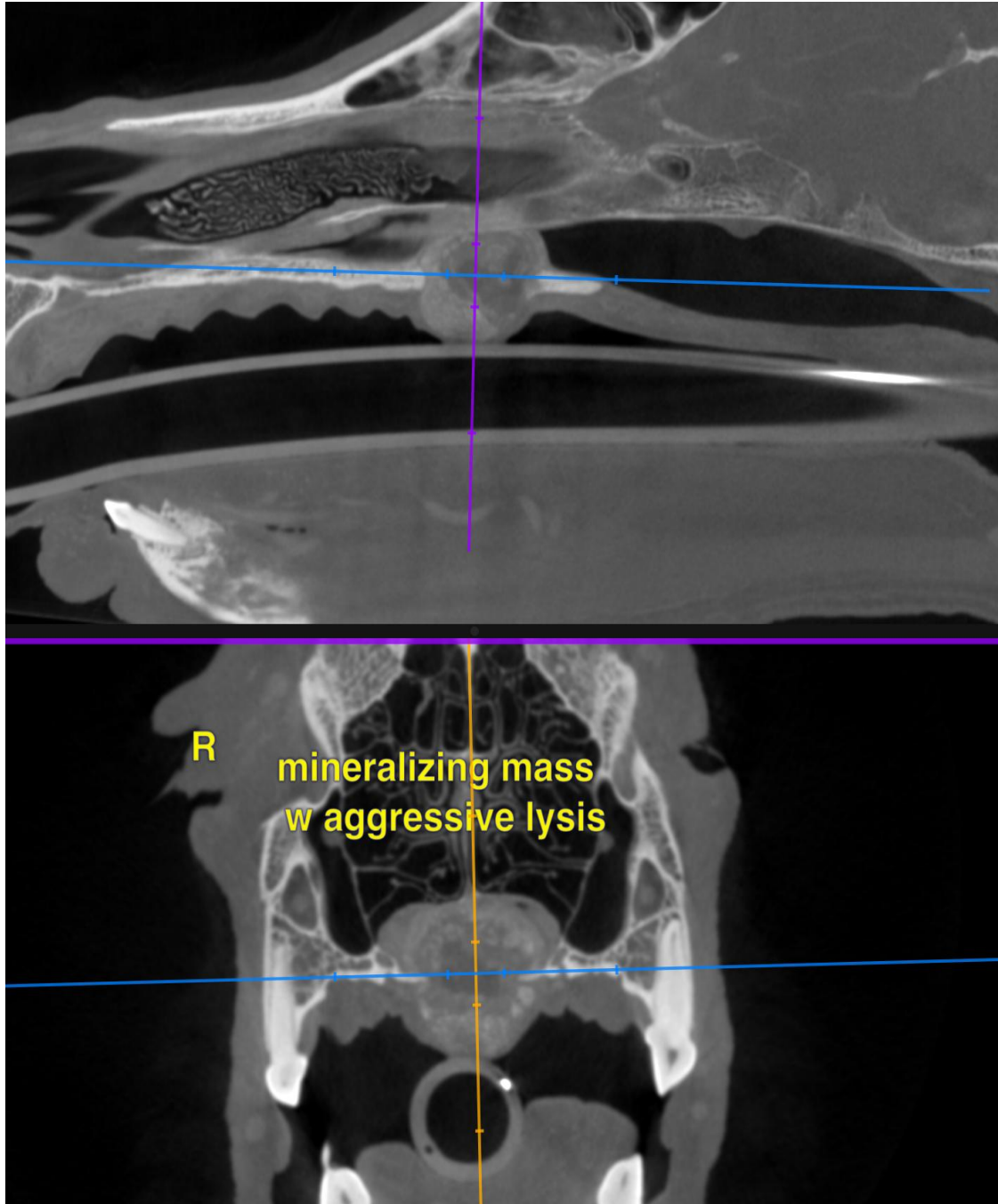
Kristopher Flores

INVOICE

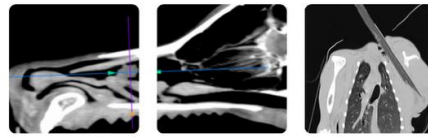
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not



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PATIENT visible in the image/video clips provided.

Motor Emerson 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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