



PATIENT

Thor Sienkiewicz

PRESENTING CLINICAL SIGNS

Pet presented for jaw pain February 2022, unremarkable radiographs at that time, and 2M antibody titers for Masticatory Myositis were sent out and pet was started on 2 mg/kg prednisone. The results came back negative but in the week awaiting test results pet's issues resolved. After weaning prednisone over the course of 2 weeks, pet developed significant muscle atrophy of the forehead. Prednisone was resumed and again issues resolved, but in discussing with owner performing a CT scan and collecting muscle biopsies for the neuromuscular lab, we elected to taper the prednisone and the last dose was given on 5/25/22, CT scan was performed 6/8/22.

SPECIES

Canine

BREED

Rottweiler

COMPUTED TOMOGRAPHY OF THE SKULL

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

COMPUTED TOMOGRAPHIC FINDINGS

SEX

The pictured parts of the dentition are complete and unremarkable in all jaw quadrants.

MN

The rostral margin of the left ramus of the mandible is mildly widened in comparison to the contralateral site. At the rostrolateral aspect of the left ramus of the mandible, small irregular mineralized bodies are visible. The rostral aspect of the left temporal muscle at the same level is subjectively mildly swollen with a mild heterogeneous contrast enhancement pattern.

AGE

5 Years

The alveolar process of the left maxillary bone presents a caudal protuberance of trabecular bone, considered as normal anatomical variant.

INTERPRETED BY

Sebastian Schaub, DVM
Dr. med. vet. DipECVDI

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.

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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.

REFERRING VET

Dr. Burge

The submandibular and medial retropharyngeal lymph nodes are small and elongated with a normal short-to-long-axis-ratio is < 0.5, the attenuation and contrast enhancement pattern is uniform.

INVOICE

52404

COMPUTED TOMOGRAPHIC DIAGNOSIS

- Mild irregular thickening rostral margin ramus left mandible with small dystrophic mineralization
- Very mild swelling temporal muscle level with the rostroproximal margin of the ramus of the left mandible

DATE

6-10-22



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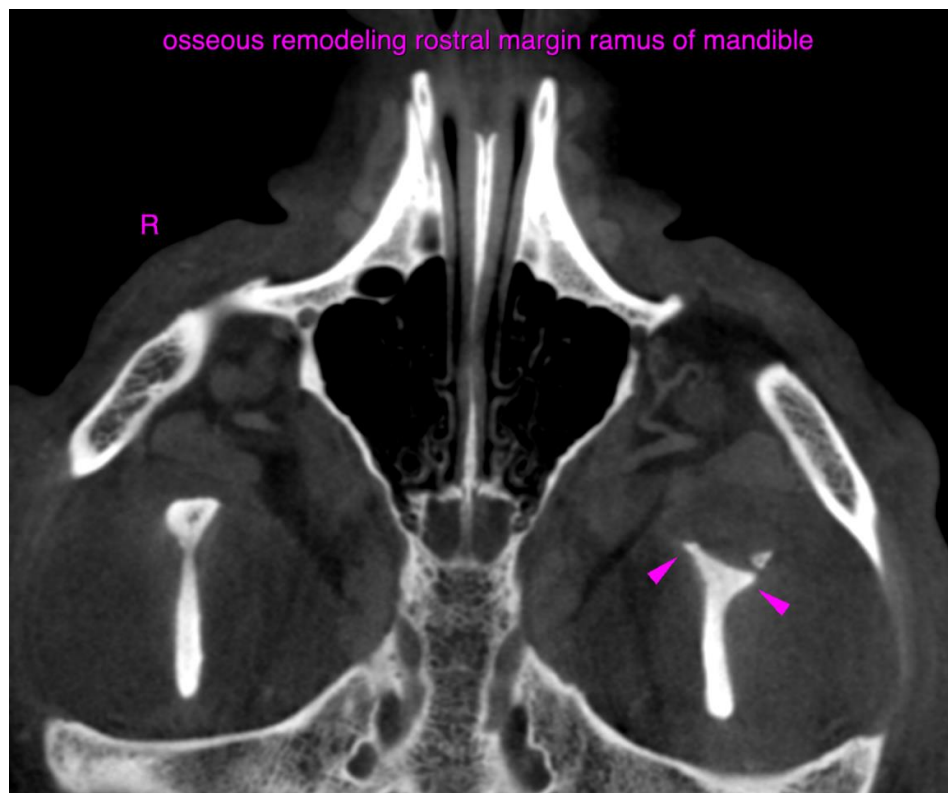
DATE

6-10-22

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The mild swelling of the temporal muscle with the heterogeneous contrast enhancement pattern at the rostroproximal aspect of the ramus of the left mandible is suggestive for local myositis and possible associated mild osteomyelitis of the left ramus of the mandible. Depending on the current clinical signs or if pain/swelling reoccurs, abscess formation needs to be considered – at this point no signs for accompanying lymphadenitis, supporting an infectious origin.

The altered shape and remodeling of the ramus of the left mandible can also be a sequela to the caudally elongated alveolar process, potentially mechanically interacting with the ramus of the left mandible when opening the mouth.





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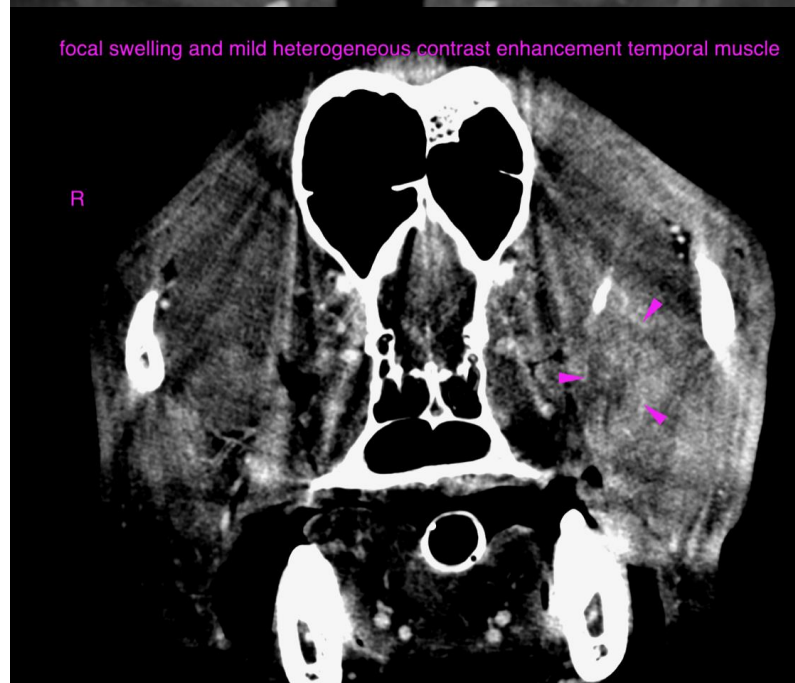
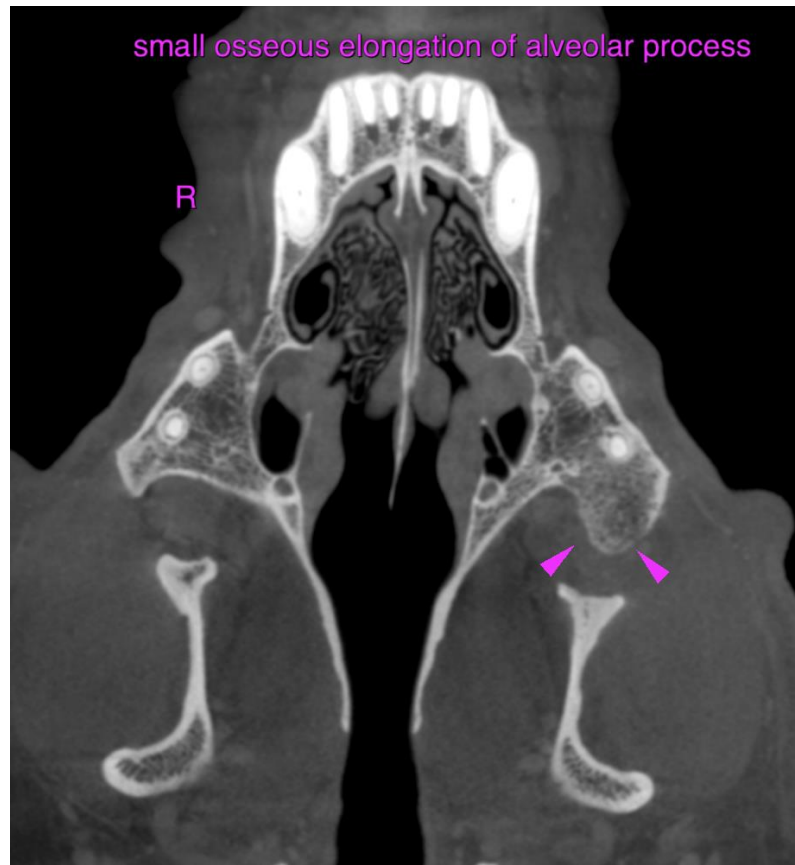
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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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