



PATIENT PRESENTING CLINICAL SIGNS

Zoey Lahay Pet has has swollen face for about 3-4 weeks. Treated at regular vet with Convenia and Buprenex- no improvement noted, so pet was referred for CT and dental with extractions. After CT was done, several teeth were extracted, including 104, and biopsies were taken via an incision in the R upper buccal mucosa.

SPECIES

Feline

COMPUTED TOMOGRAPHIC STUDY OF THE HEAD & CERVICAL

BREED

DSH

A pre- and post-contrast CT study of the head are provided for review totaling 3 series. One pre-contrast series of the head, soft tissue algorithm. Two post-contrast series of the head, soft tissue algorithm.

COMPUTED TOMOGRAPHIC FINDINGS

SEX

FS

AGE

13 Years

A moderate in size, elongated, soft tissue mass effect with partially defined border is seen contiguous to the right maxilla. The center of the soft tissue mass is located lateral to the nasal region adjacent to the triadan 104; however, the mass protrudes rostrally, affecting the upper lips. The mass effect has heterogeneous enhancing and predominately hypoattenuating areas. Due to the affected region and the partially defined border of the mass, the exact measurements are difficult. The mass measures approximately 2.1cm by 1.1cm by 1.4cm.

There is severe horizontal and vertical bone loss along the maxillae and mandibula, in association with mildly diffuse irregular osteoproliferative lesions in both sides of the maxillary bones and extending to the right zygomatic process of the maxilla and right zygomatic bone. A thin line of cortical bone discontinuity is seen adjacent to the body of the maxilla, adjacent of the triadans 108 and 208.

INTERPRETED BY

Tilde Rodrigues Froes, DMV, MSc., Dr. Med Vet., Dipl. CBraRVet

In addition, other more exacerbated resorptive lesion are seen adjacent to other triadans including the triadans 104, 204, 108, 208 and 407.

The right bulla cavity is mildly filled with a predominantly hypoattenuating fluid material. The left bulla cavity and external auditory canals are normal.

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The nasal cavities, turbinates, choana, nasopharynx, and larynx are normal.

The cribriform plate is intact.

REFERRING VET

Dr. Provc

The frontal sinuses are unremarkable.

No mass effect is seen in the brain, normal attenuation.

The temporomandibular joints are bilaterally congruent.

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The globes and retrobulbar spaces are unremarkable.

The medial retropharyngeal lymph nodes and mandibular lymph nodes are unremarkable.

DATE

8-24-23

The left thyroid gland is mildly enlarged, more rounded in shape, and homogeneously enhancing. It measures 1.7cm x 0.45cm. The right thyroid gland measures 1.5cm x 0.42cm.



PATIENT

Zoey Lahay

In the edge of the collimation, a moderate periarticular ossification and multiple mineral osseous bodies are seen adjacent to the left scapulohumeral joint.

COMPUTED TOMOGRAPHIC DIAGNOSIS

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- Moderate in size facial soft tissue mass effect adjacent to the right maxillary, upper lips, and extending to close to the right side of the nose. The differential diagnosis includes soft tissue neoplasm, for example, melanoma or squamous cell carcinoma, benign granulomatous lesion and severe soft tissue inflammation due to severe dental disease. Contiguous soft tissue swelling.

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- Severe diffuse periodontal disease and more exacerbated resorptive lesion adjacent to the topographic region of the absent triadan 104, and contiguous to the soft tissue mass, and other triadans 204, 108, 208 and 407. The differential diagnosis includes focal osteomyelitis.
- Two fissure lines are suspected in the body of the maxilla adjacent to the triadans 108 and 208.
- Mild hypoattenuating fluid material within the right tympanic cavity. The differential diagnosis includes otitis media.

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- Mildly enlarged left thyroid gland, the differential diagnosis includes nodular hyperplasia, adenoma, less likely adenocarcinoma.
- Left shoulder osteoarthritis and multiple mineral osseous bodies.

AGE

13 Years

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The tomographic findings of the right facial region and nose indicate a soft tissue mass with partially defined border in the right maxilla. It is possible that this is not only correlated to severe dental disease; however, the differential diagnosis includes soft tissue neoplasm, for example, squamous cell carcinoma or melanoma, or other neoplasm processes such as cutaneous lymphoma, fibrosarcoma, mast cell tumor, or fibroma. As performed, a biopsy is required for the diagnosis.

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Severe dental disease, likely concurrent osteomyelitis, and tooth resorption disease are also differential diagnoses.

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Due to the identified enlarged left thyroid, a laboratory analysis to identify hyperthyroidism is suggested, if not previously performed.

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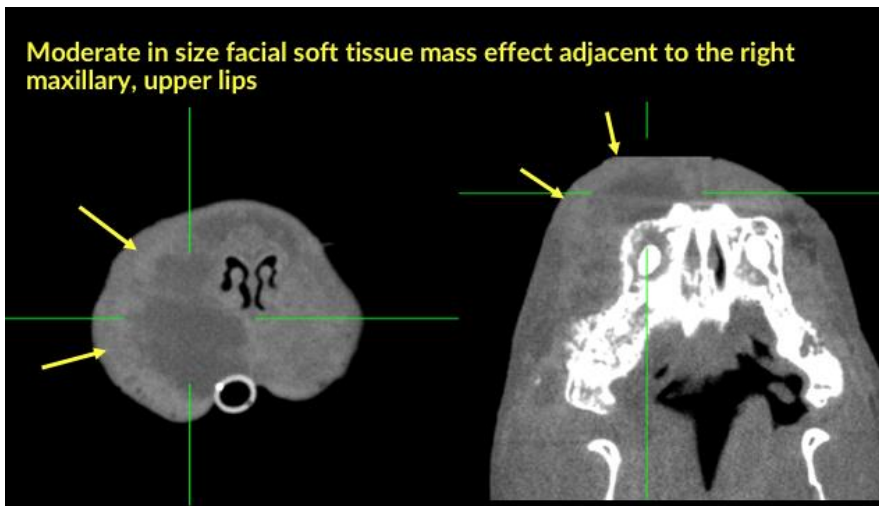
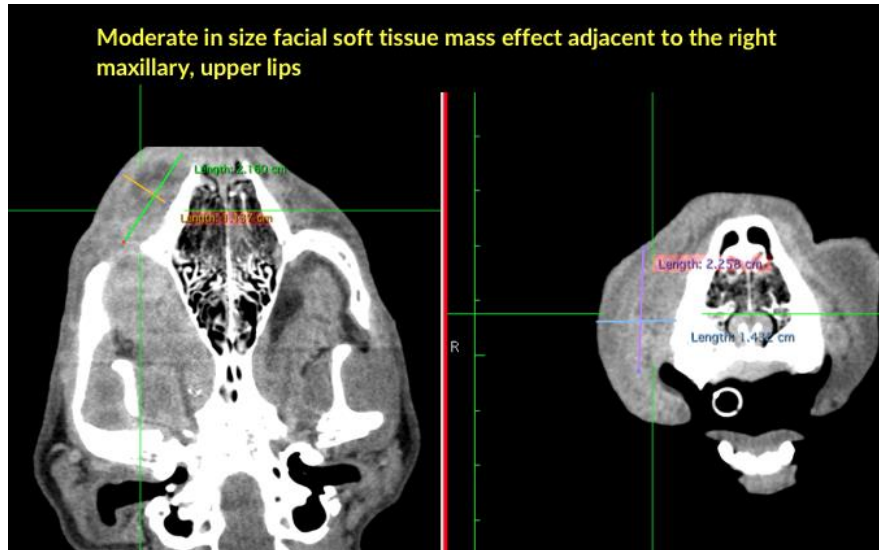
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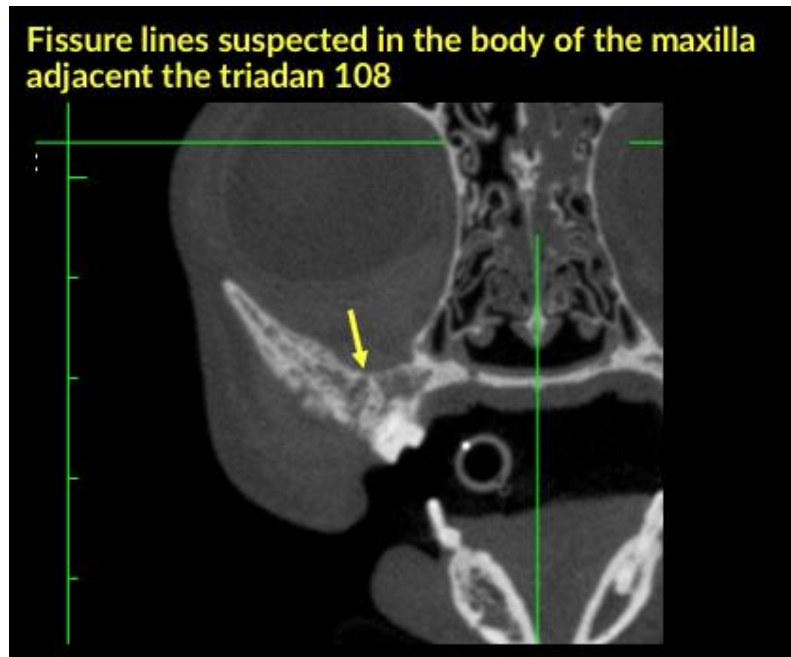
Dr. Provci

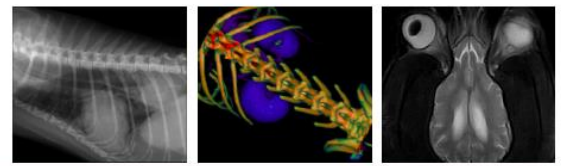
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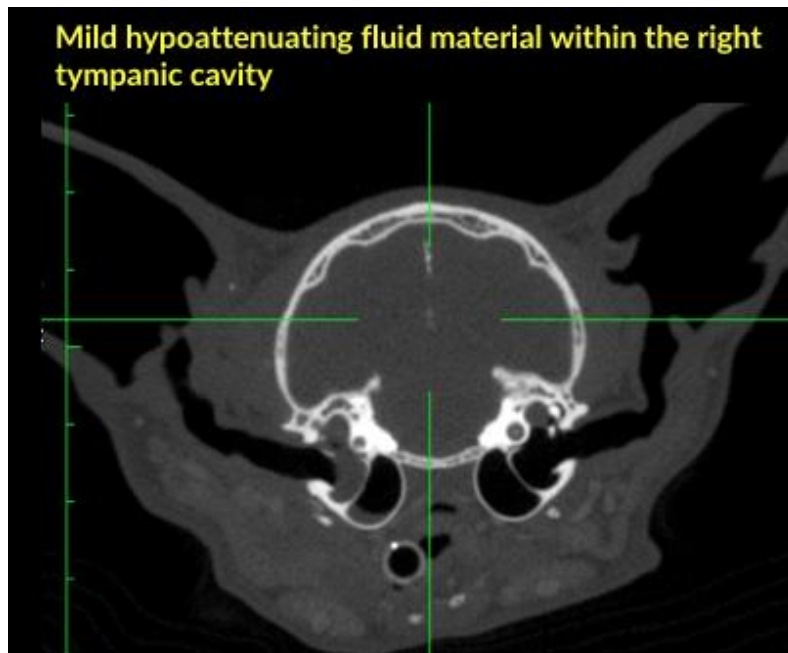
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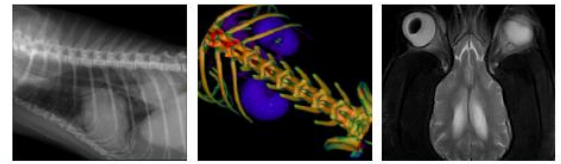
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Fissure line suspected in the body of the maxilla adjacent the triadan 208



Mild hypoattenuating fluid material within the right tympanic cavity





PATIENT 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.

Zoey Lahay

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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