



PATIENT PRESENTING CLINICAL SIGNS

PATIENT Buster Farrall 18/04/2023: swelling LHS face under L eye and neck area. Similar issues before, resolved with NSAIDs and abs. Tooth root abscess? booked for dental. Dental notes Radiograph Comments: vertical bone loss >50% on upper left premolars (all extracted) Comments: severe gingivitis and gum recession 208 (extracted). 1cm soft mass on upper left oral mucosa - biopsy taken for histology. FNA from L submandibular LN and salivary gland. 30/05/2023: LHS hard swelling under eye soft swelling on neck same side same issues 1 month ago O started him on meloxicam Physical Examination/Findings: not painful hard proximal and soft distal part needle sample no fluid came out Diagnosis: open abscess? salivary mucocele? other? 10/06/2023: Swelling getting worse overnight and this am. Leaking fluid from skin - serosanguinous. Physical Examination/Findings: BAR but ++ swelling L side, firm, painful, oozing. Clipped L side face, firm swelling with soft area and bruised skin overlying. 3ml sanguinous pus drained, so surgical prep and lanced. ++ pus removed, then flushed with saline until clear. Some flocculent material but no FB seen. Some swelling inside mouth but no apparent communication with abscess from salivary ducts nor maxillary arcade, teeth. CT as next step.

SPECIES Canine

BREED Shih Tzu

SEX COMPUTED TOMOGRAPHIC STUDY OF THE HEAD

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

AGE COMPUTED TOMOGRAPHIC FINDINGS

AGE 8 Years There is a tortuous cavitary mass effect contiguous to the lateral margins of the left masseter muscle and adjacent subcutaneous soft tissue; the mass effect has a partially defined enhanced wall and hypoattenuating fluid center, but not a clearly marginated border or pathway. In addition, there is a tiny, opaque mineral structure contiguous with the mass that measures 0.21cm. Adjacent subcutaneous fat stranding is also identified. The subcutaneous fat stranding and swelling extends close to the left salivary gland and travels close to the ipsilateral parotid gland; however, the salivary gland and parotid gland are normal in size, shape, and attenuation.

INTERPRETED BY

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

The right parotid and salivary glands are unremarkable.
The right and left zygomatic glands are mildly enlarged and heterogeneously enhanced.

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Some absent teeth are identified including the triadans 205, 206, 207, 208. A more evident resorptive alveolar bone lesion is noted in the left maxilla in the topographic region of the absent triadan 208, with small regional oral soft tissue mass effect. The mandibular triadan 301 is missing, otherwise all mandibular teeth are present. There is diffuse horizontal and vertical bone loss along the remaining maxillary and mandibular teeth.

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Laura Blackwell

The retrobulbar spaces are unremarkable, bilaterally.
The cribriform plate is intact.

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The nasal cavity and frontal sinuses are unremarkable.
The tympanic bullae and external auditory canals are normal.

DATE

6-21-23



PATIENT The left medial retropharyngeal lymph nodes and left mandibular lymph nodes are mildly enlarged, with homogeneous attenuation. The right medial retropharyngeal lymph nodes and right mandibular lymph nodes are unremarkable.

Buster Farrall

No mass effect or abnormal attenuation is seen in the brain.

SPECIES

Canine

The left thyroid gland is enlarged, rounded, with mass effect appearance, heterogeneous attenuation, and enhancement measuring approximately 1.7cm x 1.6cm x 1.5cm. The right thyroid gland is unremarkable.

BREED

Shih Tzu

The hyoid apparatus and nasopharynx are unremarkable.

COMPUTED TOMOGRAPHIC DIAGNOSIS

SEX

Male

- Left side, contiguous and in the lateral border of the masseter muscle, tortuous mass effect with tiny mineral attenuating foreign material, microlithiasis. The differential diagnosis includes an abscess; however, the lesion is in the topographic region of the parotid duct. The differential diagnosis includes inflammation of the parotid duct or a partial obstructive lesion.

AGE

8 Years

- Concurrent adjacent soft tissue swelling and inflammation.
- Left-sided retropharyngeal and mandibular lymphadenitis.
- Multiple absent left-side maxillary teeth, including the triadans 205, 206, 207, and 208, correlated to previous extractions.
- Focal resorptive alveolar bone loss, adjacent to the topographic region of the extracted triadan 308. The differential diagnosis includes focal osteomyelitis.

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- Absent mandibular triadan 301
- Diffuse periodontal disease.
- Zygomatic gland sialadenitis, bilaterally.
- Left-side thyroid mass. The differential diagnosis includes thyroid neoplasms, for example, thyroid adenoma or thyroid carcinoma.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATION

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The soft tissue abscess and inflammation in the left ventral cervical/facial region are in the topographic region of the left sided parotid duct and could be correlated to inflammation and/or partial obstruction of this structure. For the tiny mineral attenuating structure, consider as a differential diagnosis an iatrogenic surgical suture, if performed after the draining process of the lesion. More prolonged therapy with broad-spectrum antibiotics for the oral cavity and analgesics could be considered. If the lesion persists after drainage procedure, a cervical ultrasound exam could be considered for the next step of evaluation to confirm the location for better exploration of the tiny mineral structure adjacent to the mass. In addition, a cervical ultrasound and guided fine needle aspiration are suggested for further evaluation of the left thyroid mass.

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PATIENT

Buster Farrall

SPECIES

Canine

BREED

Shih Tzu

SEX

Male

AGE

8 Years

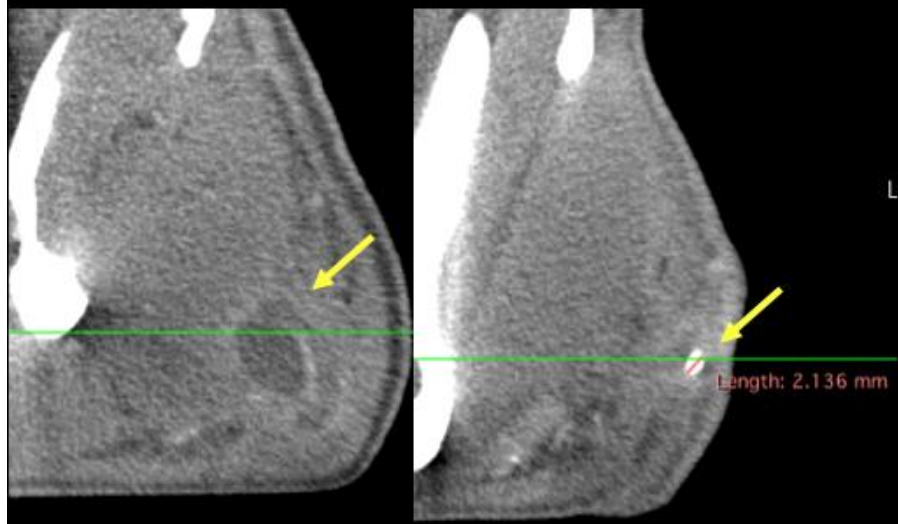
Left side, contiguous and in the lateral border of the masseter muscle, tortuous mass effect



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Left side, contiguous and in the lateral border of the masseter muscle, tortuous mass effect with tiny mineral attenuation foreign material



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PATIENT

Buster Farrall

SPECIES

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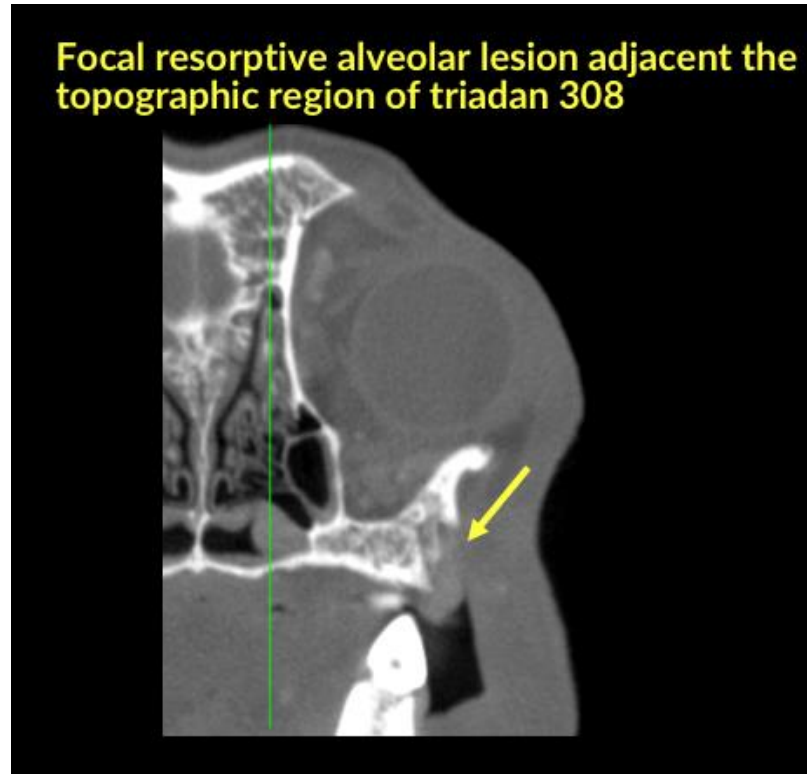
Shih Tzu

SEX

Male

AGE

8 Years



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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.

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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.

DATE

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