



PATIENT PRESENTING CLINICAL SIGNS

Captain Blanchard History: Captain is doing worse according to owner. Did not do better on the steroids. Previous: He has had discharge from the left eye with swelling below the eye for approximately 1 month and has been receiving NeoPolyDexamethasone. Captain had a dental 2-3 weeks ago and at that time, it was elected to perform a nasolacrimal duct flush. According to rDVM record, the upper ducts were able to be flushed as well as the lower right puncta but not the lower left puncta.

SPECIES

Canine

COMPUTED TOMOGRAPHIC STUDY OF THE SKULL

BREED

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

Weimaraner

COMPUTED TOMOGRAPHIC FINDINGS

SEX

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

Neutered Male

The nasal cavity presents the expected aerated spaces between thin & even conchae and turbinates with smooth mucosal lining.

AGE

1 Year 4 Month

At the rostromedial angle of the left orbital cavity, the lacrimal bone presents a well-defined expansile, gas filled lesion, depressing the osseous lamina into the left nasal cavity. The cavitory lesion is measuring 19 x 15 x 20 mm. After contrast administration to the left lacrimal duct, no contrast can be appreciated within the cavitory bone lesion.

INTERPRETED BY

Sebastian Schaub, DVM
Dr. med. vet. DipECVDI

Both temporomandibular joints present congruent joint spaces with even subchondral bone surfaces and are considered within normal limits.

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.

HOSPITAL NAME

Mobile Pet Imaging

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. Ciruta

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.

The odontoid peg is isolated from C2.

INVOICE

23550

COMPUTED TOMOGRAPHIC DIAGNOSIS

- Monostotic benign expansile osteolytic cavitated lesion region of left lacrimal bone – without proofed connection to lacrimal system

DATE

7/20/23

- Os odontoideum



PATIENT INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Captain Blanchard

The CT study presents evidence of connection between the expansile mass and the rostral segment of the lacrimal duct. There is no evidence of connection of the expansile cavitory lesion with a dental root at the same level. The top differential here is a Dacryops – a benign cystic lacrimal gland tissue neoplasm – possibly due to small sequestration/‘immigration’ of duct epithelium into the maxillary bone (history of traumatic insult). Nasal marsupialization is the treatment option of choice.*

SPECIES

Canine

The odontoid bone can be a sequela to failure of the ossification center of the dens to fuse with the vertebral body of C2 or is a sequela to early trauma and fractured growth plate. The finding might be incidental but can be associated with atlantoaxial instability.

BREED

Weimaraner

* Steinmetz, A., von Bomhard, W., & Mülling, C. (2021). Dacryops with extensive lacrimal and maxillary bone defects in four dogs. Veterinary Ophthalmology, 24(2), 195-202.

SEX

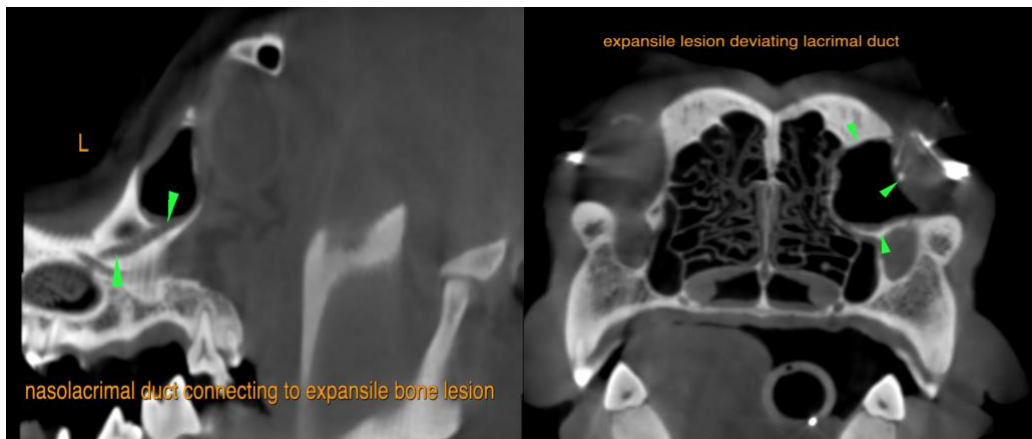
Neutered Male

AGE

1 Year 4 Month

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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.

REFERRING VET

Dr. Ciruta

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.

Sebastian Schaub, Sebastian Schaub, DVM, Dr. med. vet. DipECVDI
info@sonopath.com

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SEX

Neutered Male

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