



PATIENT

Lionel Mercer

SPECIES

Rabbit

BREED

Lop

SEX

MN

AGE

7Y

WEIGHT

2.12kg

PRESENTING CLINICAL SIGNS

- ~6 weeks ago, Lionel started to have the contracture of the left side of his face - originally waxed and waned but now is constant.
- no reported chronic ear or dental disease problems
- Owner reports unilateral chewing and more facial asymmetry prior to abx, now that abx are done they have not noticed the unilateral chewing and more subtle asymmetry
- Otherwise nothing else has changed - E/D ok, no pee accidents. He is energetic and mischievous - steals chip bags and pop tarts still.
- No discharge from L ear previously - on scan day there was notable left nasal and eye discharge
- no change in ear position with contracture. Hearing has gone down since this problem started - not completely deaf.
- Has glaucoma, stable with meds - being managed by Calgary Animal Eye Care
- - Discontinuing TMS 30mg/kg - discontinued ~2 weeks
- - Gabapentin PO BID (5am/5pm)
- - Lantaprost OD TID (5am/1-2pm/5pm)
- - Azopt OD TID (5am/1-2pm/5pm)
- - Diclofenac OD BID (5am/5pm)
- O also has previously given Meloxicam - last dose given Feb 21st

Abnormal PE/Chem/CBC/UA Results: None applicable

INTERPRETED BY

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

COMPUTED TOMOGRAPHIC STUDY OF THE HEAD

A non-contrast CT study of the head is provided for review totaling 3 series. One pre-contrast series of the head transverse bone algorithm. Two pre-contrast series of the head reformat bone algorithm.

IMAGING PERFORMED BY

Alexa Jones

COMPUTED TOMOGRAPHIC FINDINGS

HEAD

There is a moderate, multifocal accumulation of mixed-attenuating material within the nasal cavities. The material is predominantly hypoattenuating, with scattered hyperattenuating foci suggestive of mineralized or inspissated mineral content. On the right side, this material extends into the ventral maxillary recess, which appears mildly expanded.

HOSPITAL NAME

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Dentistry

The dentition is within normal limits. There is no evidence of apical elongation, periapical lucency, or alveolar bone lysis. The cheek teeth and incisors are symmetrical.

REFERRING VET

Dr. Nicole Sereda

Both tympanic bullae are filled with soft tissue attenuating material, with preservation of the bony margins. Additionally, mixed-attenuating material is present within the horizontal portions of both external ear canals.

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The globes are asymmetrical. The right globe is enlarged (approximately 2.1 cm), compared to the left (approximately 1.7 cm), consistent with buphthalmia.

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The remaining evaluated cranial structures are within normal limits.

The medial retropharyngeal lymph nodes are unremarkable.



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COMPUTED TOMOGRAPHIC DIAGNOSIS

- Moderate bilateral rhinitis characterized by accumulation of mixed-attenuating intranasal material, with extension into the right ventral maxillary recess. Differential diagnoses include inflammatory, allergic, or infectious rhinitis. A fungal etiology should be considered given the presence of multifocal aggregated and partially mineralized material.
- Bilateral otitis media with concurrent involvement of the external ear canals, without evidence of aggressive osseous changes.
- Right sided buphthalmia, consistent with the reported history of glaucoma.
- No tomographic evidence of clinically significant dental disease.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

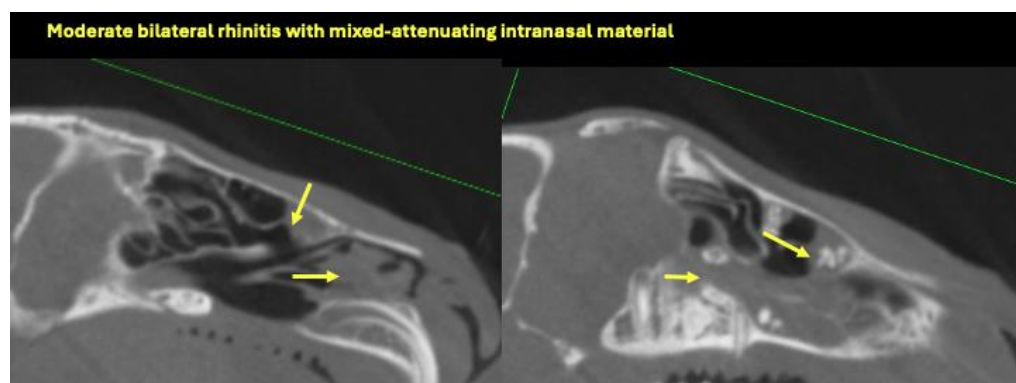
The tomographic findings support a combined upper respiratory and otic disease process. The presence of mixed-attenuating material within the nasal cavities, extending into the right maxillary recess, is most consistent chronic rhinitis. A fungal etiology remains an important differential, particularly given the presence of heterogeneous and partially mineralized material. Additionally, there is suspected partial obstruction of the right nasolacrimal duct; however, there is no CT evidence of dental disease causing regional compression.

If feasible, nasal cavity sampling (flush and/or biopsy) is recommended for cytology, bacterial culture, and fungal testing.

Concurrent bilateral otitis media and externa are identified and may explain the reported reduction in hearing. Otosopic examination with sampling (cytology and culture) of the external ear canals is recommended.

Right sided buphthalmia is consistent with the known history of glaucoma. The findings raise concern for secondary glaucoma, potentially associated with underlying uveitis. In rabbits, infectious etiologies such as *Encephalitozoon cuniculi* should be considered. Continued ophthalmologic management is recommended, with consideration for adjunct diagnostic testing if clinically indicated.

No tomographic evidence of dental disease is identified, making an odontogenic origin unlikely.





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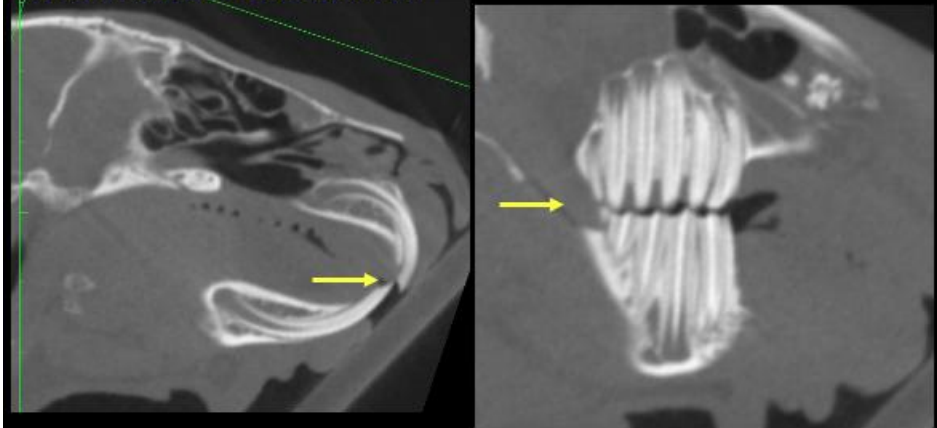
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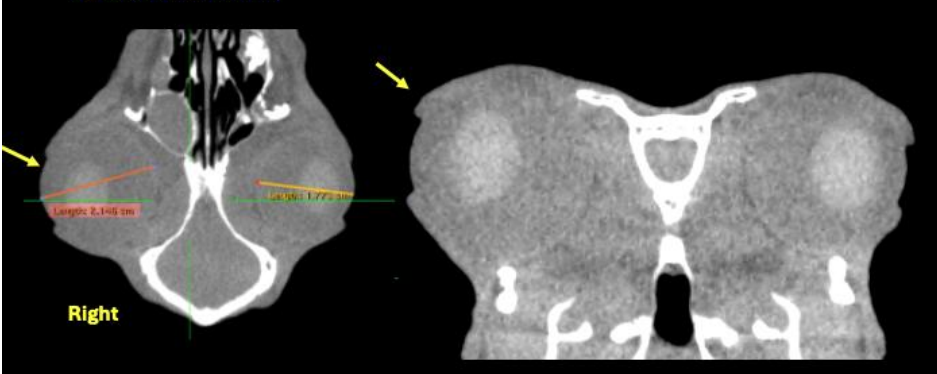
Moderate bilateral rhinitis with mixed-attenuating intranasal material extending into the right ventral maxillary recess



Normal and symmetrical dentition



Right-sided buphthalmia





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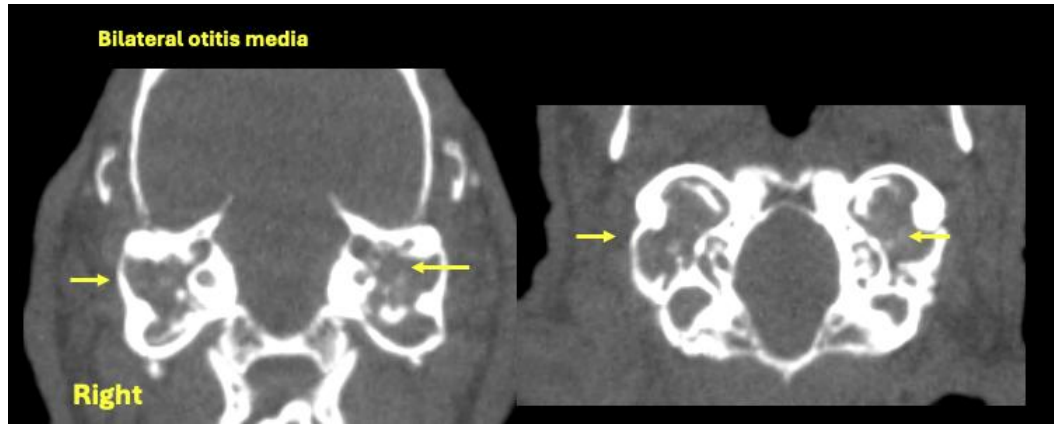
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

Tilde Rodrigues Froes, DMV, MSc., Dr. Med.Vet., Dipl.CBraRVet
info@sonopath.com