



PATIENT PRESENTING CLINICAL SIGNS

Yoshi Kish Yoshi had presented on 7/7 with unilateral (right) nasal discharge for 24 hours and a decrease in appetite. No blood or mucous. Sneezing and coughing noted. The client had noted lethargy at home but Yoshi was BAR in clinic. Yoshi also has a stiff gait and likely arthritis.

SPECIES Abnormal PE/Chem/CBC/UA Results: Chemistry - SDMA 18 (0-14). Elevated. Was 13 in 9/2021. Creatinine 1.5 (0.5-1.5). Was 1.5. BUN 59 (9-31). Elevated. Values suggest changes in kidney function. - Canine ALT 151 (18-121). Was 224. ALP 455. Was 349. - CPL 282. Mild elevation. Was 976 in 8/2021. - Thyroid - T4 0.9 (1-4). Low.

BREED COMPUTED TOMOGRAPHY OF THE SKULL

Soft-Coated Wheaton Terrier

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

COMPUTED TOMOGRAPHIC FINDINGS

Mineral attenuating material is attached to the crowns of all premolar and molar teeth. Multiple sclerotic foci are appreciated along the ventral aspect of the alveolar crest of multiple mandibular teeth - suspect small bone infarcts.

SEX

Neutered Male

The mucosal lining of the right nasal opening presents mild irregular margins. The nasal cavity presents the expected aerated spaces between thin & even conchae and turbinates with smooth mucosal lining. The right turbinalia presents focal nodular osseous turbinate hyperplasia - incidental.

AGE

13 Years

The volume of the right temporal & masseter muscle is moderately decreased.

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

INTERPRETED BY

Sebastian Schaub, DVM
Dr. med. vet. DipECVDI

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

Williamsport West Veterinary Hospital

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. Level with the origin of the right trigeminal nerve, a contrast enhancing nodular lesion, measuring 2 x 3 x 4 mm is noted. The pituitary gland is enlarged and bulging dorsally beyond the osseous margins of the pituitary fossa, measuring 6 x 6 x 5 mm. The ventricular system is non-dilated and symmetric.

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.

REFERRING VET

Jennifer L Slotterback, DVM, CVA

COMPUTED TOMOGRAPHIC DIAGNOSIS

- Neurogenic muscle atrophy right masticatory muscles
- Intracranial extraaxial nodular lesion region of the origin of the right trigeminal nerve
- Nodular enlargement pituitary gland
- Dental tartar
- Suspect dried mucus attached to mucosal lining of right nasal opening

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PATIENT INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Yoshi Kish The main finding is an extraaxial lesion level with the base of the right trigeminal nerve, suggestive for peripheral nerve sheath tumor, neuritis or less likely other extraaxial nodular lesion – such as meningioma, granuloma, round cell tumor. Secondary neurogenical atrophy of the ipsilateral muscles of mastication. An MRI study can be considered for further differentiation.

SPECIES

Canine The enlarged pituitary gland is highly suggestive for (non)functional pituitary adenoma or less likely carcinoma.

BREED

Soft-Coated Wheaton Terrier A specific underlying cause for the recent onset of sneezing is not identified, but the dried material attached to the mucosal surface of the right nostril. The upper airways present without additional abnormalities.

SEX

Neutered Male

AGE

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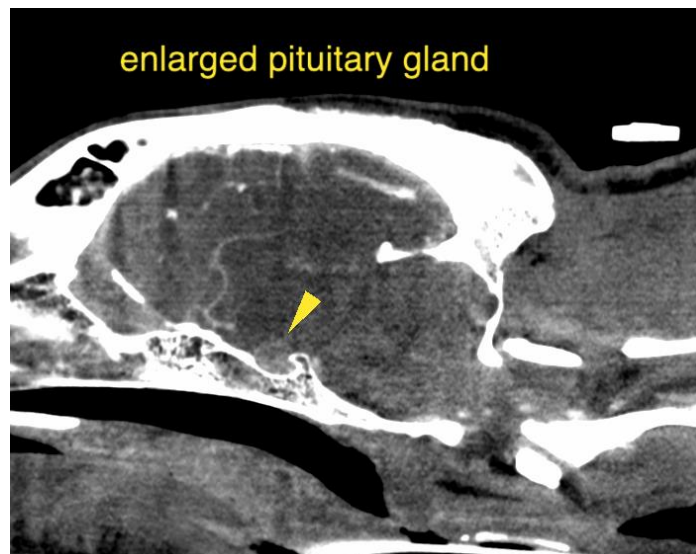
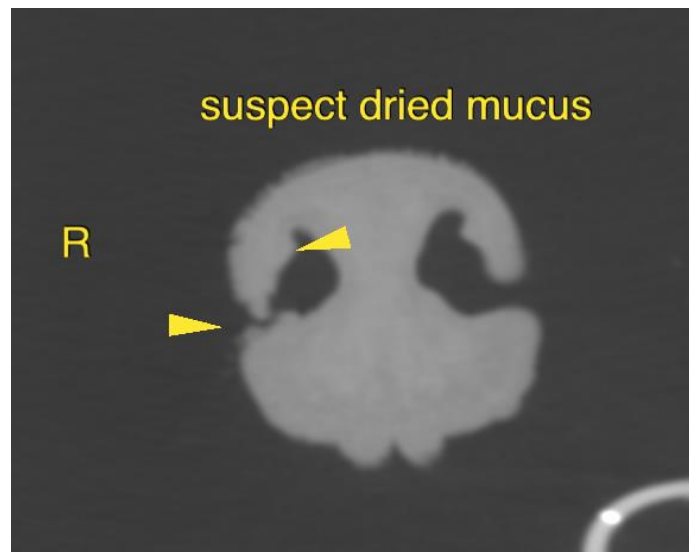
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PATIENT

Yoshi Kish

SPECIES

Canine

BREED

Soft-Coated Wheaten
Terrier

SEX

Neutered Male

AGE

13 Years

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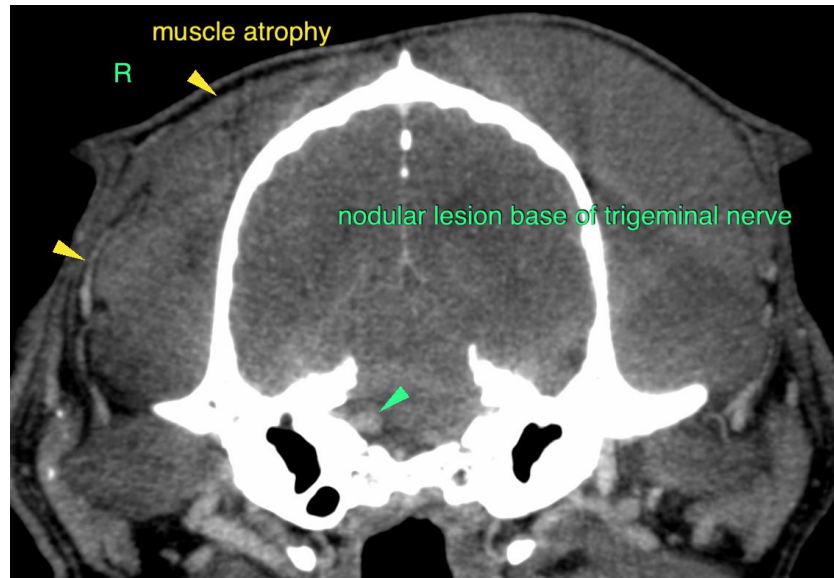
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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