



PATIENT

Cooper Paradis

PRESENTING CLINICAL SIGNS

trouble breathing. discharge from nose

COMPUTED TOMOGRAPHY OF THE SKULL

SPECIES

Canine

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

BREED

Pug X

COMPUTED TOMOGRAPHIC FINDINGS

The tooth element 202, 305, 311, 405 and 411 are absent. A supernumerary tooth element 101 is present. Triadan 105 presents a moderate widening of the periodontal space and lysis of the apical segment of the respective root. Triadan 102 209 present a mild to moderate widening of the periodontal space. A small, retained fragment of the tooth root of triadan 202 is seen, with focal lysis of the alveolar bone.

SEX

MN

In the ventral aspect of the right nasal cavity, extending in the ventral nasal meatus from the level of triadan 105 caudally up into the choana, a fusiform shaped, peripherally shell-like mineralized mass is seen, occupying 100% of the cross-sectional area of the choana. The center of the fusiform mass is soft tissue attenuating with equivocal contrast enhancement. The right alveolar process of the right maxillary bone presents osteolytic lesions, communicating with the alveolar crest of the mesial roots of triadan 108 and mesial root of triadan 107. In the right nasal cavity, a moderate amount of non-contrast enhancing soft tissue material is attached to the nasal mucosal lining.

AGE

10 Years

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.

A very mild amount of fluid attenuating material is attached to the mucosal lining of the right tympanic bulla. The external ear canals are within normal limits.

HOSPITAL NAME

Bridgewater
Veterinary Hospital
and Wellness Centre

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.

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

Dr. Sra

The vertebral endplates C2/C3 present moderate spondylosis formation.

COMPUTED TOMOGRAPHIC DIAGNOSIS

INVOICE

49428

- Peripheral mineralized fusiform mass ventral aspect right nasal cavity with complete upper airway obstruction
- Periodontal abscess formation 107&108, potentially communicating with the right nasal space occupying lesion
- Right sided rhinitis
- Periodontal disease 102 and 209
- Multiple absent teeth
- Supernumerary tooth element 101

DATE

1-10-22



PATIENT

- Current state post right sided otitis media

Cooper Paradis

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

SPECIES

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Given the benign appearing imaging features of the right nasal mass I consider the odds for either benign inflammatory nasal (polypoid) adenoma or odontogenic granuloma high. Especially the latter diagnosis is supported by a potential draining tract from the alveolar crests of triadan 107&108 to the mass. However, malignant nasal neoplasm such as adenocarcinoma, chondrosarcoma, osteosarcoma need to be ruled out by histopathology.

BREED

Pug X

I would recommend extraction of the respective teeth with biopsy from their alveolar crests and, if applicable, endoscopic resection of the right nasal mass occluding the choana, including sampling for biopsy.

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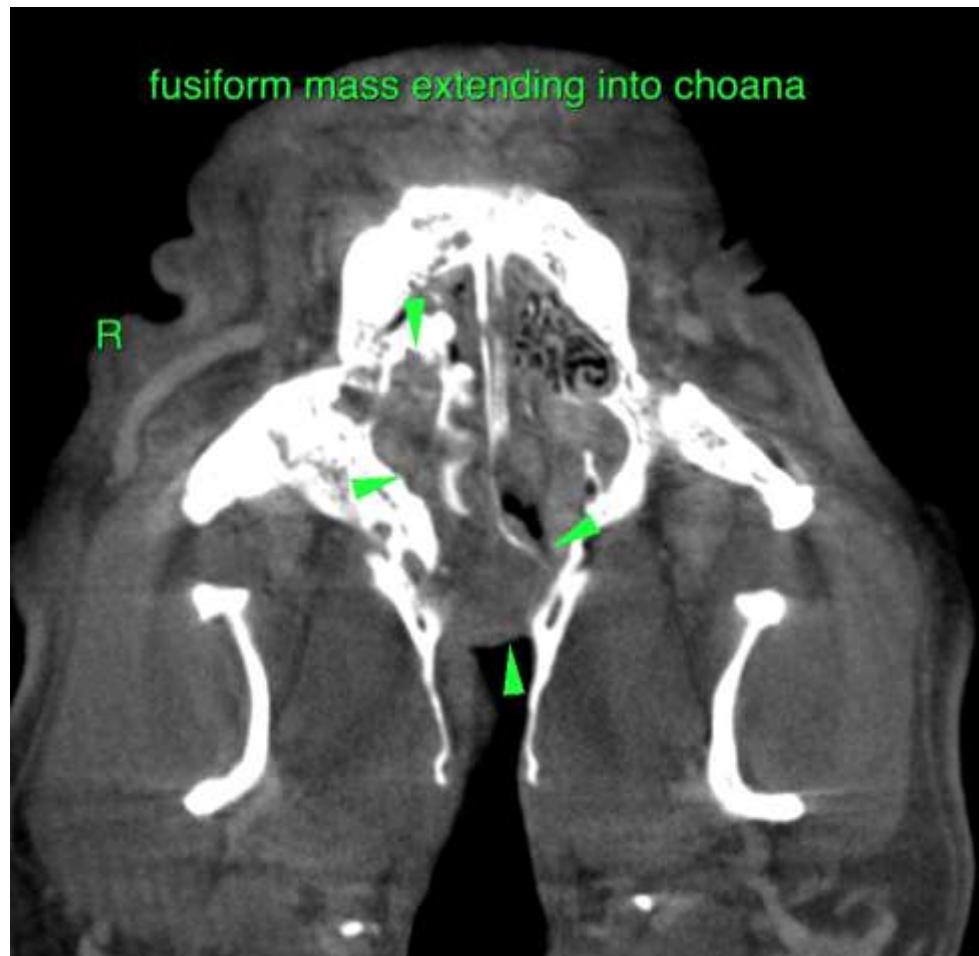
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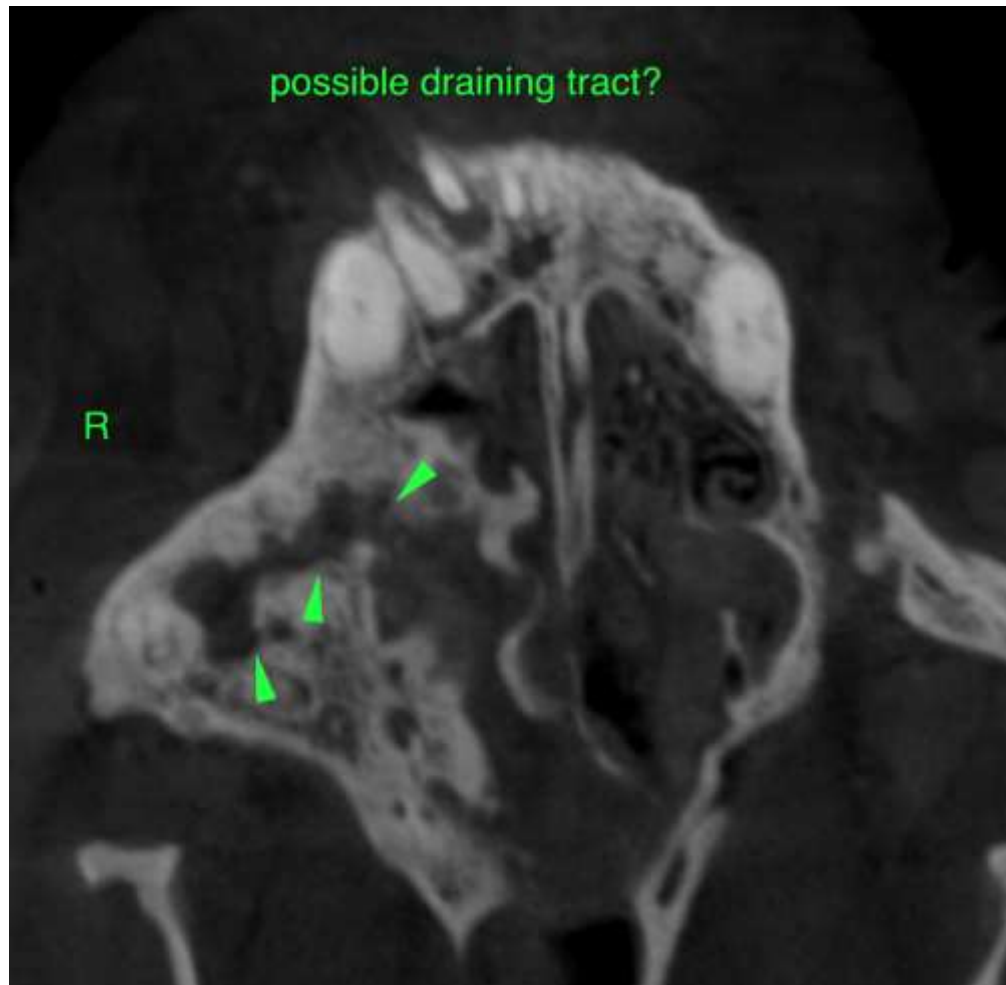
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

Sebastian Schaub, Sebastian Schaub, DVM, Dr. med. vet. DipECVDI
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