



**PATIENT PRESENTING CLINICAL SIGNS**

Ollie Pease History: Ollie presented for Rhinoscopy . This was first noted June 2nd 2021 and grew over ~ ~ period.  
Abnormal PE/Chem/CBC/UA Results:

**SPECIES COMPUTED TOMOGRAPHIC STUDY OF THE SKULL AND THORAX**

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

**COMPUTED TOMOGRAPHIC FINDINGS**

**BREED**

Pomeranian

**Skull:**

The tooth elements 106, 206, 311 and 411 are absent. A persistent deciduous tooth 606 is present.

**SEX**

Neutered Male

A moderate to marked amount of non-contrast enhancing soft tissue material is attached to the nasal mucosal lining bilaterally. Post contrast administration, the nasal mucosal lining is moderately thickened and smooth. The choanal region is moderately narrowed by the osseous lining and the mucosal lining causes complete obstruction of the choanal region. The nasopharynx is aerated and unremarkable.

**AGE**

1 Year

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.  
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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.

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.

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Animal Surgical  
Center

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.

**Thorax:**

**REFERRING VET**

All Creatures VS

The bony and surrounding soft tissue structures are within normal limits.

The sternal, cranial mediastinal and tracheobronchial lymph nodes are small elongated with a normal short-to-long-axis-ratio is < 0.5, the attenuation and contrast enhancement pattern is uniform and considered within normal limits.

**INVOICE**

12591

The cardiovascular structures including the pulmonary vasculature are within normal limits.

**DATE**

8/18/21



**PATIENT** The bronchial tree presents with regular branching and tapers uniformly towards the periphery as expected, the bronchial walls are thin and smooth. The bronchus-to-artery ratio is within normal limits.  
 Ollie Pease The lung parenchyma presents the expected architecture and attenuation behavior.

**SPECIES** Small incidental gas pockets are seen within the esophageal lumen, there is no evidence of abnormal dilation.  
 Canine

**COMPUTED TOMOGRAPHIC DIAGNOSIS**

- BREED**
- Suspect choanal atresia by a soft tissue membrane/barrier
  - Secondary rhinitis
  - Persistent deciduous tooth 606
  - Absent triadan 106, 206, 311 and 411
  - Structural normal thorax
- Pomeranian

**SEX**  
 Neutered Male

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**AGE** The findings are highly suggestive for either choanal atresia due to a imperforated membrane/soft tissue barrier or nasopharyngeal stenosis – in case of chronic clinical signs since early stage of life, choanal atresia is considered likely. Ballon dilation ± stenting are potential treatment options and decision making has to be based on findings of rhinoscopy as well. In case of acquired stenosis of the nasopharynx the prognosis is more guarded as stenosis is more likely to reoccur.  
 1 Year

The findings explain the rhinitis.

**INTERPRETED BY**

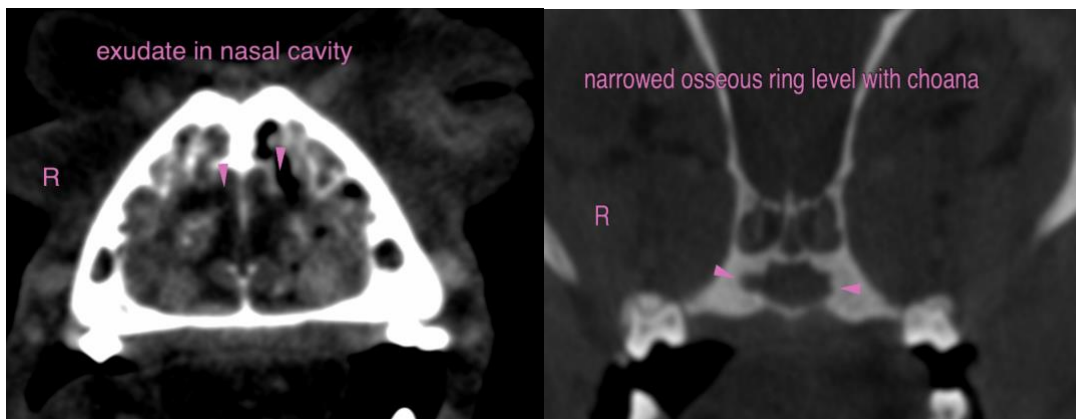
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**PATIENT**

Ollie Pease

**SPECIES**

Canine

**BREED**

Pomeranian



**SEX**

Neutered Male

**AGE**

1 Year

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.

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