



**PATIENT PRESENTING CLINICAL SIGNS**

Lily Ruff House Rescue  
 History: Lily presented for evaluation of chronic nasal discharge from left side due to possible FB inside the nasal cavity.

**COMPUTED TOMOGRAPHIC STUDY OF THE HEAD, NECK & CHEST**

**SPECIES**

**Head**  
 Canine  
 The neurocranium shows normal findings. Bony structures of skull and the skull foramina of the cranial nerves are laterally symmetrical and inconspicuous. Both tympanic bullae are completely ventilated with a regular tympanic bulla wall. External ear canals are ventilated in all sections, walls of the external ear canals and the adjacent temporomandibular joints have no particular findings. The nasopharyngeal meatus is ventilated but presents narrowing/thickening of the mucous membranes in its caudal section. There is a gap of the soft palate of approximately 1.19 cm recognized.

**BREED**

Terrier Mix

**SEX**

Spayed Female

Frontal sinuses and the orbital contents are laterally symmetrical without evidence of a retrobulbar lesion. Nasal cavities show marked atrophy and destruction of the conches more prominent on the right side with marked formation of aerated/empty spaces. Bony borders of the nasal cavities are intact apart from that. The residual conches show thickened mucous membranes. Radiopaque foreign material is not recognized.

**AGE**

3 Years

The maxillary/mandibular teeth appear regular.

Post contrast images show no pathological enhancement. Soft tissues of the head and neck are symmetrical and of homogeneous density, especially the medial retropharyngeal lymph nodes.

**INTERPRETED BY**

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 German Board  
 Certified Vet Specialist  
 in Diagnostic Imaging

**Chest**

The lungs are regularly ventilated with close contact to the inner thoracic wall on all sides. No evidence of pleural thickening, fluid accumulation or free pleural gas is noted. Pulmonary density is within normal limits, there is no evidence of focal or nodular pulmonary lesions.

**HOSPITAL NAME**

Animal Surgical  
 Center

Mediastinum is regular in width and density. Mediastinal (sternal, tracheal-, bronchial) lymph nodes are considered to be normal. Thoracic trachea and esophagus present as expected. The diaphragm is normal.

**REFERRING VET**

Dr. Infernuso

The extra-thoracic soft tissues, thoracic spine as well as ribs and sternum are unremarkable. There is no evidence of bony lysis or abnormal sclerosis.

**COMPUTED TOMOGRAPHIC DIAGNOSIS**

**INVOICE**

13095

- Palatine cleft with consecutive severe signs of a bilateral, chronic and erosive rhinitis
- Swelling of the mucous membranes of the residual conches and the nasopharyngeal meatus
- Normal findings of the chest

**DATE**

12/17/21



**PATIENT**

Lily Ruff House  
Rescue

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The CT findings match with the reported patient's history of nasal discharge. I suspect the palatine cleft to be the main reason for the erosive changes of both nasal cavities.

**SPECIES**

Canine

Findings of the nasal lesions are irreversible but surgery with closing of the cleft may be beneficial. Foreign material is not detected but continuous nasal infections caused by the palatine cleft are likely.

**BREED**

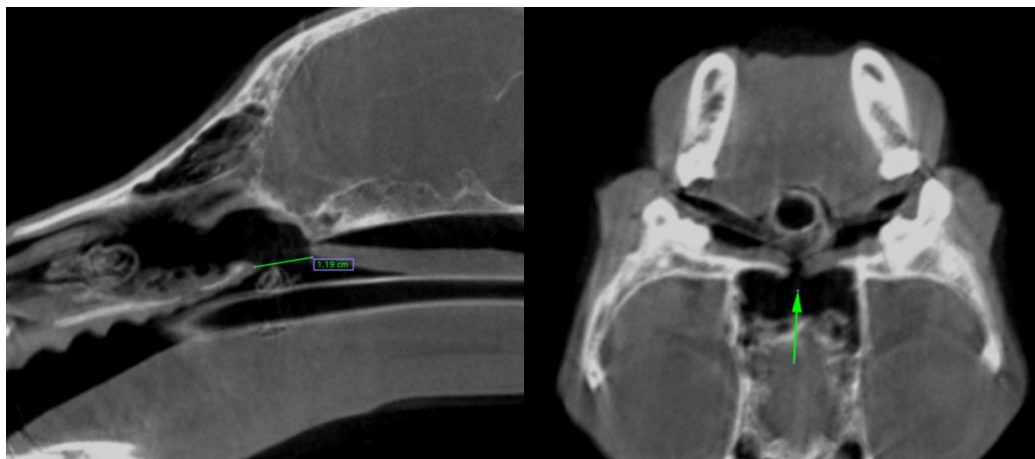
Terrier Mix

**SEX**

Spayed Female

**AGE**

3 Years

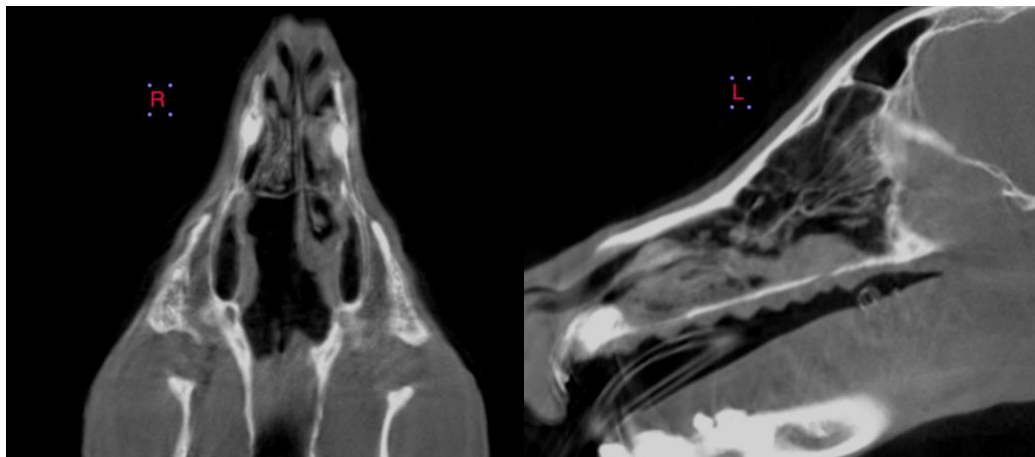


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**REFERRING VET**

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**PATIENT**

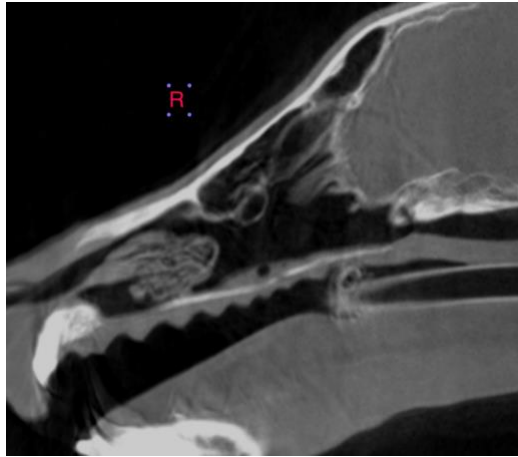
Lily Ruff House  
Rescue

**SPECIES**

Canine

**BREED**

Terrier Mix



**SEX**

Spayed Female

**AGE**

3 Years

**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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