



**PATIENT PRESENTING CLINICAL SIGNS**

Mimi Ruiz Unilateral epistaxis (Left).

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

**SPECIES**  
Canine Plain and post contrast studies of the head and neck and post contrast study of the thorax available for review.

**COMPUTED TOMOGRAPHIC FINDINGS**

**BREED Head & Neck**

Shih Tzu An approximately 15 x 10mm sized ill-defined mass is seen in the mid and rostral third of the left nasal cavity and appears to be associated with the middle nasal concha. Regional concha destruction is noted as well as interruption of the nasal septum in the rostral third of the nasal cavity. Nonuniform enhancement is noted. The remainder of the nasal cavities present within normal limits except for fluid accumulation on the floor of the left nasal cavity.

**SEX**

Spayed Female

The external auditory meatuses are narrow and present thickening of their epithelial lining with a mild amount of hypoattenuating material within the lumen of the external auditory meatuses.

**AGE**

9 Years, 6 Months

The left medial retropharyngeal lymph node presents mild symmetric enlargement.

Both lobes of the thyroid gland are seen and present within normal limits.

**INTERPRETED BY**

Nele Eley (Ondreka),  
DVM Dr. med. vet.,  
DipECVDI

The cervical lymph nodes present within normal limits.

**Thorax**

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 are uniform and considered within normal limits.

**HOSPITAL NAME**

Mobile Pet Imaging

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

The thoracic trachea presents moderate dorsoventral collapse involving the carina. Moderate main stem bronchial collapse is noted as well.

**REFERRING VET**

Meaux

Regional atelectasis is present within the accessory lung lobe. There is no evidence of interstitial pulmonary nodules or masses.

Occasional pulmonary osteomas and interstitial bands are seen.

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Gastroesophageal reflux is noted.

**DATE**

4-5-23

Cortical infarcts are seen within both kidneys. A 3.5 cm sized cyst is seen in the caudolateral aspect of the right kidney.



**PATIENT COMPUTED TOMOGRAPHIC DIAGNOSIS**

Mimi Ruiz

- Soft tissue mass meeting neoplastic criteria within the left nasal cavity.
- Mild left medial retropharyngeal lymphadenomegaly.
- Bilateral otitis externa.

**SPECIES**

Canine

- No evidence of pulmonary metastases.
- Tracheal and bronchial collapse – likely with underlying bronchomalacia.
- Gastroesophageal reflux.
- Large cyst of the right kidney.
- Bilateral renal infarcts.

**BREED**

Shih Tzu

**INTERPRETATION OF FINDINGS & FURTHER RECOMMENDATIONS**

**SEX**

Spayed Female

The CT findings suggest presence of a soft tissue neoplasia within the left nasal cavity. Adenocarcinoma, other carcinoma, and lymphosarcoma are primary differential diagnoses. Inflammatory granuloma cannot be ruled out entirely but appears by far less likely. Final diagnosis by means of sampling for histology is recommended if not performed already.

**AGE**

9 Years, 6 Months

The lymph node changes are equivocal for reactive hyperplasia versus early metastatic disease. Fine needle aspiration of the left medial retropharyngeal lymph node is recommended for further definition.

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**HOSPITAL NAME**

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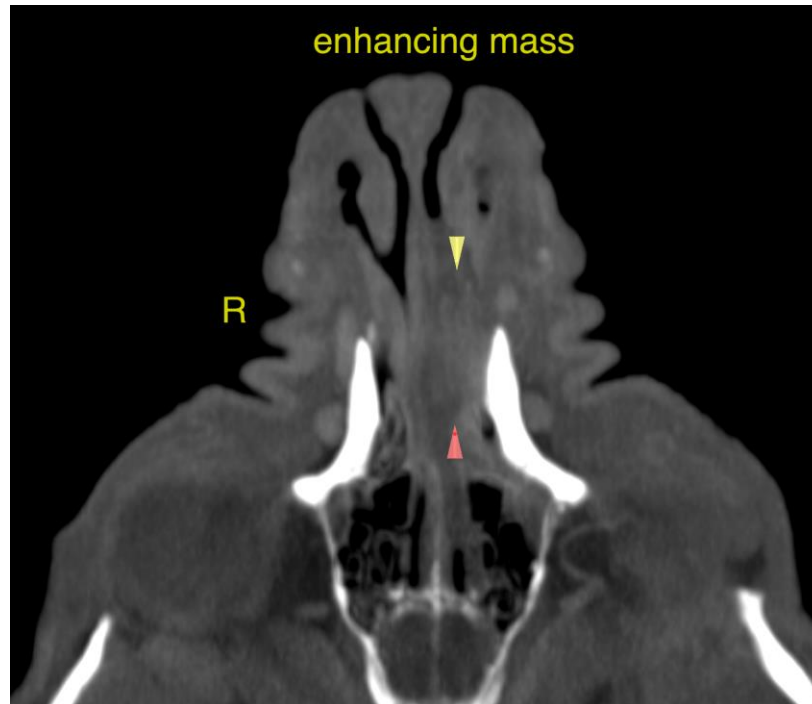
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**DATE**

4-5-23





**PATIENT** 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.

Mimi Ruiz

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.

**SPECIES**

Canine

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**BREED**

Shih Tzu

**SEX**

Spayed Female

**AGE**

9 Years, 6 Months

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