



**PATIENT PRESENTING CLINICAL SIGNS**

Prince Lujan Nasal congestion mentioned May 2021, severe dental disease found, full mouth extractions October 2021, still having congestion after dental (steroids, ketoconazole, and benadryl tried.) CT recommended multiple times since initial presentation. Presented 10/26/22 for epistaxis, right nostril.

**SPECIES**

Canine

Abnormal PE/Chem/CBC/UA Results: not currently bleeding at pre-anesthesia exam on 10/27/22. KCS OU. CBC- worsening neutrophilia (10/6/22 17.41 K/uL- 10/27 35.35) and monocytosis (10/6 1.52 k/uL to 10/27 2.46)

**BREED**

Shih Tzu

**COMPUTED TOMOGRAPHY OF THE SKULL**

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

**COMPUTED TOMOGRAPHIC FINDINGS**

**SEX**

MN

All teeth are absent and generalized moderate atrophy of the alveolar bone in all jaw quadrants is appreciated. Advanced atrophy of the most rostral segment of the body of the mandible bilaterally is seen with loss of the entire rostral segment forming the mandibular symphysis. Mild deviation of the bodies of the mandible against each other is seen.

**AGE**

15 Years

The right nasal cavity is obliterated by soft tissue attenuating and heterogeneous contrast enhancing material. Advanced destruction of the right nasal conchal & turbinate structures is appreciated. The nasal septum is deviated to the left by the mass effect. The right maxillary bone presents multifocal osteolytic lesions, and the nasal mass is protruding into the oral cavity level with absent triadan 104.

**INTERPRETED BY**

Sebastian Schaub, DVM  
Dr. med. vet. DipECVDI

The zygomatic gland bilaterally is prominent and mild intraparenchymal dilation of the ductal system is noted.

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

**HOSPITAL NAME**

Petroglyph Animal  
Hospital

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 prominent, a supracollicular fluid accumulation is appreciated.

**REFERRING VET**

Dr. Dana Powers

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.

**INVOICE**

54853

**COMPUTED TOMOGRAPHIC DIAGNOSIS**

- Biologically semiaggressive right nasal soft tissue neoplasia
- History of full mouth dental extraction with advanced atrophy of the alveolar bone in all jaw quadrants
- Secondary loss of mandibular symphysis
- Mild ventriculomegaly

**DATE**

10-27-22



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**INVOICE**

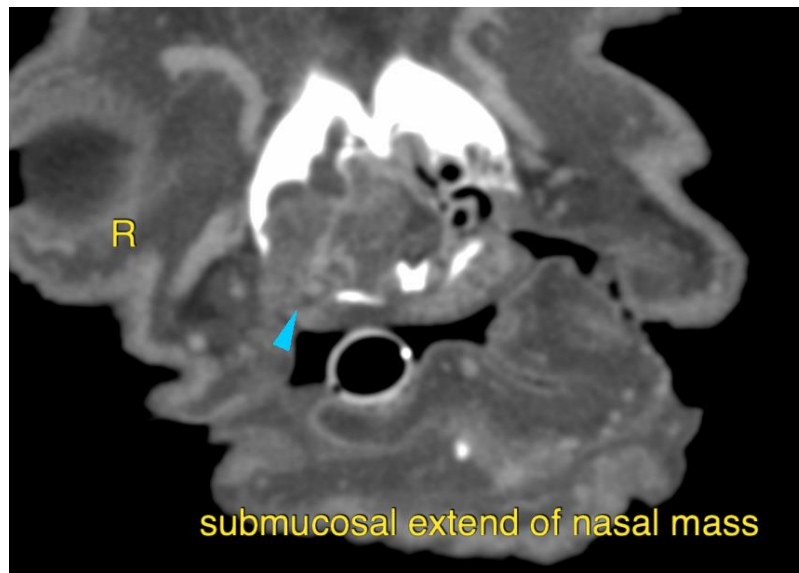
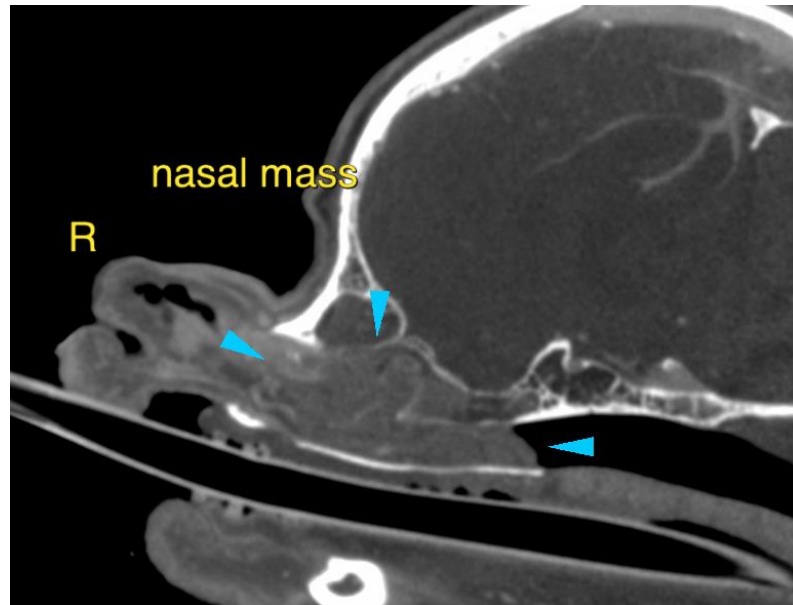
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**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The right nasal soft tissue material is highly concerning for primary nasal neoplasia. Differentials include adenocarcinoma, squamous cell carcinoma, transitional cell carcinoma, lymphosarcoma, other. A potential can be granulomatous nasal disease or an adenomatoid nasal polyp – but the odds are considered low. Rhinoscopy including biopsy can be used as advanced diagnostic tests. Based on the results of the advanced diagnostic tests, the chances of radiation therapy can be discussed with oncologist. The Adam tumor stage is T3.





**PATIENT**

Prince Lujan

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.

**SPECIES**

Canine

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.

**BREED**

Shih Tzu

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

MN

**AGE**

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