



**PATIENT PRESENTING CLINICAL SIGNS**

**Chia Allen** New onset grand mal seizures, 3 episodes since April 7. Also has a bleeding right nostril, which started at the same time as the seizures. Is there evidence of a neoplastic process which could explain both the nose bleed and seizures

**SPECIES** Abnormal PE/Chem/CBC/UA Results: CBC - mild-moderate neutrophilia and monocytosis Chem - mildly elevated globulins, mildly elevated ALKP PT/PTT WNL

Canine

**COMPUTED TOMOGRAPHY OF THE SKULL**

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

**BREED**

**COMPUTED TOMOGRAPHIC FINDINGS**

Bichon X

The tooth elements 201, 301, 311, 401 and 411 are absent.

**SEX**

FS

The caudal two third of the ventral aspect of the right nasal cavity is obliterated by a soft tissue attenuating and heterogeneous contrast enhancing amorphous soft tissue mass. The right nasal mass is perforating the medial wall of the right orbital cavity and mildly bulging into the caudoventral aspect of the orbital cavity. Caudally the mass is extending along the presphenoid bone up to the pterygoid bone, presenting permeative osteolytic lesions with perforation of the cranial fossa. The mass is bulging into the right cranioventral aspect of the cranially fossa and mass effect on the right frontal lobe. The volume of the right cerebral hemisphere is moderately increased and the falx presents a midline shift to the left.

**AGE**

13 Years

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. DipECVDI

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.

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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.

**COMPUTED TOMOGRAPHIC DIAGNOSIS**

- Biologically aggressive primary right nasal soft tissue mass with polyostotic aggressive osteolytic lesions and perforation of the cranial fossa
- Suspect secondary vasogenic intraaxial edema right cerebral hemisphere
- Multiple absent teeth, see above.

**REFERRING VET**

Dr. J. Shapera

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The findings are consistent with primary nasal neoplasia presenting polyostotic aggressive osteolytic lesions of the associated osseous structures and extension into the cranial fossa with significant mass effect on the brain. The latter is explaining the seizure activity. Differentials include adenocarcinoma, squamous cell carcinoma, transitional cell carcinoma, lymphosarcoma, other. Rhinoscopy including biopsy can be used as advanced diagnostic tests. The Adam tumor stage is T4.

**INVOICE**

57701

**DATE**

4-10-23



**PATIENT**

Chia Allen

**SPECIES**

Canine

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Bichon X

**SEX**

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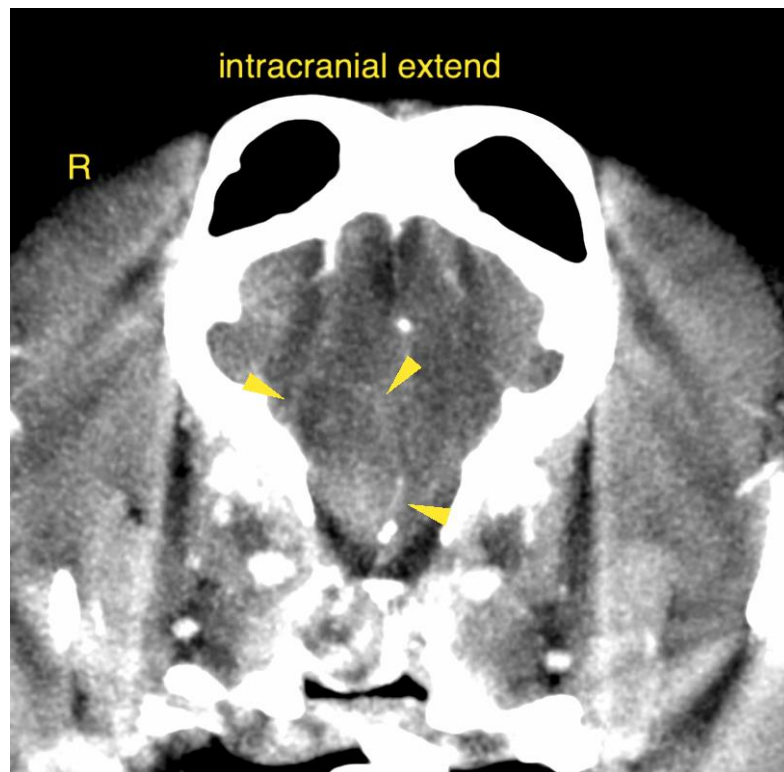
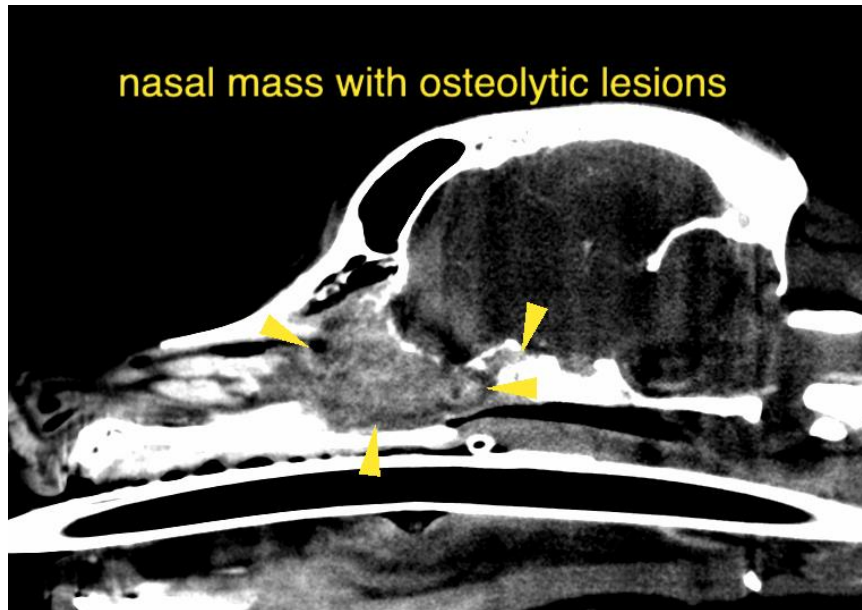
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**PATIENT**

Chia Allen

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.

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