



**PATIENT**

Silvia Ahmadi

**PRESENTING CLINICAL SIGNS**

Started having seizures acutely the last 3 days. Has had 4-5 seizures in that time. last 3 days. Was started on phenobarbitone and Levetiracetam. Has had 1 seizure since starting meds. Bloods done at the time was normal. Has been heavily sedated since started on meds and started pacing and circling mainly to the right. Ct scan performed - pre and post IV contrast. First contrast scan performed immediately after administration. Second contrast scan performed 5 mins after administration concentrating on the brain.

**SPECIES**

Canine

**COMPUTED TOMOGRAPHY OF THE SKULL**

**BREED**

A pre- and post-contrast CT study of the skull in a bone and soft tissue reconstruction is provided for review.

Staffordshire Terrier

**COMPUTED TOMOGRAPHIC FINDINGS**

**SEX**

Female

The pictured parts of the dentition are complete. Level with triadan 208, the alveolar bone presents an ill-defined zone with permeative osteolysis and replacement of the bone by heterogeneous contrast enhancing soft tissue material, perforating the left nasal cavity. The right paracondylar process of the occipital bone presents advanced permeative osteolysis.

**AGE**

10 Years

in the rostral and caudal aspect of the right temporal muscle and the left thyrohoideus muscle, a mild ill-defined, heterogeneous contrast enhancing ovoidal shaped lesion is seen respectively.

Multifocal throughout the left and right cerebral hemisphere, variable sized, roundish peripherally accentuated contrast enhancing lesions are appreciated.

**INTERPRETED BY**

Sebastian Schaub, DVM  
Dr. med. vet. DipECVDI

The nasal cavity presents the expected aerated spaces between thin & even conchae and turbinates with smooth mucosal lining.

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

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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 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.

**REFERRING VET**

Chris Papantonio

**COMPUTED TOMOGRAPHIC DIAGNOSIS**

- Multifocal asymmetric distributed intraaxial peripheral contrast enhancing lesions.
- Polyostotic aggressive osteolytic lesions left maxillary bone & paracongressive osteolytic lesions left maxillary bone & right paracondylar process occipital bone.
- Multiple contrast enhancing lesions throughout the right temporal muscle and left thyrohoideus muscle.

**INVOICE**

56826

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**DATE**

2-18-23

The CT findings are highly suggestive for disseminated neoplastic disease with multiple contrast enhancing lesions throughout the muscles, brain and osteolytic lesions – such as hemangiosarcoma, carcinomatosis, round cell tumor. Theoretically infectious origin such as mycotic infection is a potential, but the odds are low. FNA sampling of the osseous lesion of the



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left maxillary bone level with triadan 208 can be tried for further definition.

Check for potential primary neoplasia throughout the thorax and abdomen.

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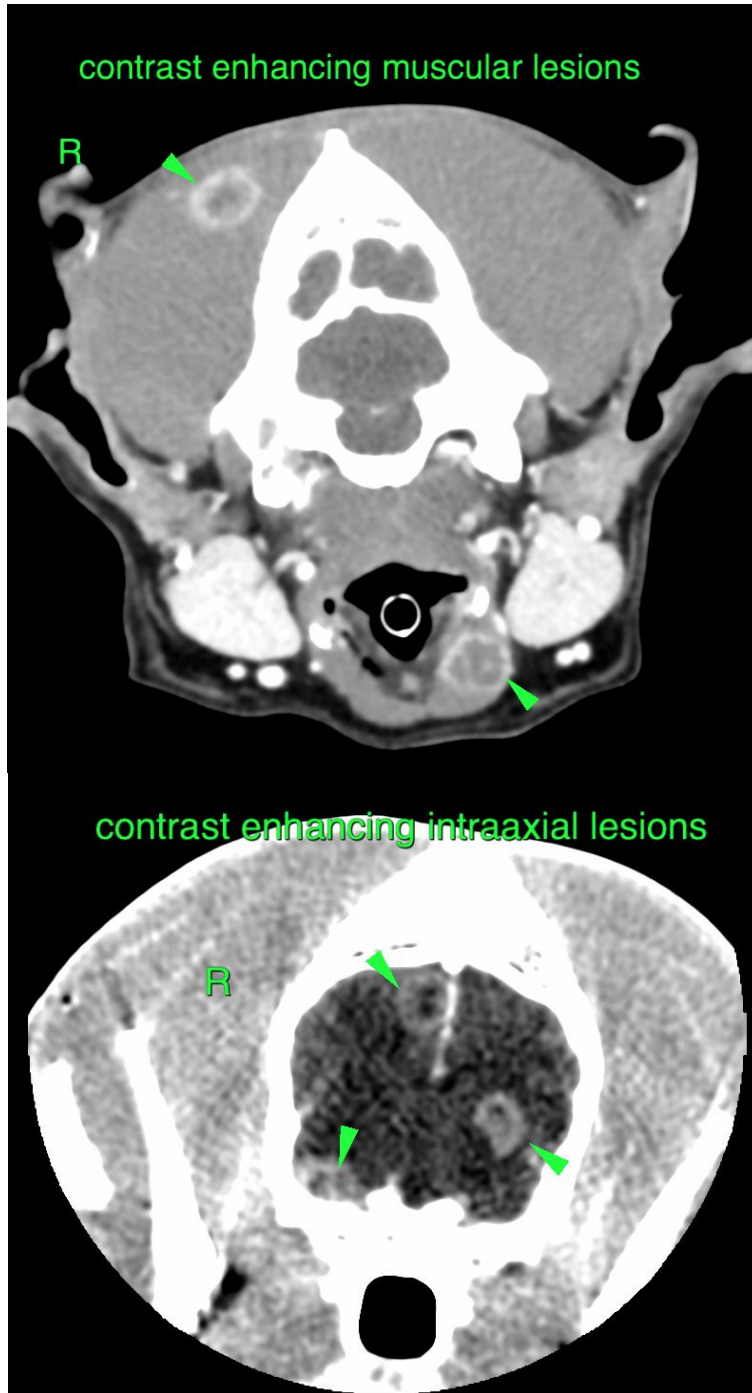
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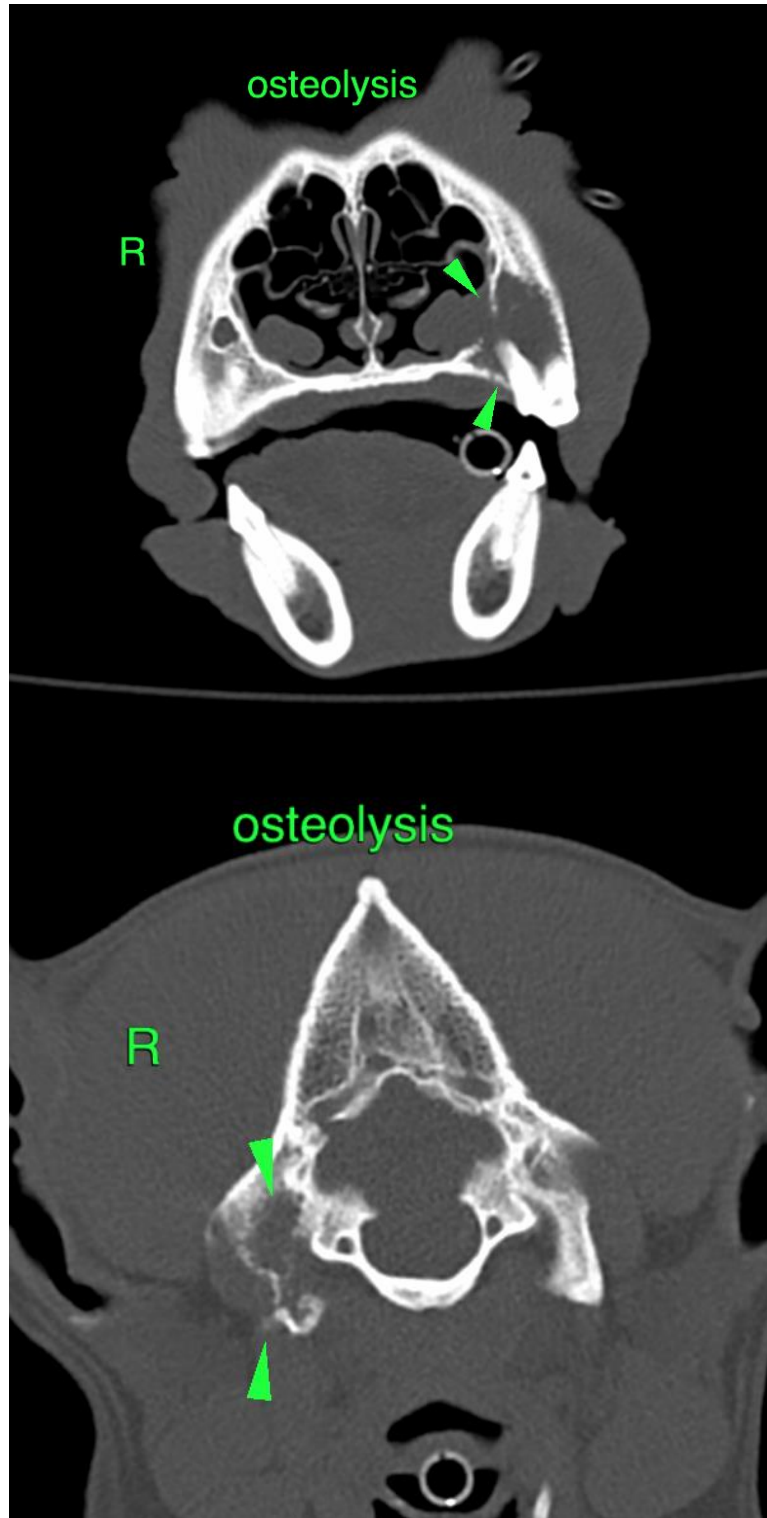
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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  
sebast.schaub@gmail.com

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