



**PATIENT PRESENTING CLINICAL SIGNS**

**PATIENT** Weezer Kenny **PRESENTING CLINICAL SIGNS** History: Recurrent right sided facial abscesses/infection and chronic right ear infections for years. Recommend CT scan of head.

**SPECIES** Abnormal PE/Chem/CBC/UA Results: Recurrent right sided facial abscesses/infection and chronic right ear infections for years. Recommend CT scan of head.

Canine

**COMPUTED TOMOGRAPHIC STUDY OF THE SKULL**

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

Australian Cattle Dog

**COMPUTED TOMOGRAPHIC FINDINGS**

**SEX**

Triadan 305 is absent.

Neutered Male

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

**AGE**

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

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Centered on the region of the external acoustic meatus, protruding into the right tympanic bulla and the right external ear canal, an expansile uniform soft tissue attenuating mass is appreciated. Expansion and multifocal destruction of the wall of the right tympanic bulla is appreciated – resulting in a soap bubble like appearance. Post contrast administration, the expansile soft tissue mass presents central cauliflower like contrast enhancing component and multiple fluid pockets. The tympanic part of the temporal bone is distorted and presents pressure erosion due to the mass effect and perforated – the soft tissue component is mildly protruding into the cranial fossa. The contrast enhancing component is extending through the Eustachian tube into the nasopharynx. The wall of the horizontal segment of the right external ear canal, cannot be clearly delineated and the surrounding soft tissue structures along the right external ear canal present streaky contrast enhancement, extending up into the subcutaneous tissue. In the subcutaneous tissue lateral to the right external ear canal, plaque like soft tissue swelling is appreciated, presenting a peripheral contrast enhancement pattern and fluid attenuating center.

**INTERPRETED BY**

Sebastian Schaub,  
DVM Dr. med. vet.  
DipECVDI

**HOSPITAL NAME**

Advanced Animal  
Imaging

**REFERRING VET**

Dr. Blair Hollowell

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 non-dilated and symmetric.

The right medial retropharyngeal lymph node is prominent.

**INVOICE**

23049

**COMPUTED TOMOGRAPHIC DIAGNOSIS**

- History of chronic right sided otitis externa

**DATE**

6/23/23



**PATIENT**

Weezer Kenny

- Expansile mixed cavitated and contrast enhancing mass right tympanic bulla – protruding into the external right external ear canal laterally and via the Eustachian tube into the nasopharynx, perforation of the cranial fossa

**SPECIES**

Canine

- Suspect perforation of the right external ear canal with surrounding steatitis
- History of subcutaneous abscess lateral aspect right external ear canal
- Lymphadenopathy right medial retropharyngeal lymph node – suggestive for reactive hyperplasia
- Absent triadan

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**BREED**

Australian Cattle Dog

There is an expansile mass that appears to originate from the right tympanic bulla, given the fluid component cholesteatoma would be the first differential. However, the quite large contrast enhancing soft tissue component, that is also protruding into the nasopharynx and mildly into the cranial fossa is unusual and can increase the odds for neoplastic transformation, such as squamous cell carcinoma. Recommend biopsy of the mass – either by otoscopic approach or retrograde pharyngoscopy for further definition. If malignant transformation can be ruled out, recommend right sided total ear canal ablation and lateral bulla osteotomy to remove as much of the epithelium/soft tissue material as possible.

**SEX**

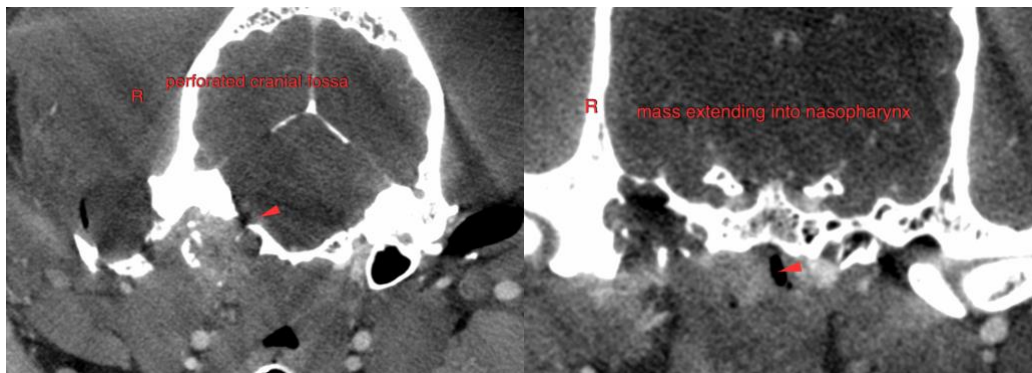
Neutered Male

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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.

**DATE**

6/23/23



**PATIENT**

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.

Weezer Kenny

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**SPECIES**

Canine

**BREED**

Australian Cattle Dog

**SEX**

Neutered Male

**AGE**

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