


**PATIENT PRESENTING CLINICAL SIGNS**

Rupert Serrano Rupert presents for CT. He has severe bilateral chronic otitis externa and likely media. Developed an abscess about 1 month ago.

**SPECIES COMPUTED TOMOGRAPHIC STUDY OF THE SKULL**

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

**COMPUTED TOMOGRAPHIC FINDINGS**

**BREED** A moderate prognathia inferior is present. The tooth element 311 and 411 is absent. The upper incisor teeth present resorptive lesions of the tooth roots.

Bulldog

**SEX**

Male

At the right side of the skull, a moderate to marked ill-defined soft tissue swelling is visible, centered on the region ventral to the right external ear canal. Post contrast administration the soft tissue swelling presents peripheral contrast enhancement with a hypoattenuating center. There is a stalk like peripheral contrast enhancing and central hypoattenuating extension from the soft tissue swelling extending up to the right external ear canal. The surrounding fat presents a moderate soft tissue striation.

**AGE**

11 Years

The wall of both external ear canals is markedly thickened and presents pronounced shell-like mineralization's. Both tympanica bulla are filled with non-contrast enhancing soft tissue material and the osseous lining is moderately thickened and mildly irregular. At the medioventral aspect of both external ear canals, a crescent shaped mineralization is seen, continuous with the mineralization of the ear canals, R>L.

**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.

**HOSPITAL NAME**

Suncoast Vet ER

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.

**REFERRING VET**

Dr. Byron Young

The right medial retropharyngeal lymph node is prominent, uniform soft tissue attenuating and contrast enhancing.

Mild to moderate peripheral mineralization of the dural tube is visible.

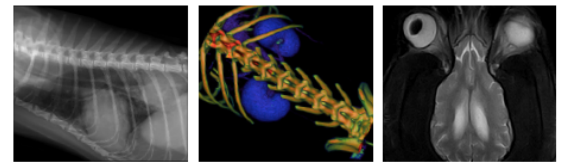
**INVOICE COMPUTED TOMOGRAPHIC DIAGNOSIS**

26518

- Advanced chronic otitis externa with dystrophic mineralization of the external ear canals
- Metaplasia caudoventromedial aspect of external ear canals
- Abscess formation ventral to right external ear canal with potential fistulous tract to the right external ear canal and surrounding septic steatitis
- Bilateral chronic otitis media
- Mild lymphadenopathy right medial retropharyngeal lymph node
- Multiple absent teeth

**DATE**

10/20/21



**PATIENT** • Prognathia inferior

Rupert Serrano

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**SPECIES**

Canine

The findings are fitting the history of bilateral chronic otitis externa with dystrophic mineralization of the external ear canals. The right sided abscess ventral to the external ear canal is likely originating from the right external ear canal due to perforation secondary to chronic inflammation & mineralization. The therapy of choice is total ear canal ablation and drainage of the abscess. Resection of much as possible of the pyogenic membrane should be tried as well. There might be an increased risk for post operative reoccurrence of abscess formation.

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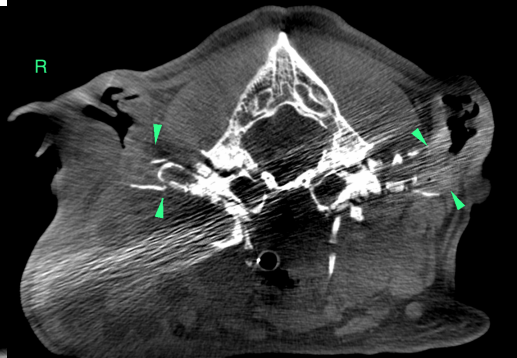
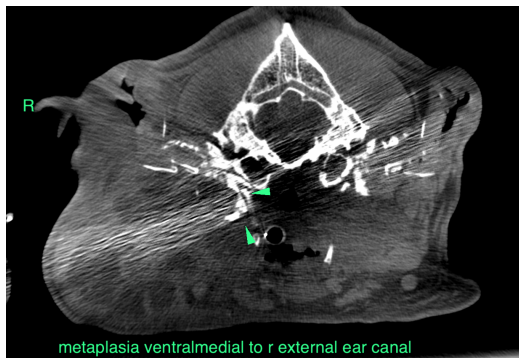
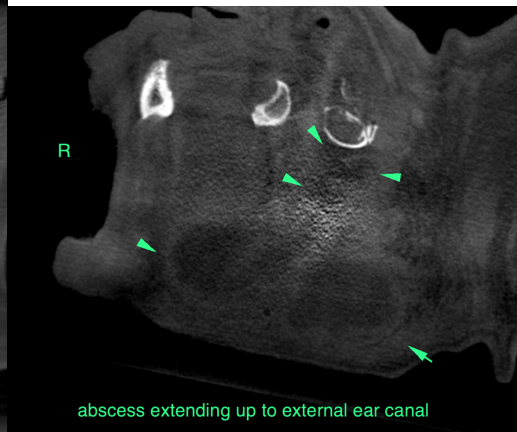
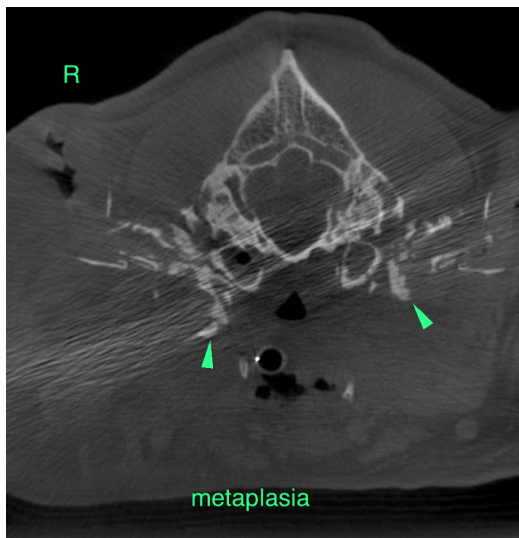
Sebastian Schaub,  
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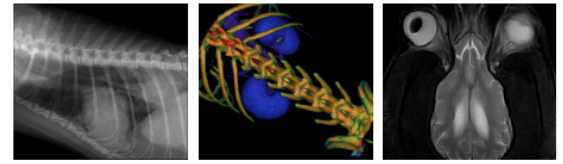


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**PATIENT**

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.

Rupert Serrano

**SPECIES**

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.

Canine

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