



**PATIENT**

Bradley Douglin

**PRESENTING CLINICAL SIGNS**

Left stenotic ear infection with abscess surrounding entire circumference of head

**SPECIES**

Canine

**COMPUTED TOMOGRAPHIC STUDY OF THE HEAD & NECK**

Post contrast study available for review.

**BREED**

Mastiff Mix

**COMPUTED TOMOGRAPHIC FINDINGS**

Severe and extensive soft tissue swelling is noted in the entire neck and head region with left sided accentuation. Multiple large fluid containing connected cavities are seen in the left upper neck and head ventral and lateral to the left external auditory meatus as well as one fluid containing cavity with medial retropharyngeal extension. The cavities are contrast negative and present thick peripheral rim enhancement. Two mineral dense foci is seen in the medial retropharyngeal cavity which may represent foreign material.

**SEX**

Male

The left and right retropharyngeal and submandibular lymph nodes are moderately enlarged.

**AGE**

7 Years, 1 Month

The left external auditory meatus is obliterated and cannot be entirely delineated against the extensive soft tissue swelling. However, there appear to be mineral dense metaplastic changes within the wall of the left external auditory meatus which indicate dorsal deviation of the canal. Moderate swelling of the mucosal lining of the left tympanic bulla is seen. The right external auditory meatus presents mineral dense metaplasia.

**INTERPRETED BY**

Nele Eley, DVM  
Dr. med. Vet. DipECVDI

**COMPUTED TOMOGRAPHIC DIAGNOSIS**

- Large abscess with multiple connected fluid filled cavities and extensive peripheral cellulitis in the head and neck region centering the left external auditory meatus and retropharyngeal area.
- Suspect foreign matter within the medial retropharyngeal cavities.
- Obliteration and compression of the left external auditory meatus – wall defect cannot be ruled out.
- Left otitis media.
- Moderate to severe regional lymphadenitis.

**HOSPITAL NAME**

Animal Surgical  
Center

**REFERRING VET**

Banfield Levittown

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The CT study confirms presence of multiple connected abscess cavities in the left head and neck. There is severe stenosis and obliteration of the lumen of the left external auditory meatus which may be due to external compression, otitis externa, congenital, or acquired atresia of the ear canal. A defect within the ear canal wall cannot be ruled out as source of the abscesses however the findings also indicate potential for small pieces of foreign matter within the medial retropharyngeal abscess cavities. Dystrophic mineralization is a potential but less likely differential diagnosis.

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**DATE**

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Lymphadenitis and left sided otitis media are likely secondary to the abscess formation and regional cellulitis.



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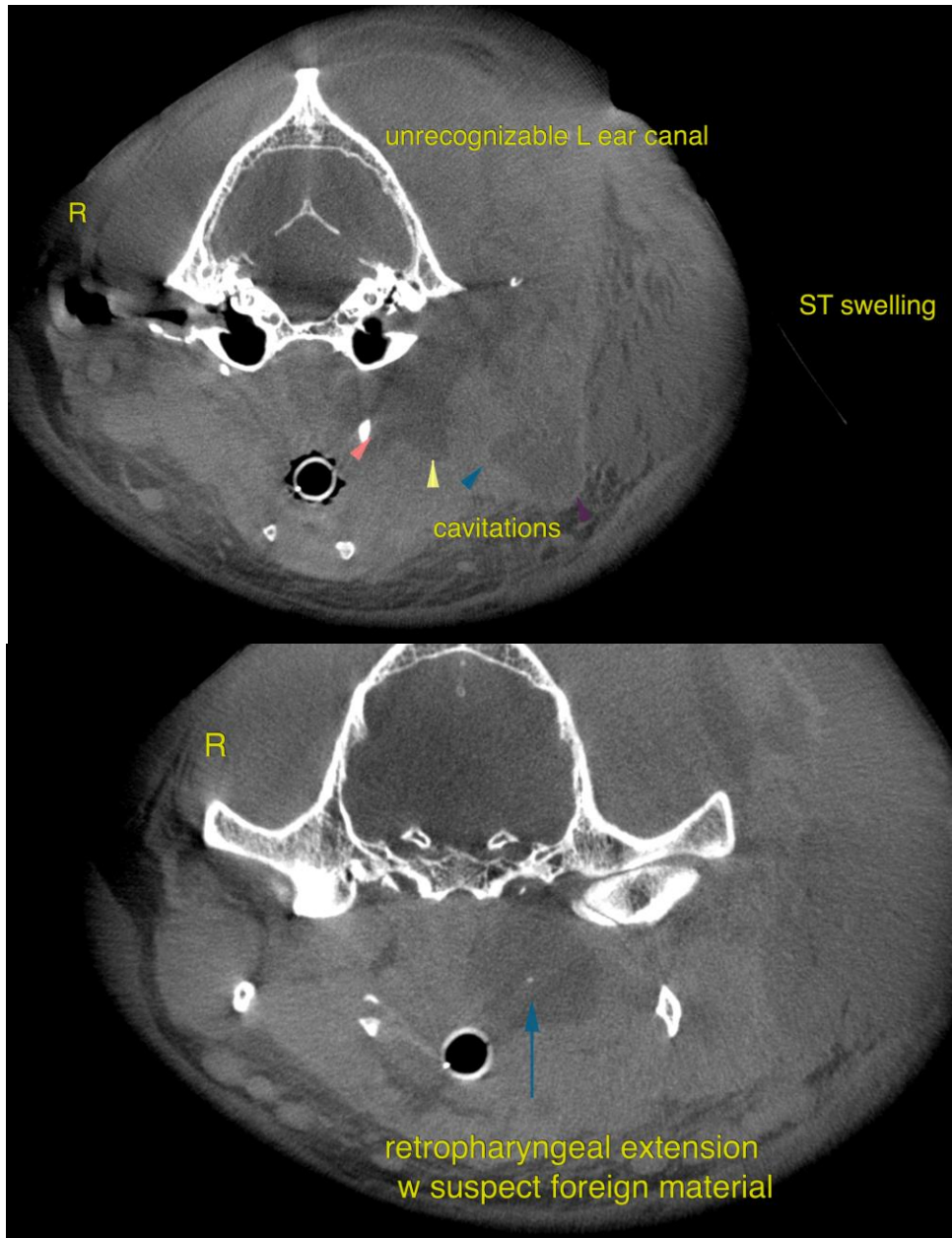
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

**SPECIES**

Canine

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