



**PATIENT PRESENTING CLINICAL SIGNS**

**Bertie Lawson** History: Heat stroke episode 2 weeks ago, dyspneic since, concerned for deteriorating BOAS condition. CT to assess pre operatively  
Abnormal PE/Chem/CBC/UA Results:

**SPECIES COMPUTED TOMOGRAPHIC STUDY OF THE SKULL**

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

**BREED COMPUTED TOMOGRAPHIC FINDINGS**

**Pug** There is a breed specific advanced brachycephalic conformation of the viscerocranium. Multiple teeth are absent.

**SEX** The nares are moderately narrowed. The mucosal lining of the conchae is prominent and a small amount of non-contrast enhancing soft tissue material is attached to the nasal mucosal lining. There is crowding of the conchae in the rostral aspect of the nasal cavity. A moderate retrograde conchal growth is seen. The soft palate is moderately elongated and extending caudally up to the level of the caudal third of the epiglottis.

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

**7 Years** The tympanic bulla bilaterally is filled with non-contrast enhancing material; the osseous lining is breed specific thickened and smooth. The external ear canals are within normal limits.

**INTERPRETED BY**

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

**HOSPITAL NAME**

**Myerscough VG** 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**

**COMPUTED TOMOGRAPHIC DIAGNOSIS**

**Roslind McKenzie**

- Stenotic nares
- Elongated soft palate
- Retrograde conchal growth
- Mild rhinitis
- Multiple absent teeth
- Bilateral otitis media – likely primary secretory
- Non-specific subcutaneous nodule left dorsal aspect of the neck

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**DATE**

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**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The findings are consistent with brachycephalic obstructive airway syndrome with stenotic nares, retrograde conchal growth and elongated soft palate. The crowding of the conchal structures may



**PATIENT**

Bertie Lawson

contributed to clinical signs as well and is caused by segmental narrowing of the nasal cavity, due to anatomical conditions. Surgery has already been scheduled and should include widening of the nares and staphylectomy. Laser conchectomy might be beneficial as well.

**SPECIES**

Canine

**BREED**

Pug

**SEX**

Male

**AGE**

7 Years

**INTERPRETED BY**

Sebastian Schaub,  
DVM Dr. med. vet.  
DipECVDI

**HOSPITAL NAME**

Myerscough VG

**REFERRING VET**

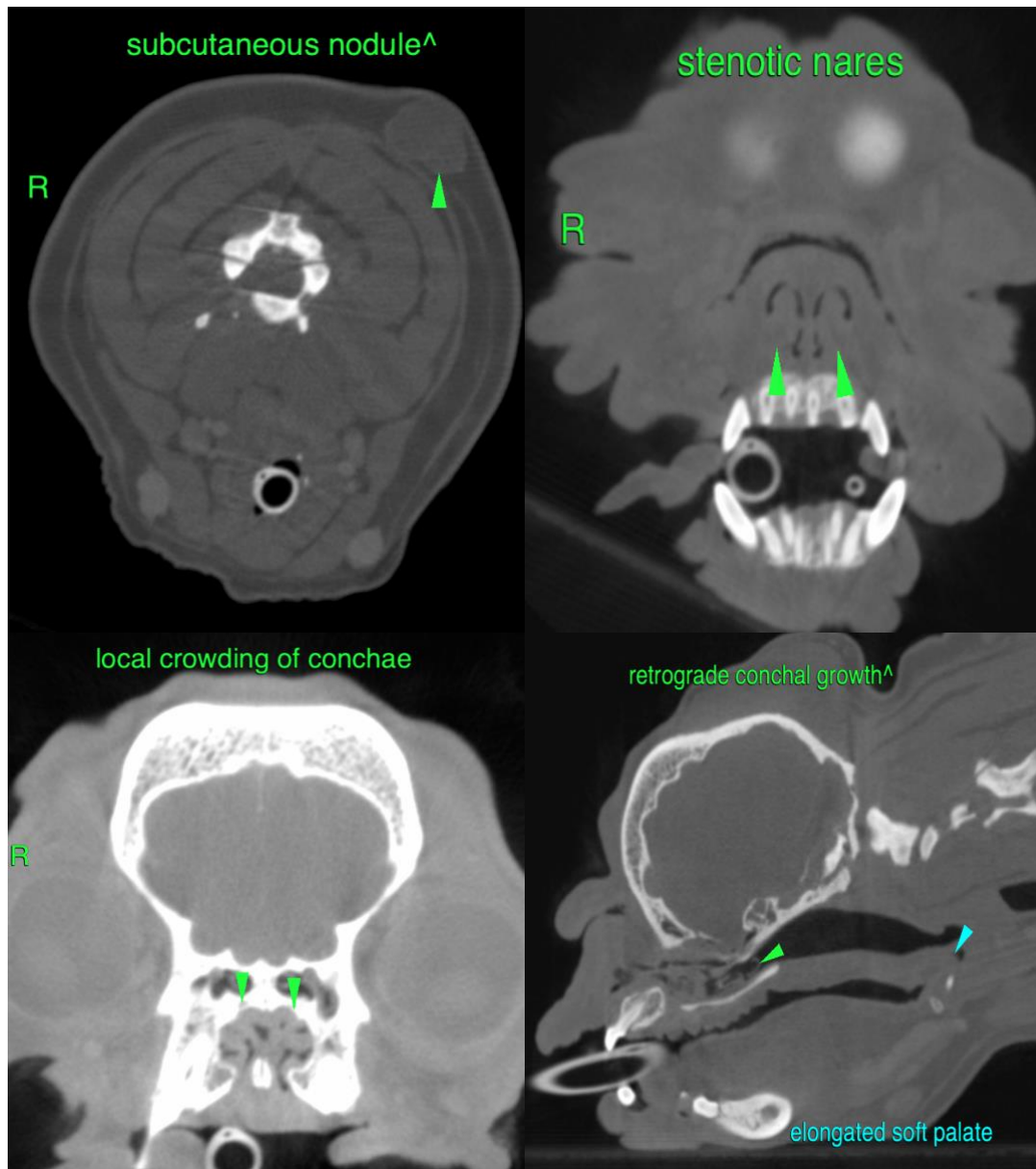
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.



**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.

Bertie Lawson

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

**SEX**

Male

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