



**PATIENT PRESENTING CLINICAL SIGNS**

**Charlie Deme** In March Charlie had dental work done and there was a firm mass in the mandibular area. It was aspirated and was consistent with a salivary gland. Charlie has been hypersalivating out of the left side of the mouth. He has also developed a cough, seems lethargic to the owner, and has lost weight.

**SPECIES** Large mass in the left cranial cervical region between the salivary gland and the trachea - rule out salivary gland neoplasia vs thyroid carcinoma vs other.

**Canine** **COMPUTED TOMOGRAPHY OF THE NECK**

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

**BREED** **COMPUTED TOMOGRAPHIC FINDINGS**

**Cavalier King Charles Spaniel** In the left retropharyngeal region, region of the left retropharyngeal lymph node,, a large, ill-defined, uniform soft tissue attenuating and heterogeneous contrast enhancing mass is appreciated. The left retropharyngeal mass presents ill-defined margins to the surrounding soft tissue structures. The larynx is deviated to the right by the mass effect. The left thyrohyoid bone presents osteolytic lesions and immature periosteal new bone formation. The left common carotid artery is deviated medially by the mass effect. The left retropharyngeal mass is measuring approximately 4.4 x 4.7 x 6.2 cm in size. Dorsally the left retropharyngeal mass is in contact with the left ala of C1 presenting irregular periosteal new bone formation at the ventral aspect. Laterally the left mandibular salivary gland is displaced laterally. The wall of the left tympanic bulla presents irregular new bone formation at the ventral aspect.

**SEX** The left mandibular lymph nodes are enlarged and rounded and present a heterogeneous contrast enhancement pattern. The right medial retropharyngeal lymph node is prominent and has a heterogeneous contrast enhancement pattern.

**MN** The left mandibular lymph nodes are enlarged and rounded and present a heterogeneous contrast enhancement pattern. The right medial retropharyngeal lymph node is prominent and has a heterogeneous contrast enhancement pattern.

**AGE** 7 Years The left mandibular lymph nodes are enlarged and rounded and present a heterogeneous contrast enhancement pattern. The right medial retropharyngeal lymph node is prominent and has a heterogeneous contrast enhancement pattern.

**INTERPRETED BY** The pictured cranial aspects of the lung parenchyma presents with multiple confluent nodular lesions.

**Sebastian Schaub, DVM** The thyroid glands bilaterally are within normal limits for size, shape and organ architecture. The left thyroid gland is deviated by the mass effect.  
**Dr. med. vet. DipECVDI**

**HOSPITAL NAME** **COMPUTED TOMOGRAPHIC DIAGNOSIS**

- Mobile Pet Imaging CFL**
- Left sided retropharyngeal soft tissue mass with local invasive growth and polyostotic semiaggressive osteoproliferative lesions of the associated osseous structures (thyrohyoid bone, left tympanic bulla, ala of C1)
  - Lymphadenopathy left mandibular lymph nodes and right medial retropharyngeal lymph node
  - Structured nodular interstitial lung pattern

**REFERRING VET** **INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**Borecky** The findings are consistent with primary retropharyngeal soft tissue neoplasm and potentials include carcinoma of ectopic left thyroid tissue, paraganglioma, squamous cell carcinoma, fibrosarcoma, other. The enlarged lymph nodes and the pulmonary pattern are consistent with metastatic spread. FNA sampling or biopsy of the mass can be used for further differentiation. Surgical resection of the mass is considered not feasible, palliative treatment options might be discussed with oncologist.

**INVOICE** 52624

**DATE**

6-29-22



**PATIENT**

Charlie Deme

**SPECIES**

Canine

**BREED**

Cavalier King Charles  
Spaniel

**SEX**

MN

**AGE**

7 Years

**INTERPRETED BY**

Sebastian Schaub, DVM  
Dr. med. vet. DipECVDI

**HOSPITAL NAME**

Mobile Pet Imaging  
CFL

**REFERRING VET**

Borecky

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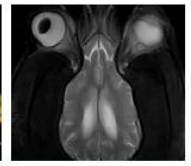
**DATE**

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left retropharyngeal mass

osteoproliferative lesions C1 & thyrohyoid bone



**PATIENT**

Charlie Deme

**SPECIES**

Canine

**BREED**

Cavalier King Charles  
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**SEX**

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**AGE**

7 Years

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**REFERRING VET**

Borecky

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.

**INVOICE**

52624

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

**DATE**

6-29-22