



PATIENT PRESENTING CLINICAL SIGNS

Fudge Dowd
SPECIES Canine
 Fudge presented for the potential of a right sided salivary mucocele. Owner noticed a spontaneous swelling along the right side of the dogs face this past week. At the same time owner stated the dog appeared visible sick and lethargic. Although Fudge appears less lethargic now, the swelling is still present. Fudge was taken to her rDVM where a FNA was consistent with suppurative inflammation and a cervical ultrasound sound revealed enlarged salivary glands along the right side but also enlarged lymph nodes. The ultrasounographer recommend a CT scan and surgical consultation.

BREED COMPUTED TOMOGRAPHY OF THE SKULL, NECK AND THORAX

Yorkie
 A high resolution post-contrast CT study of the skull, neck and thorax is provided for review.

COMPUTED TOMOGRAPHIC FINDINGS

SEX Skull

MN
 Multiple teeth are absent.

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

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

INTERPRETED BY

Sebastian Schaub, DVM
Dr. med. vet. DipECVDI
 Both tympanic bullae are aerated, the mucosal lining is not seen, the bony wall is smooth and thin. The external ear canals are within normal limits.

HOSPITAL NAME

Animal Surgical Center
 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

Hampton Vet Hospital
 At the medial aspect of the right mandibular salivary gland and medial to the right digastric muscle, a tubular, peripheral contrast enhancing and central hypoattenuating lesion is visible; presenting a multicameral conformation in the most rostral aspect. The tubular lesion at the medial aspect of the right mandibular salivary gland is measuring 1.6 x 1.2 x 3.3 cm in size. The subcutaneous tissue ventral to right body of the mandible presents focal moderate fat-stranding. The left mandibular salivary gland presents a segmental cystic dilation of the salivary duct in the rostromedial aspect.

INVOICE

47347
 The submandibular and medial retropharyngeal lymph nodes are prominent and elongated with a normal short-to-long-axis-ratio is < 0.5, the attenuation and contrast enhancement pattern is uniform.

DATE

9-9-21
 At the ventral aspect of the trachea, level with C3&C4 a fusiform shaped peripheral contrast enhancing and central hypoattenuating structure is visible measuring 22 in length and 3 mm in diameter.

In the subcutaneous tissue dorsal to C5/C6 a well-defined discoid subcutaneous nodule is visible.



PATIENT Thorax

Fudge Dowd The vertebral endplates T6/T7 present mild spondylosis formation.

SPECIES

The sternal, cranial mediastinal and tracheobronchial lymph nodes are small elongated with a normal short-to-long-axis-ratio is < 0.5, the attenuation and contrast enhancement pattern is uniform and considered within normal limits.

Canine

The cardiovascular structures including the pulmonary vasculature are within normal limits.

BREED

The bronchial tree presents with regular branching and tapers uniformly towards the periphery as expected, the bronchial walls are thin and smooth. The bronchus-to-artery ratio is within normal limits.

Yorkie

SEX

The lung parenchyma presents the expected architecture and attenuation behavior, but moderate dystelectasis of the left lung lobes.

MN

Small incidental gas pockets are seen within the esophageal lumen, there is no evidence of abnormal dilation.

AGE

11 Years

COMPUTED TOMOGRAPHIC DIAGNOSIS

- Bilateral sialoceles mandibular salivary gland, R>>>L
- Cavitory lesion medial to right digastric muscle with accompanying local steatitis
- Lymphadenopathy mandibular and medial retropharyngeal lymph nodes bilaterally
- Fusiform shaped contrast enhancing structure ventral aspect of trachea level C3/C4
- Multiple absent teeth
- Non-specific subcutaneous nodule caudodorsal aspect of neck
- Dystelectasis left lung lobes, no evidence of pulmonary neoplastic disease
- Spondylosis deformans

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The tubular cavitory structure at the medial aspect of the right digastric muscle is supporting the diagnosis of sialoceles of the right mandibular & monostomatic salivary gland with local steatitis. Abscess formation should be ruled out by cytology but is considered unlikely here. There is evidence of cystic dilation of the salivary duct of the left mandibular salivary gland as well, as the dilated duct is contained within the parenchyma of the left salivary gland at this point the clinical relevance is questionable.

REFERRING VET

Hampton Vet
Hospital

Right sided excision of the right mandibular and monostomatic salivary gland is the therapy of choice.

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Reactive hyperplasia of the tributary lymph nodes of the skull.

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The fusiform shaped structure at the ventral aspect of the trachea can present a branchiogenic cyst, ectopic thyroid tissue, aberrant lymphoid tissue. Ultrasound guided FNA sampling can be used as an advanced diagnostic test.



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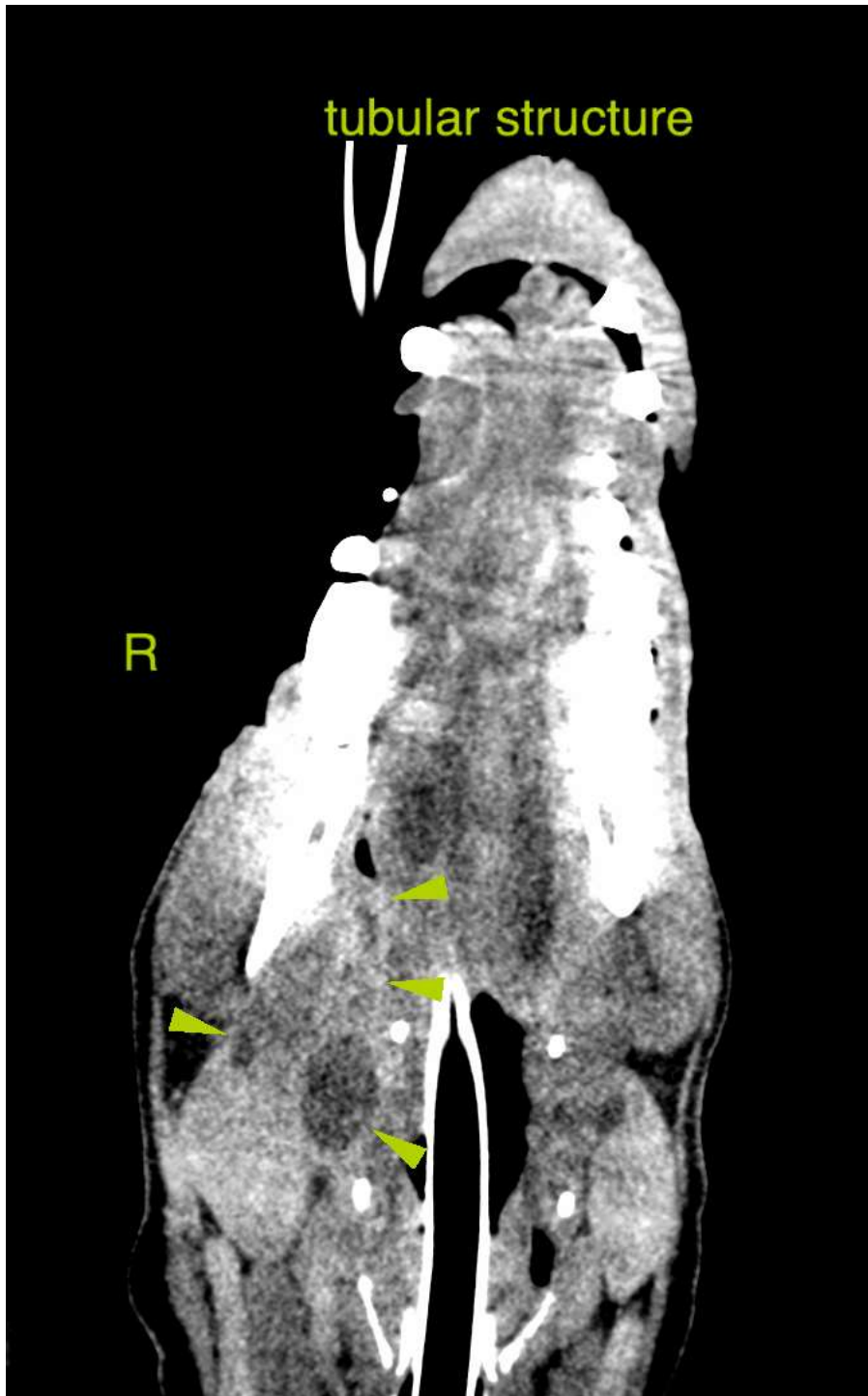
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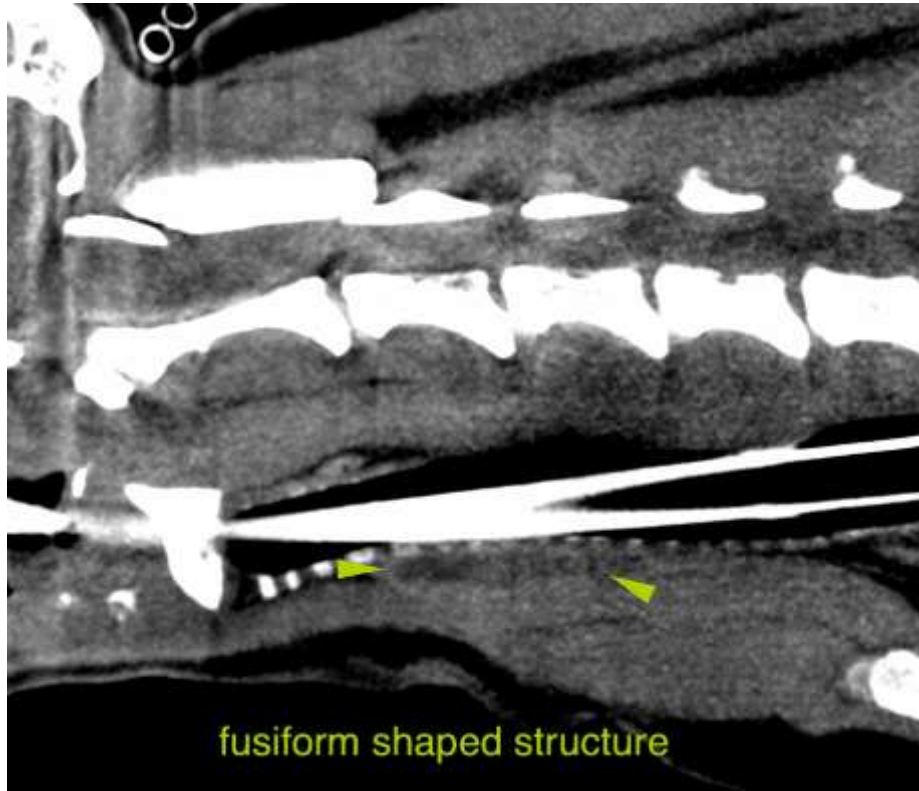
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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