



PATIENT PRESENTING CLINICAL SIGNS

Donatello Hurtado Episodes of acute dyspnea/respiratory difficulty, nasal discharge, hypersalivation, acute refractory vomiting and chronic regurgitation.

SPECIES COMPUTED TOMOGRAPHY OF THE SKULL & THORAX

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

COMPUTED TOMOGRAPHIC FINDINGS

BREED Skull

French Bulldog A supernumerary triadan 102&202 is appreciated. There is moderate crowding and rotation of the maxillary premolar and molar teeth. Triadan 305, 311, 405 and 411 are absent.

SEX The nasal cavity presents the expected aerated spaces between thin & even conchae and turbinates with smooth mucosal lining. Mild aberrant conchal growth bilaterally is appreciated. The soft palate is moderately thickened.

Male Intact

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

AGE

1 Year, 10 Months

The left tympanic bulla is filled with soft tissue attenuating and non-contrast enhancing material. 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.

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.

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Thorax

Multiple hemi- and block-vertebra are seen along the thoracic spine. Multifocal ventral spondylosis formation is appreciated.

REFERRING VET

Borecky

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.

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

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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.

The parenchyma of the cranial part of the left cranial lung lobe presents a mild irregular ground glass attenuating pattern. The remainder of the lung parenchyma present the expected architecture and attenuation behavior.

DATE

6-2-22

Small incidental gas pockets are seen within the esophageal lumen, there is no evidence of abnormal dilation. The esophageal wall of the caudal intrathoracic segment is moderately thickened.



PATIENT **COMPUTED TOMOGRAPHIC DIAGNOSIS**

Donatello Hurtado

- Aberrant nasal conchal growth
- Thickened soft palate
- Moderate unstructured interstitial pattern cranial part of the left cranial lung lobe
- Suspect mural thickening of the caudal esophageal segment
- Left sided otitis media – potentially primary secretory
- Supernumerary upper incisors bilaterally
- Multiple absent teeth
- Multiple hemi- and block-vertebra along the thoracic spine

SPECIES

Canine

BREED

French Bulldog

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

SEX

Male Intact

The findings of the upper airways indicate brachycephalic obstructive airway syndrome (BOAS). Consider endoscopic evaluation of the upper airways and staphylectomy might be beneficial. The thickened esophageal wall is highly suggestive for secondary esophagitis – due to reflux ± sliding hiatal hernia (not appreciated in the current CT study). Complementing possible surgical management of BOAS by gastric protection therapy is mandatory.

AGE

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The interstitial pattern of the left cranial lung lobe is concerning for accompanying pneumonitis.

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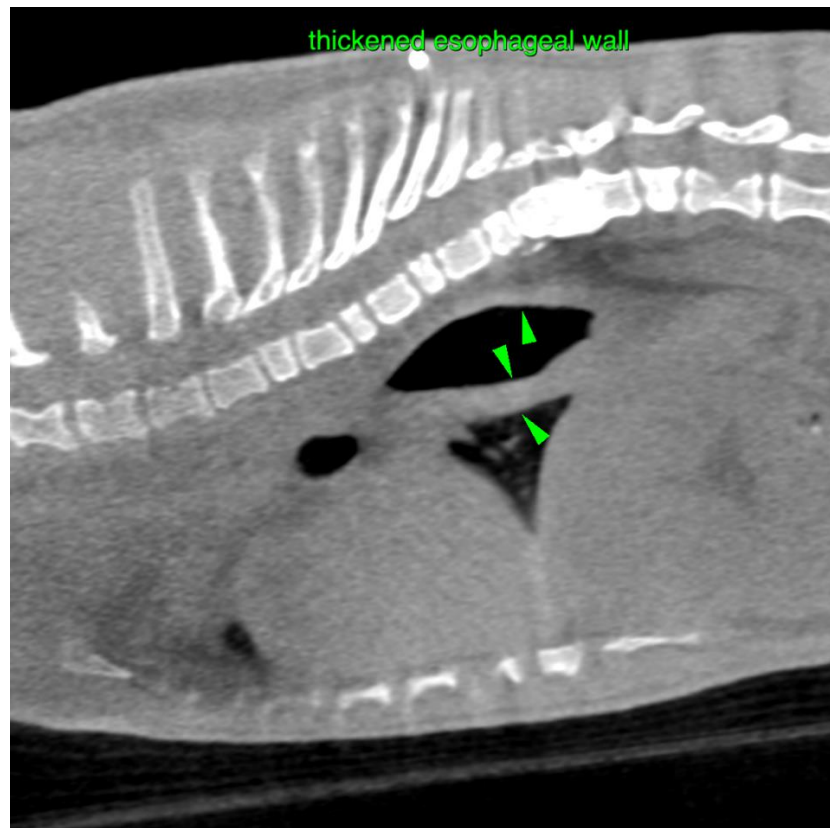
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PATIENT

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SPECIES

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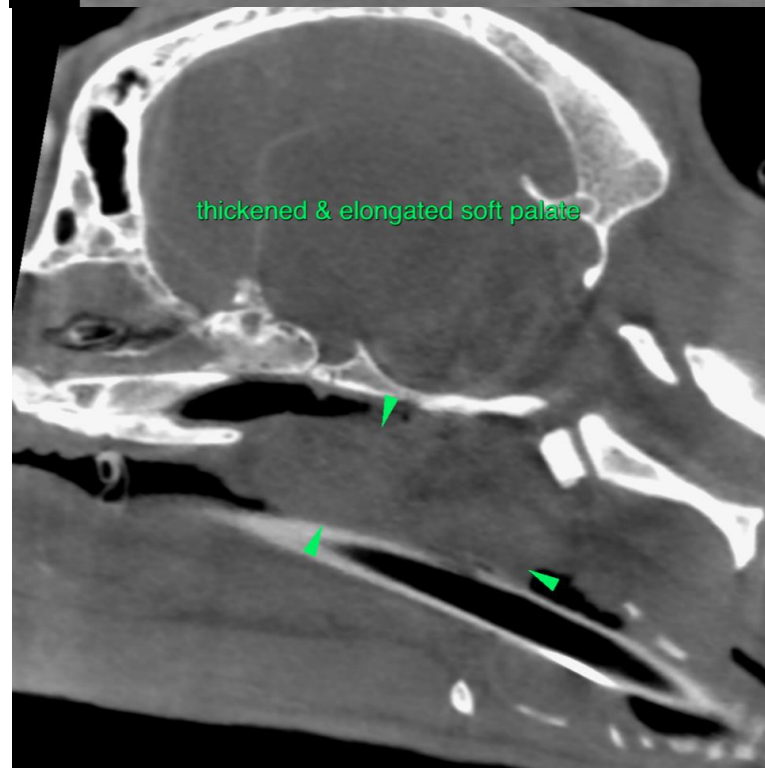
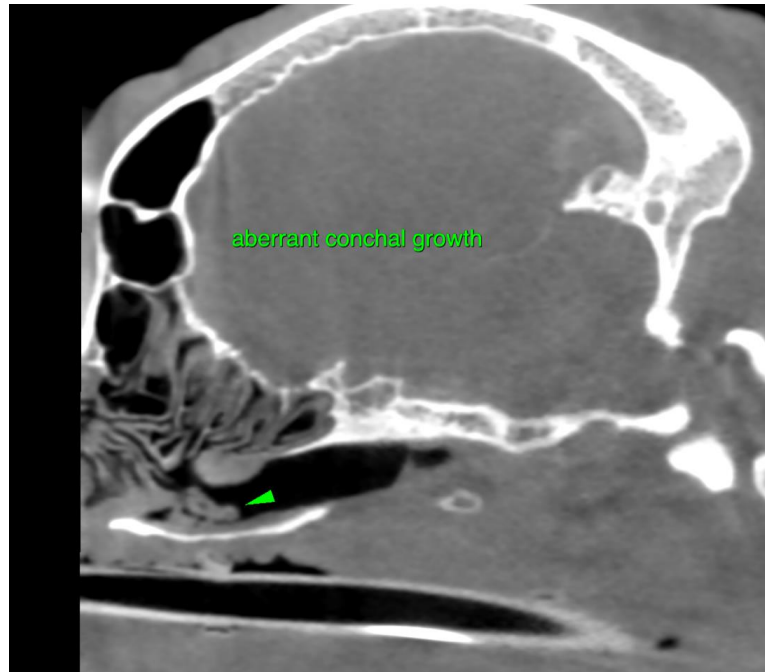
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PATIENT

Donatello Hurtado

SPECIES

Canine

BREED

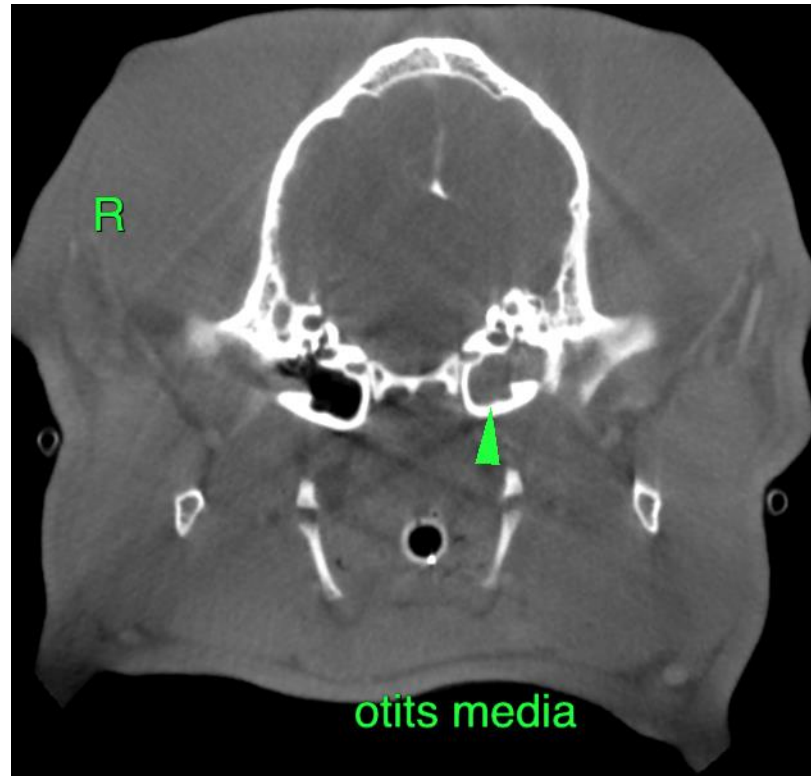
French Bulldog

SEX

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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.

REFERRING VET

Borecky

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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