



PATIENT PRESENTING CLINICAL SIGNS

PATIENT Spencer Castro Reason for today's visit: vomiting blood. O heard pt hacking around 8PM as if trying to get a hairball out but only got out a little bit of clear mucus. Shortly after that pt actually vomited dark red colored liquid, no foam. Pt does vomit up hairballs. Mostly indoor, but will be let outside if O is outside. O says pt is still acting himself otherwise. Nothing pt could have gotten into, does not like getting into other things and does not have any toys. Only new change in the house is a new puppy, has had for about a month and a half. O said pt has an upper respiratory issues on and off her rDVM thinks it is allergy related due to it being worse in the spring/summer months. No diarrhea that O is aware of.

SPECIES Feline

BREED DSH

Abnormal PE/Chem/CBC/UA Results: WBC 33.51, Neutrophils 29.21, Monocytes 1.38, Eosinophils 0.11, Plateletcrit 0.88, BUN 15, Sodium 169, Total Protein 9.3, Globulin 7.0, ALP 12, Temperature 104.1F

COMPUTED TOMOGRAPHIC STUDY OF THE HEAD, THORAX AND ABDOMEN

SEX A pre- and post-contrast CT study of the head, thorax and abdomen are provided for review totaling four series. One pre-contrast series of the head, soft tissue algorithm. One post-contrast series of the head, soft tissue algorithm. One pre-contrast of the thorax and abdomen, One post-contrast of the thorax and abdomen soft tissue algorithm.

NM

AGE COMPUTED TOMOGRAPHIC FINDINGS

9 Years HEAD

INTERPRETED BY

Tilde Rodrigues Froes, DMV, MSc., Dr. Med Vet., Dipl. CBraRVet

Multilobulated, vegetative appearance and heterogenous soft tissue attenuating masses are seen in the region of the nasopharynx and larynx, causing airway obstruction of more than 95% of the air passage in some parts. Due to the vegetative and multilobulated appearance, exact measurements are difficult. The mass measures approximately 2.4cm x 1.6cm x 1.0cm. On the post-contrast series, the masses present heterogeneous enhancement within mixed hypoattenuating and enhancing areas. These masses are contiguous to the right and left tympanic bullae.

Moderate hypoattenuating fluid material is seen within the choana and surrounding the masses.

HOSPITAL NAME

Neel Veterinary Hospital

The nasal turbinates are asymmetrical with moderate loss of turbinate architecture, mild multifocal hypoattenuating fluid material, and mucosal enhancement. The lesions are more prominent in the right nasal cavity. No evident mass effect is seen in the nasal cavities.

The right frontal sinus is rudimentary. The left frontal sinus is unremarkable.

REFERRING VET

Deepan Kishore, DVM,MS, DABVP

The sphenoidal sinuses are unremarkable.

The nasopharynx and larynx are normal.

The cribriform plate is intact.

INVOICE

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The left tympanic bulla is entirely filled with mixed attenuation material, predominantly hypoattenuating fluid material. Also, there is an expansile appearance, and signs of hyperostosis. However, no evidence of osteolytic changes. The right tympanic bulla is partially filled with hypoattenuating fluid material, normal contour, and shape. The external auditory canals are unremarkable.

DATE

6-21-23



PATIENT

Spencer Castro
 No mass effect is seen in the brain or abnormal enhancing.
 The temporomandibular joints are bilaterally congruent.

SPECIES

Feline
 A few missing teeth are noted. The triadans 106 and 209 are absent. An enamel fracture of the triadan 103 is seen. There is mild horizontal and vertical bone loss along the maxilla and mandibula.

The globes and retrobulbar spaces are unremarkable.

BREED

DSH
 The retropharyngeal lymph nodes are asymmetrical and mildly enlarged. LRFL measures approximately 0.57cm thickened. RRLF measures approximately 0.46cm thickening.

The mandibular lymph nodes are unremarkable. The left deep cervical lymph node is mildly enlarged and homogeneously attenuating.

SEX

THORAX

NM

The trachea is normal in luminal diameter and position.

AGE

9 Years
 The lumen of the main bronchus is normal.

The lung lobes are normal in volume expansion and attenuation.

The cardiac silhouette and pulmonary vessels are normal. The contrast media adequately fills the cardiac chambers and vessels on post-contrast series.

INTERPRETED BY

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 DMV, MSc., Dr. Med
 Vet., Dipl. CBraRVet

The tracheobronchial lymph nodes are normal.

The sternal, mediastinal, and cranial mediastinal lymph nodes are unremarkable.

The pleural space and diaphragm are normal.

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ABDOMEN

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The liver is homogeneously soft tissue attenuating and uniformly contrast enhancing with normal size and shape. The gallbladder is unremarkable.

REFERRING VET

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 DVM,MS, DABVP

The stomach is abnormally dilatated and contains a moderate to severe amount of gas admixed with homogeneous opaque fluid material, which redistributes with the patient position.

The small intestines are normally distributed, moderately dilatated, contain a moderate amount of gas, and homogeneous soft tissue fluid material.

No evidence of radiopaque gastrointestinal foreign material or mechanical obstruction.

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The spleen is mildly enlarged, homogeneously soft tissue attenuating, and uniformly contrast enhancing, likely correlated to the anesthesia.

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The colon contains gas admixed with heterogeneously dense soft tissue attenuating fecal material.



PATIENT

Spencer Castro
 The pancreas and mesentery are normal.
 The abdominal lymph nodes and adrenal glands are normal.

SPECIES

Feline
 The renal silhouettes are normal in size, shape, contour, and attenuation pre- and post-contrast. The renal length is 4.5cm in the right kidney and 4.6cm in the left kidney.

The urinary bladder is not collimated.

BREED

The abdominal serosal detail is normal, no mass effect is identified.

DSH

COMPUTED TOMOGRAPHIC DIAGNOSIS

SEX

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- Nasopharyngeal multilobulated vegetative masses obstructing more than 95% of the airway passage. The differential diagnosis includes neoplasm, for example, laryngeal/nasopharyngeal lymphoma, squamous cell carcinoma, neuroendocrine tumor. Due to the heterogeneous aspect of the masses, nasopharyngeal polyp is less likely.
- Bilateral mild chronic destructive rhinitis and fluid accumulation, more right side.
- Bilateral chronic otitis media (> left side).
- Mild enlarged retropharyngeal lymph nodes and left side deep cervical, lymphadenitis, metastatic or reactive.
- Few absent teeth, enamel fracture of the triadan 103, and mild periodontal disease.
- Normal thorax, no evidence of pulmonary metastatic disease.
- Abnormal gastrointestinal distension, predominantly gas content, likely correlated with aerophagy

INTERPRETED BY

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 DMV, MSc., Dr. Med
 Vet., Dipl. CBraRVet

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

To confirm the etiological diagnosis of the nasopharyngeal masses, a biopsy is required. Consider endoscopy as a further approach.

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Bilateral destructive rhinitis is seen and more prominent on the right side and is correlated to the patient history. The differential diagnosis includes allergic rhinitis, inflammatory lymphocytic plasmocytic, fungal rhinitis, viral rhinitis, and/or concurrent bacterial. Nasal flush biopsy is suggested for confirmation.

The chronic otitis media commonly is correlated to the obstruction of the Eustachian tube.

REFERRING VET

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 DVM,MS, DABVP

Correlate oral/dental findings with oral exam.

No evidence of gastrointestinal obstructive process, radiopaque foreign material, or abnormal wall thickening. Consider aerophagy as the etiology of the abnormal distention.

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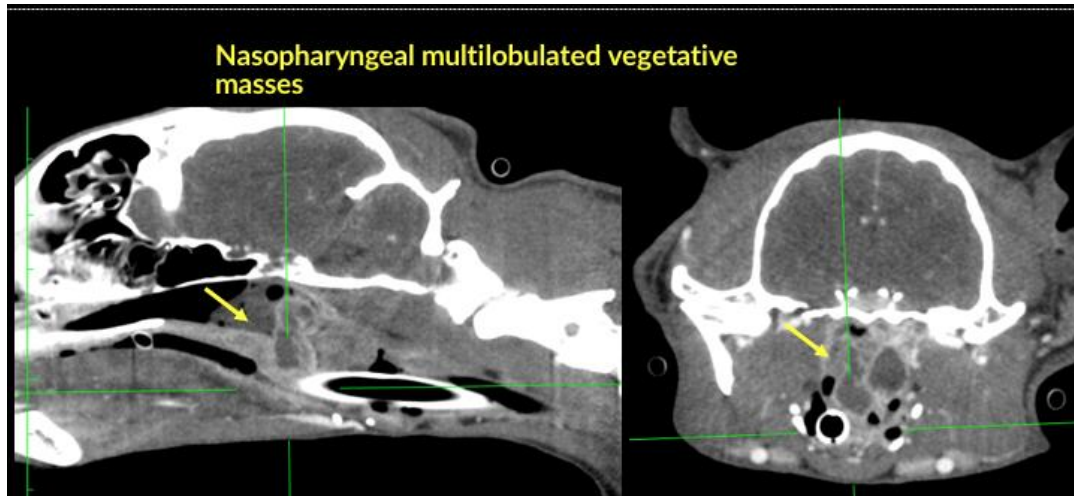
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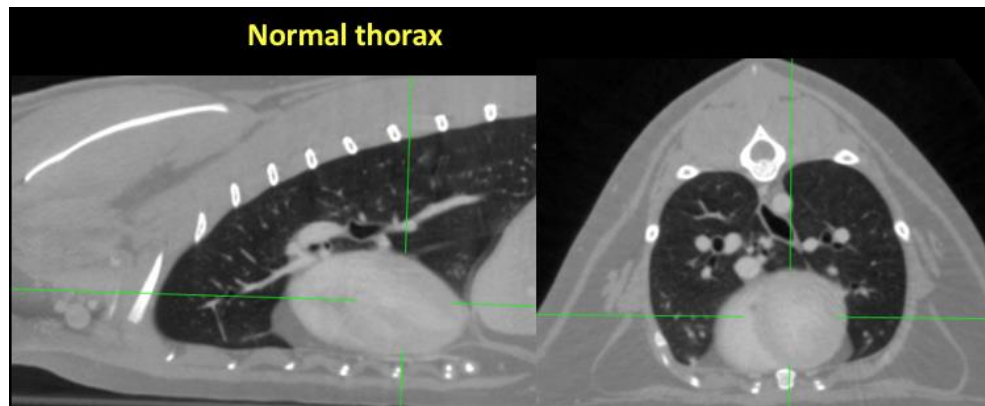
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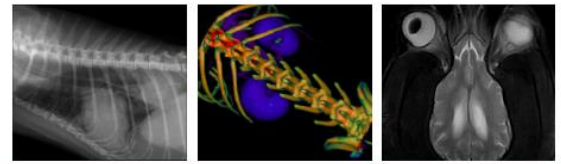
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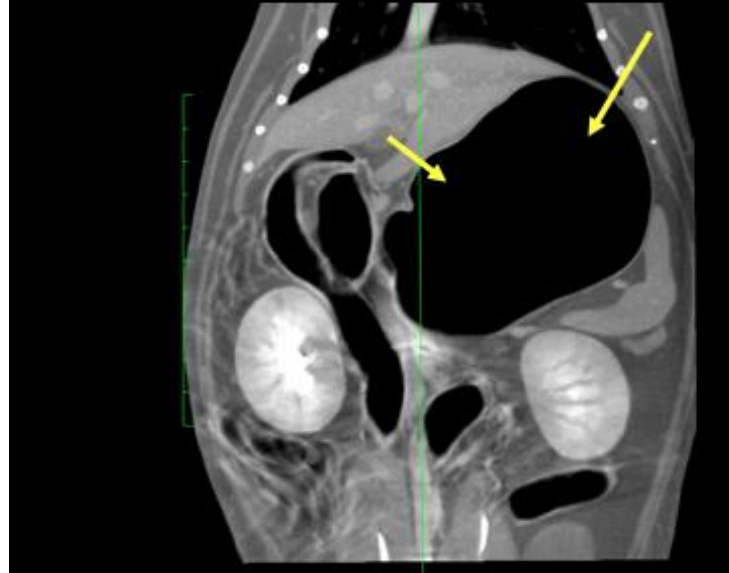
SEX

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AGE

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Abnormal gastric distension



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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.

HOSPITAL NAME

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Hospital

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