

PATIENT

Ho Nguyen

SPECIES

Feline

BREED

DSH

SEX

Neutered Male

AGE

7 Years

WEIGHT

9.54

INTERPRETED BY

Heike Rudorf, DVM, Dr.
med. Vet., DipECVDF
DVR

IMAGING PERFORMED BY

Valentina

HOSPITAL NAME

DPC VH

REFERRING VET

Dr. Rivera

INVOICE

35352

DATE

1/9/26

PRESENTING CLINICAL SIGNS

History: Ho, 7y/o NM DSH, O reports that yesterday the patient had difficulty breathing, which improved after opening the window and using an air purifier. The patient again experienced difficulty breathing, lay down, exhibited open-mouth breathing, and defecated. - Owner states the patient sometimes gasps for air with open-mouth breathing. - Last episode occurred yesterday at 7:00pm. Owner mentions a history of digestive problems, including vomiting after eating quickly and possible issues since young age.

Abnormal PE/Chem/CBC/UA Results: grade I-II/V heart murmur decreased bronchovesicular sounds (R>>L) Hx of coughing CBC: RBC 5.28 (6.54-12.20), HCT 25.6% (30.3-52.3), HGB 7.8 (9.8-16.2), WBC 21.38 (2.87-17.02), NEU 12.36 (2.30-10.29), LYM 8.0 (0.92-6.88), PLT 121 (151-600) CHEM: GLU 166 (74-159), SDMA 16 (0-14), ALT <10 (12-130) UA (cysto): SG 1.015, PRO trace, BLD 10Ery/uL, WBC 2/hpf, RBC <1/hpf, no bacteria or crystals detected TT4: WNL FeLV/FIV/HW: negative.

RADIOGRAPHIC STUDY OF THE THORAX AND ABDOMEN

The body condition score is 6/9 with smooth, alternating layers of fat and soft tissue opacity.

The bony structures are within normal limits.

Thorax

The cranial mediastinum is of physiological size and opacity. The trachea diverges from the thoracic vertebrae and the carina is located level with T5.

The degree of pulmonary expansion is very good and the angle of the diaphragm is steep. The lung lobes extend to the thoracic boundaries. Pulmonary vessels are visible to the secondary branches and their edges are blurred; they are accompanied by enhancement of bronchi. Some doughnuts are present in the caudal lobes, along the main vessels.

The cardiac silhouette occupies 75% of the chest height and 2.5 intercostal spaces. The caudal heart border is straight and bi-atrial enlargement results in a valentine shape of the cardiac silhouette on the VD.

Abdomen

Diaphragm and abdominal wall are intact. The fat surrounding the pylorus has a striated appearance.

The liver is located within the costal arch and the caudo-ventral lobe is pointed.

A splenic shadow is not clearly outlined.

The stomach is moderately distended with food. The small intestinal loops are located in the mid abdomen and individual loops are not outlined by mesenteric fat. The colon is S-shaped and mainly located in the right abdomen.

Both renal shadows are present and visible on the lateral views, on the VD they are obscured by intestinal loops. The bladder shadow is difficult to see.

The sublumbar region appears physiological.

RADIOGRAPHIC DIAGNOSIS

- Valentine shape of the heart
- Interstitial infiltrate
- Bronchial component



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- Overexpanded lungs
- Mid-ventral loss of abdominal detail
- Localized fat stranding
- Poorly outlined intestinal loops

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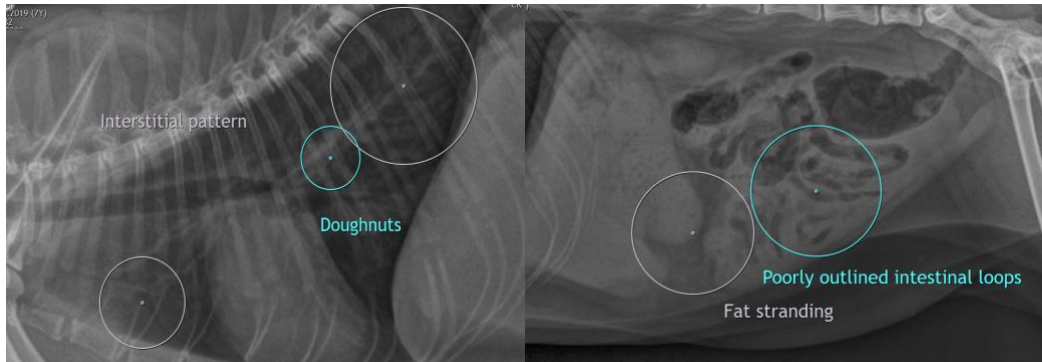
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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The shape of the cardiac silhouette is compatible with HCM. Thus, interstitial edema is likely present. An overexpanded lung field with bronchial markings is compatible with feline asthma. Echocardiography and initial diuretic treatment are recommended. The altered appearance of the abdominal fat can be due to inflammation, mesenteric edema or tumor seeding. Poorly outlined small intestinal loops despite a physiological body condition score, can be due to infiltrate (inflammatory, tumor e.g., lymphoma). Abdominal ultrasound is recommended.



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.

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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