



## PATIENT

Max Culcay

## SPECIES

Canine

## BREED

Puggle

## SEX

Male

## AGE

7Y

## WEIGHT

40lbs

## INTERPRETED BY

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

## IMAGING PERFORMED BY

Carmen

## HOSPITAL NAME

Animal Clinic of  
Queens

## REFERRING VET

Dr. Singh

## INVOICE

74805

## DATE

4-28-26

## PRESENTING CLINICAL SIGNS

Pt has 5/6 HM.

Echo: Degenerative mitral valve disease - ACVIM stage b2, Pulmonary hypertension (mild to moderate)

Blood Pressure: 165/112

Pt started coughing today. Has been of meds (pimobendan, enalapril) for one week.

## RADIOGRAPHIC STUDY OF THE THORAX & ABDOMEN

Orthogonal views of the thorax and abdomen are available for review totaling six images. Two ventrodorsal view. Four lateral views.

## RADIOGRAPHIC FINDINGS

### THORAX

The trachea is normal in position and diameter.

The esophagus is unremarkable.

The cardiac silhouette is normal size and shape (VHS ~10.5, VLAS 2.1, normal range), occupying approximately 60% of thoracic width and 3.0 intercostal spaces.

Pulmonary parenchyma is within normal limits in opacity and distribution. No evidence of interstitial or alveolar pulmonary pattern.

Pulmonary vessels are within normal limits in size and relationship.

The pleural space and mediastinum are unremarkable.

The diaphragm, ribs, and thoracic wall are within normal limits.

### ABDOMEN

The stomach is moderately distended with mixed gas and heterogeneous ingesta; normal position.

Small intestinal loops and duodenum are normally distributed and not distended.

The liver, spleen, and left kidney are within normal radiographic limits.

The right kidney is not distinctly visualized, likely due to summation.

The colon contains a mild amount of heterogeneous fecal material; normal position.

Abdominal serosal detail is preserved.

The urinary bladder is moderately distended with homogeneous soft tissue opacity content; normal contour.

The prostate is at the upper limits of normal size, with normal shape and opacity.



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Included musculoskeletal structures are unremarkable.

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## RADIOGRAPHIC DIAGNOSIS

- Cardiac silhouette within normal radiographic size limits, normal shape, the vertebral left atrial size (VLAS) is within normal limits.
- Normal pulmonary parenchyma and pulmonary vessels.
- Moderate gastric distension with mixed ingesta and gas, likely incidental.
- Otherwise, normal abdomen.

## INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

There is no radiographic evidence of active congestive heart failure. Despite the history of mitral valve disease (ACVIM Stage B2) with pulmonary hypertension and systemic hypertension, the cardiac silhouette and VLAS are within normal radiographic limits, and no pulmonary parenchymal changes suggestive of cardiogenic edema are identified. The current coughing episode is therefore not supported as cardiogenic in origin based on these radiographs.

However, given the one-week medication withdrawal (pimobendan and enalapril), resumption of cardiac therapy is recommended. Non-cardiogenic causes of cough should be investigated, including airway disease and respiratory infection. Correlation with echocardiographic reassessment and blood pressure monitoring is advised given the documented pulmonary hypertension and systemic hypertension.

## TECHNICAL COMMENTS

Mild obliquity is present on the left lateral projection.

### Normal lungs and pulmonar vessels





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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.

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