



**RESENTING CLINICAL SIGNS**

**DATE**

4/6/22

History: Presented a few days ago for lethargy, anorexia, and vomiting. PE- dull, depressed, altered mentation, febrile, conjunctivitis, UTI. Improving with IVF and antibiotics. Grade 2-3 left-sided murmur.

**ECHOCARDIOGRAPHIC FINDINGS**

**PERFORMED BY:**

Dr. Brian Barnes

**INTERPRETED BY**

Keith Blass, DVM,  
MS, DACVIM  
(Cardiology)

2D, M-mode, and Doppler study.

Left atrial size is normal. The mitral valve leaflets are thickened, and there appears to be a ruptured chorda tendina. A mild to moderate jet of eccentric mitral regurgitation is present. Left ventricular dimensions are normal. Left ventricular systolic function is normal. The aorta and aortic valve are normal. Right atrial and right ventricular dimensions are normal. The tricuspid valve leaflets are very mildly thickened, and a very mild jet of tricuspid regurgitation is present. The pulmonary artery and pulmonic valve appear normal, though trace pulmonic insufficiency is present. No pericardial effusion or cardiac masses are seen.

ECG during echo: Sinus rhythm with a single VPC

**PATIENT**

Gifford King

**SPECIES**

Canine

LA - 40.1 mm  
LVIDd - 46.3 mm  
LVIDs - 31.5 mm  
FS - 32%  
LVOT - 1.32 m/s  
RVOT - 0.67 m/s  
TR - 2.09 m/s

**BREED**

Golden Retriever

**ASSESSMENT/RECOMMENDATIONS**

Degenerative mitral and tricuspid valve disease  
Ventricular premature complex (VPC)

**SEX**

**MN**

**AGE**

8 y

This examination demonstrates regurgitation of blood across Gifford's mitral and tricuspid valves resulting from degenerative valve disease. Gifford's tricuspid valve disease is very mild, and appears to be well-compensated at this time. His mitral valve disease is a bit more advanced, as Gifford has mild to moderate mitral regurgitation present, as well as what appears to be a ruptured mitral chorda tendina (whether this just occurred or has been present for some time cannot be determined), however, he does not have secondary dilation of either of his left heart chambers. As such, Gifford's mitral valve disease appears to be well-compensated, and his current risk for the development of clinical signs secondary to it appears to be low (however, given the presence of a ruptured chord, careful monitoring of his respiratory rate is recommended over the next 24 hours).

**WEIGHT**

42.4 kg

Gifford's ECG demonstrates the presence of a single VPC.

No therapy is recommended at this stage of Gifford's valvular diseases or arrhythmia.

**HOSPITAL NAME**

Westview VH

A recheck echocardiogram and ECG are recommended in 6 months.

**REFERRING VET**

Dr. Barnes



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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.

PATIENT

Gifford King

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.

SPECIES

Canine

Keith Blass, DVM, MS, DACVIM (Cardiology)  
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631-804-5754

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Golden Retriever

SEX

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