
**DATE PRESENTING CLINICAL SIGNS**

8/29/22

History: Was under anesthesia a few days ago and had four distinct episodes of tachycardia (suspected ventricular tachycardia) that each responded to a lidocaine bolus. No murmur. BNP normal.

**PERFORMED BY: ECHOCARDIOGRAPHIC FINDINGS**

2D, M-mode, and Doppler study.

Dr. Meredith Swart

**INTERPRETED BY**

 Keith Blass, DVM,  
 MS, DACVIM  
 (Cardiology)

Left atrial size is normal. The mitral valve is normal. Left ventricular wall thickness is normal. Left ventricular internal dimensions are normal. Left ventricular systolic function is hyperdynamic. The aorta and aortic valve are normal. Right atrial and right ventricular dimensions are normal. The tricuspid valve is normal. The pulmonary artery and pulmonic valve are normal. No shunting lesions are visualized. No heartworms are visualized. No pericardial effusion or cardiac masses are seen.

**PATIENT**

 Fluff Springfield KCS  
 Rescue

 LA - 12.7 mm  
 LA/Ao - 1.34  
 IVSd - 3.5 mm  
 LVPWd - 3.5 mm  
 LVIDd - 11.9 mm  
 LVIDs - 4.1 mm  
 FS - 65.5%  
 RA - 10.2 mm  
 LVOT - 1.23 m/s  
 RVOT - 0.92 m/s

**SPECIES**

Feline

**ASSESSMENT/RECOMMENDATIONS**
**BREED**

Normal echocardiogram

**DLH**

This examination demonstrates no evidence of structural heart disease. As such, no reason for Fluff's paroxysms of tachycardia during anesthesia is appreciated in the image set. It's possible that Fluff could suffer from primary cardiac conduction system disease or a non-cardiac disease that can result in arrhythmia formation (ex. splenic disease), though consideration should be given to an effect of one or more anesthetic drugs given or pain during the procedure as possible causes of the tachycardia.

**SEX**

FS

Given Fluff's previous anesthetic reaction, I recommend avoiding the use of the same anesthetic protocol, as well as avoiding the use of medications that can result in premature beats, such as ketamine, telazol, and anticholinergics. Lidocaine should again be available, if needed.

**AGE**

~2 y

A Holter monitor can be considered to determine if at-home anti-arrhythmia therapy is needed. No therapy is recommended based on Fluff's echocardiogram.

**WEIGHT**

7.2 lb

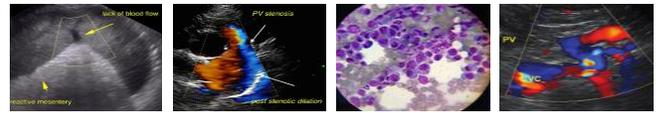
A recheck echocardiogram is recommended if new physical exam and/or clinical abnormalities suggestive of the presence of structural heart disease develop.

**HOSPITAL NAME**

 Swart Veterinary  
 Imaging

**REFERRING VET**

Dr. Swart



DATE

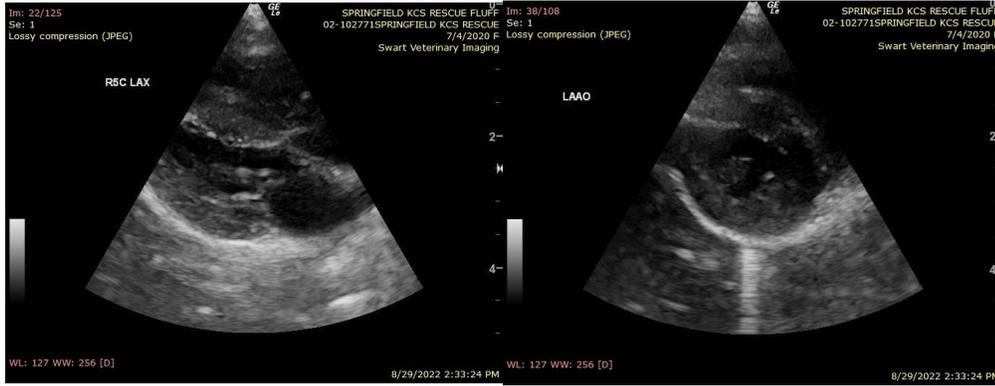
8/29/22

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(Cardiology)



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

Fluff Springfield KCS  
Rescue

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

Feline

Keith Blass, DVM, MS, DACVIM (Cardiology)

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631-804-5754

BREED

DLH

SEX

FS

AGE

~2 y

WEIGHT

7.2 lb

HOSPITAL NAME

Swart Veterinary  
Imaging

REFERRING VET

Dr. Swart