



PATIENT

Doc Fravel

SPECIES

Canine

BREED

Pit Bull Mix

SEX

MN

AGE

11 y

WEIGHT

67 lb

INTERPRETED BY

Keith Blass, DVM, MS,
DACVIM (Cardiology)

IMAGING PERFORMED BY

Dr. Rodriguez

HOSPITAL NAME

Foxfield VS

REFERRING VET

Dr. Rodriguez

INVOICE

DATE

4/22/26

PRESENTING CLINICAL SIGNS

Bradycardia. Recent echo showed mild MR/TR.

ELECTROCARDIOGRAPHIC FINDINGS

A six lead ECG is submitted for review.

Rhythm: Third-degree AV block

There is an irregular atrial rhythm. No P waves are conducting to the ventricles, consistent with third-degree AV block. There is a regular ventricular escape rhythm. The MEA is normal. All complex amplitudes and intervals are within normal limits.

ASSESSMENT/RECOMMENDATIONS

Third-degree AV block

Doc's ECG demonstrates that he is in third-degree AV block. This arrhythmia is typically due to the presence of AV nodal disease, such as idiopathic fibrosis, though it can rarely occur secondary to elevated vagal tone. Doc's AV block puts him at risk for the development of exercise intolerance, syncope, and progressive cardiomegaly, therefore, careful monitoring for these is recommended.

An atropine response test (0.04 m/kg IV followed by ECG 15-20 minutes later) is recommended to determine whether Doc's AV block is vagally-mediated.

If the arrhythmia is vagally-mediated, oral therapy with theophylline (~10 mg/kg BID) may help to improve the block and increase Doc's heart rate at home. If the block is not vagally-mediated, theophylline may be given but is unlikely to be effective. If that is the case, pacemaker therapy may be necessary if Doc's AV block persists and he exhibits clinical signs and/or progressive cardiomegaly.

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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