


PRESENTING CLINICAL SIGNS
DATE

4/25/23

History: Experienced a seizure or syncopal episode a few days ago. Has been panting and experiencing a dry cough. Has had a gradual onset of hindlimb paresis, but able to walk. PE – irregular rhythm with pulse deficits, grade 2-3/6 murmur. VHS 11.5. Echo showed right-sided volume overload and a possible RVOT mass.

PERFORMED BY:
ELECTROCARDIOGRAPHIC FINDINGS

A six lead ECG is submitted for review.

Dr. Alex McFeely

HR: 130 bpm

INTERPRETED BY

Rhythm: Sinus with VPCs

 Keith Blass, DVM,
 MS, DACVIM
 (Cardiology)

The underlying rhythm is sinus in origin. The MEA is normal. All sinus complex amplitudes and intervals are within normal limits. There are intermittent single monomorphic VPCs, the morphology of which suggests an origin in the right ventricle, including a paroxysm of ventricular bigeminy. No atrial ectopy or conduction blocks are seen.

PATIENT

Samson Mansfield

ASSESSMENT/RECOMMENDATIONS

Ventricular premature complexes (VPCs)

SPECIES

Canine

Samson's ECG demonstrates the presence of intermittent VPCs, including a single paroxysm of ventricular bigeminy. Given the reported findings of right-sided cardiac enlargement in Samson's echocardiogram, it's likely that his structural heart disease is the cause of the VPCs. The arrhythmia in the submitted ECG is too mild to be the cause of his seizure/syncopal episodes, however, it's possible that Samson's arrhythmia could be more severe intermittently. If this is the case, it could potentially be the cause of the episode and it could put Samson at risk for sudden death.

BREED

Labrador Retriever

Given that Samson reportedly suffers from relevant structural heart disease, recommended therapy to treat his arrhythmia is mexiletine (200 mg TID with food). Given Samson's hindlimb paresis, I suspect that he does not exercise much, though, if he does, moderate exercise restriction is recommended due to his arrhythmia.

SEX

A recheck ECG and/or Holter monitor is recommended in 2 weeks.

MN

AGE

11 y

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.

WEIGHT

93 lb

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.

HOSPITAL NAME

 Straley Veterinary
 Associates

Keith Blass, DVM, MS, DACVIM (Cardiology)

KeithBlass@gmail.com

631-804-5754

REFERRING VET

Dr. McFeely



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