



PRESENTING CLINICAL SIGNS

DATE History: Arrhythmia noted during PE. Neurologic signs. Suspicion for brain lesion/tumor and cardiomyopathy. Echo pending.

12/21/21

ELECTROCARDIOGRAPHIC FINDINGS

A single lead ECG is submitted for review.

PERFORMED BY:

HR: 75-166 bpm

Crystal Hill

Rhythm: Sinus with an accelerated ventricular rhythm

INTERPRETED BY

The underlying rhythm is sinus in origin. All sinus complex amplitudes and intervals are within normal limits. Competing with the sinus rhythm, there is an independent ventricular arrhythmia whose maximum heart rate is ~166 bpm. No atrial ectopy or conduction blocks are seen.

Keith Blass, DVM,
MS, DACVIM
(Cardiology)

ASSESSMENT/RECOMMENDATIONS

PATIENT

Luke's ECG demonstrates the presence of a ventricular rhythm that is competing with the sinus node for capture of his heart beat. As the ventricular rhythm is only discharging at a maximum rate of ~166 bpm, it is not a true ventricular tachycardia, but, rather, likely represents a subsidiary pacemaker that is either discharging at a slightly higher than normal rate and outcompeting the sinus node at times or is discharging at a normal rate in the face of a sinus node that is discharging at a lower than normal rate. This can occur in the presence of structural heart disease or non-cardiac systemic disease, and is often self-resolving if the underlying cause can be identified and treated, though it can potentially be persistent if sinus node dysfunction is present.

Luke Walker

SPECIES

Feline

As Luke's heart rate is normal, antiarrhythmic therapy is unlikely to be necessary at this time, though careful monitoring of his heart rhythm is recommended.

BREED

A recheck ECG is recommended in 5-7 days, sooner if new clinical signs compatible with an arrhythmia develop.

DSH

SEX

MN

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.

AGE

13 y

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.

WEIGHT

Keith Blass, DVM, MS, DACVIM (Cardiology)

5.3 kg

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631-804-5754

HOSPITAL NAME

Beatties PH Stoney
Creek

REFERRING VET

Dr. Baskin



DATE

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PERFORMED BY:

Crystal Hill

INTERPRETED BY

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PATIENT

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