



## PATIENT

Sierra Springfield

## SPECIES

Feline

## BREED

DSH

## SEX

F

## AGE

5years

## WEIGHT

10lbs

## INTERPRETED BY

Maggie Machen Lamy,  
DVM, DACVIM  
(Cardiology)

## IMAGING PERFORMED BY

Dr. Agnes Rupley

## HOSPITAL NAME

All Pets Medical  
Center

## REFERRING VET

Dr. Rupley

## INVOICE

23055

## DATE

3/10/22

## PRESENTING CLINICAL SIGNS

History: Anesthetized for extraction for and teeth cleaning. Gabapentin received the evening prior (to decrease aggression for visit). She became ataxic so owner did not administer a morning dose. Has received gaba previously with no issues.

Anesthesia protocol: torb/buprenex, propofol, isoflurane. ECG obtained following intubation showing ventricular beats and bradycardia. Lightened anesthetic plan and HR improved  
LAB RESULTS: Chemistry panel reveals albumin at high end of normal, elevated calcium at 12.9 (has been elevated previously, but normal on last two tests) and elevated creatinine at 1.6 (chronic and stable). Recent urinalysis showed concentrating ability of the kidneys with specific gravity of 1.048. CBC results pending.

**ELECTROCARDIOGRAPHIC FINDINGS** \*Note: Single lead ECGs are evaluated as a rhythm strip. Morphology/MEA cannot be definitively commented on.

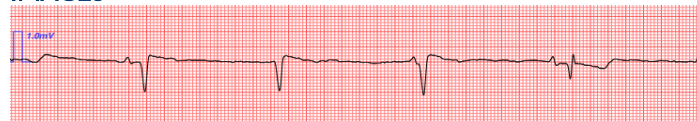
Multiple single lead ECGs are available; 50mm/s, 10mm/mV. The initial tracings show a sinus bradycardia with an average HR of 120bpm. When the sinus rate slows, a ventricular escape rhythm initiates with a HR of 90bpm. Resolves when the sinus rate increases appropriately. The later tracings (presumably when anesthesia was reduced) show a sinus rhythm with improved HR of 180bpm. No ectopic beats, pauses or other dysrhythmias observed.  
ECG diagnosis: Sinus bradycardia with an appropriate escape rhythm.

## INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The ECG shows a sinus bradycardia with an appropriate escape foci firing in times of bradycardia. When the normal sinus rate slows for any reason (sedation, AV block, sinus arrest, etc), this escape rhythm initiates to maintain cardiac output. Once the sinus rate increases, the escape rhythm discontinues as is seen in the first strip.

No pathologic arrhythmias are seen on this tracing.

## IMAGES



Ventricular escape rhythm



NSR

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.

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.

**Maggie Machen Lamy, DVM**

**Diplomate of the American College of Veterinary Internal Medicine (Cardiology)**

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