

Initial treatment date
3/4/2021

Patient ID
20045873

Species
Feline

Breed
Domestic Short Hair

Sex
Male Neutered

Age
9.00

Weight in kg
4.7

Diagnosis (or differential list)

Hypertrophic Obstructive Cardiomyopathy (HOCM), pericardial effusion

Case presentation

Patient presented for a cardiology consultation following a rDVM diagnosed heart murmur and gallop rhythm. Physical examination: auscultated grade II/VI left cranial sternal systolic murmur; irregular rhythm occurring in a bigeminal rhythm with intermittent pulse deficits. Electrocardiogram performed: sinus rhythm/arrhythmia with frequent ventricular premature beats of single ectopy as well as in bigeminal fashion. Echocardiogram interpretation: left ventricle mildly eccentrically hypertrophied, left atrium severely enlarged, and systolic anterior motion of the mitral valve on right parasternal four chamber long axis view; mild mitral valve regurgitation on color flow Doppler, scant pericardial effusion observed; M-Mode measurements: left atrium/aorta ratio (La/Ao): 2.38 (increased), left ventricle fractional shortening (FS): 49%.

Advanced skills the applicant performed

Identify abnormal rhythms on auscultation (4)
Acquire and print a rhythm strip (35)
Identify ventricular premature complexes on an ECG (59)
Identify pericardial effusion (66)
Measure M-Mode of left ventricle fractional shortening (92)

Advanced skills the applicant assisted with

Echocardiogram

Outcome

Patient diagnosed with significant atrial eccentric enlargement as a result of diastolic impairment with cardiomyopathy which would infer significant risk for spontaneous progression to congestive heart failure or thromboembolic complications. Patient discharged with addition of medications. Start furosemide 1.06 mg/kg (5mg) PO SID to help remove excessive water from the body, enalapril 0.27 mg/kg (1.25 mg) PO BID to help circumvent some of the hormonal changes associated with heart dysfunction, and clopidogrel 3.99 mg/kg (18.75 mg) PO SID to help prevent thrombi from forming. Recheck exam and renal profile in 1-2 weeks and recheck echocardiogram in 6 months.

Don't forget to SAVE your work!

Case Log 35

Initial treatment date
3/3/2021

Patient ID
20045944

Species
Canine

Breed
Goldendoodle

Sex
Male Neutered

Age
10.92

Weight in kg
34.8

Diagnosis (or differential list)

Atrial fibrillation (AF)

Case presentation

Patient presented for a cardiology consultation due to a possible arrhythmia on a recent rDVM exam with