

PATIENT

Banjo Harris

SPECIES

Canine

BREED

Standard Poodle

SEX

Neutered male

AGE

14 years

WEIGHT

45.3 lbs

INTERPRETED BY

Bradley Harris, DVM,
 DACVECC, DACVIM
 (cardiology)

IMAGING PERFORMED BY

Ginny Dodd

HOSPITAL NAME

Monroe Road AH

REFERRING VET

Dr. Wlday

INVOICE

71942

DATE

2/25/26

PRESENTING CLINICAL SIGNS

- Seen 12/3/25 at ER- no murmur heard, diagnose hypertension BP 220- concern if excitement, renal disease, or primary hypertension. A brief ultrasound did not detect any masses
- Seen 2/18/25 for a renal panel
- On Liberal and Gabepentin
- PE: excited, HR 120, no pulse deficits, 111-1V/V1 heart murmur L heart base, mm pink, CRT < 2 sec moderate dental plaque and some tartar CBC- WNL RENAL panel- SDMA 17, creat 1.5, BUN 21, cool 303 proBNP 3090 UA 1.029, pH 8.0, urobil, +1, rest WNL

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

The left atrium is normal in dimension. The left ventricle is mildly enlarged with normal systolic function. The right atrium and ventricle are normal in dimension with normal systolic function. The anterior and posterior mitral valve leaflets are thickened and redundant consistent with myxomatous changes, and there is mild prolapse. There is mild to moderate mitral regurgitation identified. The tricuspid valve leaflets are thickened and redundant, with mild to moderate tricuspid regurgitation and no evidence of pulmonary hypertension. The left ventricular outflow tract demonstrated normal laminar flow and the visible aorta is unremarkable. The right ventricular outflow tract assessment revealed normal laminar flow and appropriate diameter and distensibility. There is trivial pulmonic and trivial aortic valve insufficiency identified. There is no visible pericardial, pleural, or free peritoneal fluid documented. No evidence of hepatic venous congestion is noted. The cardiac chambers, pericardial, and visible extra-cardiac regions were free of masses, spontaneous echo contrast, or thrombi.

CANINE CARDIAC PARAMETERS	Body Weight kg	HR BPM	LAD 4 ch Long	RAD 4 ch Long	La/Ao Heart Base	LVIDd	LVIDs
NORMAL PARAMETER		50-100			<1.6		
PATIENT	20.59 kg	90	4.82	3.53	1.37	4.58	2.79
CANINE CARDIAC PARAMETERS	FS	EPSS	PV V MAX (m/s)	AV V Max (m/sec)	MR Vmax	TR Vmax	RPA distensibility (normal >30%)
NORMAL PARAMETER	28-40	<0.6	0.7-1.6	0.7-1.7	4.5-5.5	< 2.7	
PATIENT	39	0.3	0.8	1.8	5.5	NM	NM

ULTRASONOGRAPHIC FINDINGS

These findings are consistent with degenerative/myxomatous mitral valve disease with moderate hemodynamic effects consistent with at least ACVIM Stage B1 and possibly early stage B2. Stage B2 criteria for heart enlargement that are used to identify dogs that may benefit substantially from treatment before the onset of clinical signs of heart failure include hear murmur intensity ≥3/6, echocardiographic LA/Ao in the right-sided short axis view in early diastole ≥1.6, left ventricular



PATIENT

internal diameter in diastole, normalized for body weight (LVIDDN) ≥ 1.7 , VLAS > 3, and breed-adjusted radiographic vertebral heart score (VHS) > 10.5.

Banjo Harris

SPECIES

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Canine

Given the degree of chamber dilation, an aggressive treatment approach would be to start cardiac therapy. Therapy would include enalapril or benazepril (0.5 mg/kg BID) and Vetmedin (0.25-0.35 mg/kg BID). The use of ACEi or ARB is further justified given the concern for hypertension. While there is an increased risk of IV fluids, corticosteroids, or anesthesia, there is no overt objection, as the need likely outweighs the risks. If not already performed, baseline thoracic radiographs and blood pressure are recommended. A repeat chest X-rays, BP, and chemistry should be performed again in 1-2 weeks. A repeat echo, blood pressure, chemistry panel and thoracic radiographs are indicated in 6 months.

BREED

Standard Poodle

SEX

Neutered male

As the results are on the border between stages B1 and B2 (B2 is where therapy is typically recommended), a conservative approach is to hold off on therapy and just follow the 6 month recheck plan. Either option is acceptable and should be discussed with the owner. Regardless of approach, owners should begin monitoring the resting respiratory rate. If a progressive increase in respiratory rate is seen, then evaluation by a veterinarian is necessary.

AGE

14 years

WEIGHT

45.3 lbs

Anesthesia considerations:

If anesthesia is necessary, then alpha-2 agonists, ketamine, high dose acepromazine, and Telazol should be avoided. Skip any ACE-inhibitor (if receiving) on morning of anesthesia. Fluid therapy during anesthesia should be considered at a reduced rate (e.g., 5 ml/kg/hour) if possible. A shorter anesthetic duration will reduce the risk of complications. Pre-oxygenation is advised. Pre-medication with an opioid (i.e., butorphanol, hydromorphone, oxymorphone) with or without a benzodiazepine is generally the safest protocol. An induction agent such as Propofol, alfaxalone, or diazepam/etomidate can be used to effect. Maintenance of anesthesia with isoflurane or sevoflurane is reasonable.

INTERPRETED BY

Bradley Harris, DVM,
DACVECC, DACVIM
(cardiology)

Diet:

Ensure feeding a grain-inclusive diet if possible. A high-quality food from Hills, Royal Canin, Science Diet, Eukanuba, Iams, or Purina that is highly palatable with adequate protein and calories for maintaining optimal body condition with mild dietary sodium restriction (<100 mg/100 kcal) is recommended. Consider omega-3 fatty acid supplementation.

IMAGING PERFORMED BY

Ginny Dodd

Activity:

Moderate physical activity (meandering walks, exploring the backyard, playing with toys inside, getting excited when family gets home, etc.) is encouraged, but periods of strenuous aerobic activity (jogging, strenuous outdoor ball play, prolonged play at the dog park, etc.) should be avoided, especially during periods of high heat (> 80 F) and humidity. Dogs with heart disease tend to tolerate cool and cold temperatures much better than high temperatures. Avoid sudden increases in activity (e.g. 2 block walks during the week but 2 mile walks followed by 30 minutes at the dog park on the weekends) as this may be difficult for the cardiovascular system to deal with.

HOSPITAL NAME

Monroe Road AH

REFERRING VET

Dr. WIday

INVOICE

71942

DATE

2/25/26



PATIENT

Banjo Harris

SPECIES

Canine

BREED

Standard Poodle

SEX

Neutered male

AGE

14 years

WEIGHT

45.3 lbs

INTERPRETED BY

Bradley Harris, DVM,
 DACVECC, DACVIM
 (cardiology)

IMAGING PERFORMED BY

Ginny Dodd

HOSPITAL NAME

Monroe Road AH

REFERRING VET

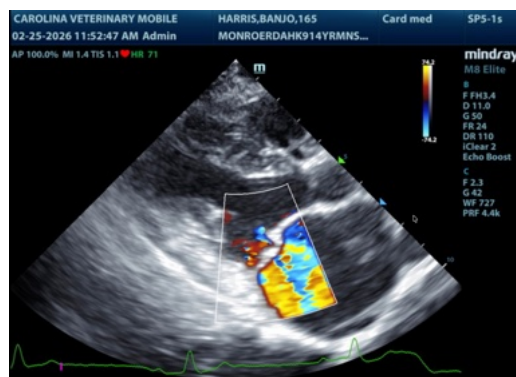
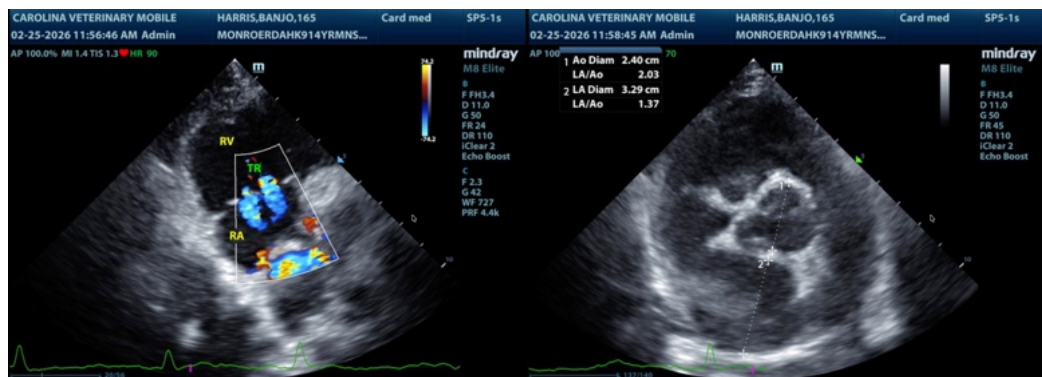
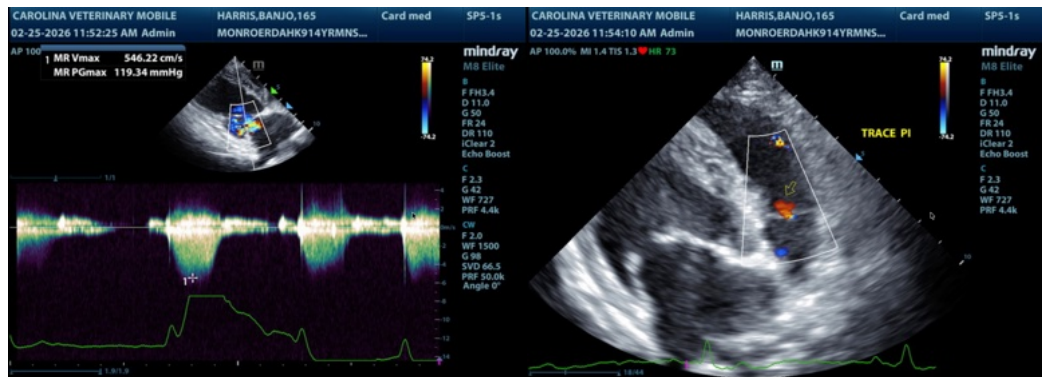
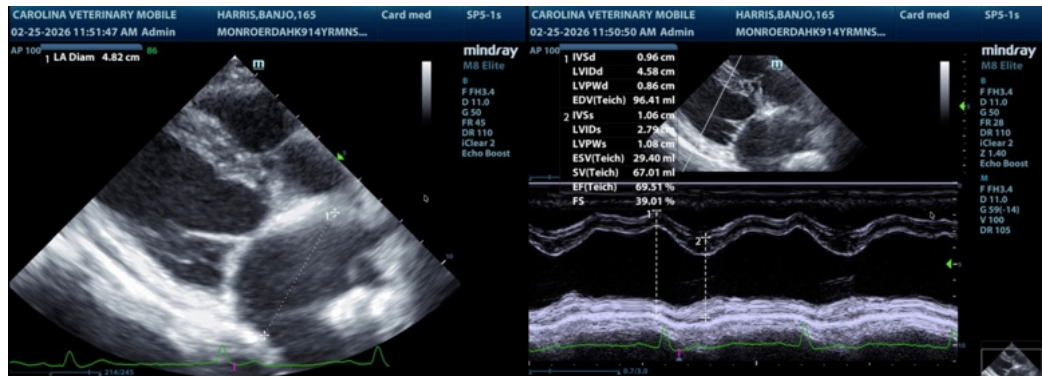
Dr. Wlday

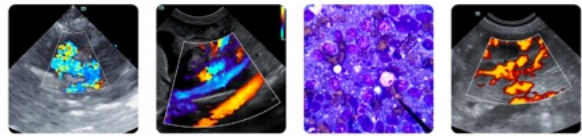
INVOICE

71942

DATE

2/25/26





PATIENT

Banjo Harris

SPECIES

Canine

BREED

Standard Poodle

SEX

Neutered male

AGE

14 years

WEIGHT

45.3 lbs

INTERPRETED BY

Bradley Harris, DVM,
DACVECC, DACVIM
(cardiology)

IMAGING PERFORMED BY

Ginny Dodd

HOSPITAL NAME

Monroe Road AH

REFERRING VET

Dr. Wlday

INVOICE

71942

DATE

2/25/26

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.

Bradley Harris, DVM, DACVECC, DACVIM (cardiology)

info@SonoPath.com