



**PATIENT**

Fallon Greco

**SPECIES**

Canine

**BREED**

Mix

**SEX**

Spayed Female

**AGE**

10 Years

**WEIGHT**

46.6 Pounds

**INTERPRETED BY**

Eric Lindquist, DMV,  
DABVP (CFM), Cert.  
IVUSS

**IMAGING PERFORMED BY**

Kerri Becker

**HOSPITAL NAME**

Chester AH

**REFERRING VET**

Dr. Migliaccio

**INVOICE**

35733

**DATE**

2/6/26

**PRESENTING CLINICAL SIGNS**

Recent FNA thyroid neoplasia Rt side cervical region 3.5 by 2 by 1/2 cm swelling chronic

**ULTRASONOGRAPHIC EXAMINATION OF THE HEART & THYROID**

<b>CANINE CARDIAC PARAMETERS</b>	<b>MR VMAX</b> (m/s)	<b>TR VMAX</b> (m/s)	<b>LA/AO</b> (M-Mode)	<b>LA/AO</b> (Heart Base; Swe)	<b>FS</b> (%)	<b>EF</b> (%)	<b>EPSS</b> (cm)
<b>NORMAL PARAMETER</b>	4.5-5.5	<2.7	1.3	Up to 1.6	28-40	40-100	<0.6
<b>PATIENT</b>	--	2.0	1.2	1.3	27	53	NM
<b>CANINE CARDIAC PARAMETERS</b>	<b>HR</b> (BPM)	<b>AV VMAX</b> (m/s)	<b>PV MAX</b> (m/s)	<b>BODY WEIGHT</b> (lbs)	<b>LAD</b> LA MAX 4 Chamber	<b>LVIDd</b> Avg; 2D and m-mode short axis (cm)	<b>LVIDs</b> Avg; 2D and m-mode short axis (cm)
<b>NORMAL PARAMETER</b>	50-100	0.7-1.7	0.7-1.6				
<b>PATIENT</b>	124	1.20	.80	46.6 lbs	3.8	3.8	--

**Cardiac Presentation**

The echocardiogram in this patient demonstrated normal **left atrial** size based on 3 separate methods of LA evaluation. Mitral insufficiency was noted, centralized. The **left ventricle** presented thicknesses with linear contour and was not dilated nor restricted. The **myocardium** presented normal echogenicity without subjective evidence of significant fibrotic or ischemic disease.

**Contractility** of the ventricular walls was adequate and in normal range for this patient evidenced by the fractional shortening measurement and subjective evaluation of the different regions of the myocardium. The **left ventricular outflow** tract demonstrated normal laminar flow and subjective structural integrity. The **right atrium** and auricle revealed normal size, structure and content. No evidence of masses was noted. Slight **tricuspid** insufficiency was noted. The **right ventricle** was of normal size (1/3 diameter of LV), chordae structure, myocardial echogenicity and thickness.

**Pulmonary outflow** tract assessment revealed normal valve structure, laminar flow, and diameter (approx.1:1 pa/ao ratio). No visible **pericardial** or free pleura fluid was noted. The cranial **mediastinum and pericardial and extra-cardiac regions** were free of masses in the visible window.

**Thyroid**

The **right thyroid region** revealed mixed hypoechoic undifferentiated mass (3.0 cm x 2.4 cm). This is moderately vascular and appears encapsulated, deviating the esophagus. Trachea, salivary glands, and regional tissues were unremarkable. The mass cannot be completely defined as thyroid, however, suspected to be the lobar thyroid. The mass is consistent with carcinoma.



**PATIENT**

Fallon Greco

The **left thyroid region** revealed a normal esophagus, trachea, and salivary glands. The left thyroid lobe was unremarkable, uniform. Normal parathyroid was noted. The largest parathyroid measured 0.27 cm. The left thyroid lobe measured 0.4 cm x 3.0 cm.

**SPECIES**

Canine

**BREED**

Mix

**ULTRASONOGRAPHIC FINDINGS**

- Stage B-1 valvular disease
- Minor tricuspid insufficiency, not clinically significant.
- Undifferentiated mass in right thyroid region
- Left thyroid lobe unremarkable
- Normal right thyroid lobe not evident

**SEX**

Spayed Female

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**AGE**

10 Years

The heart is stable without clinical disease. No overt contraindication for anesthesia of brief to moderate duration. I suggest Torbutrol premed, Propofol induction, Isoflor maintenance or similar protocol if anesthesia is desired. Blood pressure recommended if not already performed and target white coat negative systolic pressure of < 160 mmHg. If higher than this ACE-inhibitor is suggested to reach this level. Recheck echocardiogram is recommended in 6 months, earlier if murmur grade increases or clinical signs initiate.

**WEIGHT**

46.6 Pounds

CT evaluation for surgical planning would be ideal in this patient, or direct surgical exploratory, as the mass does appear encapsulated. Full thyroid profile is warranted to assess for potential functional thyroid carcinoma versus nonfunctional carcinoma. Blood pressure measurements are indicated to assess for systemic hypertension.

**INTERPRETED BY**

Eric Lindquist, DMV,  
DABVP (CFM), Cert.  
IVUSS

**ABOUT SONOPATH CT SERVICES:**

**IMAGING PERFORMED BY**

Kerri Becker

**SonoPath CT Services** are offered at the SonoPath Imaging and Veterinary Education Center, 141 Main St (rt 206), Andover, New Jersey, a 20-minute drive west on route 80/206 North from the route 80/287 interchange/Parsippany, New Jersey. More information can be found at <https://sonopath.com/services/vetimaging/>

**HOSPITAL NAME**

Chester AH

**REFERRING VET**

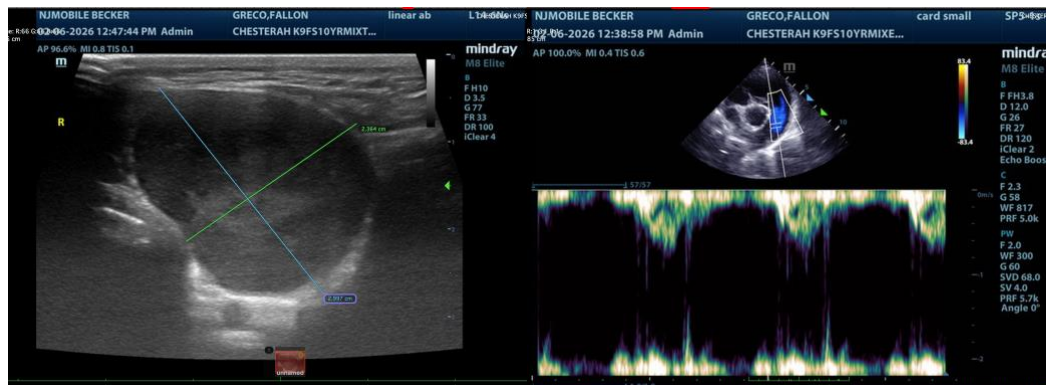
Dr. Migliaccio

**INVOICE**

35733

**DATE**

2/6/26





**PATIENT**

Fallon Greco

**SPECIES**

Canine

**BREED**

Mix

**SEX**

Spayed Female

**AGE**

10 Years

**WEIGHT**

46.6 Pounds

**INTERPRETED BY**

Eric Lindquist, DMV,  
 DABVP (CFM), Cert.  
 IUUSS

**IMAGING PERFORMED BY**

Kerri Becker

**HOSPITAL NAME**

Chester AH

**REFERRING VET**

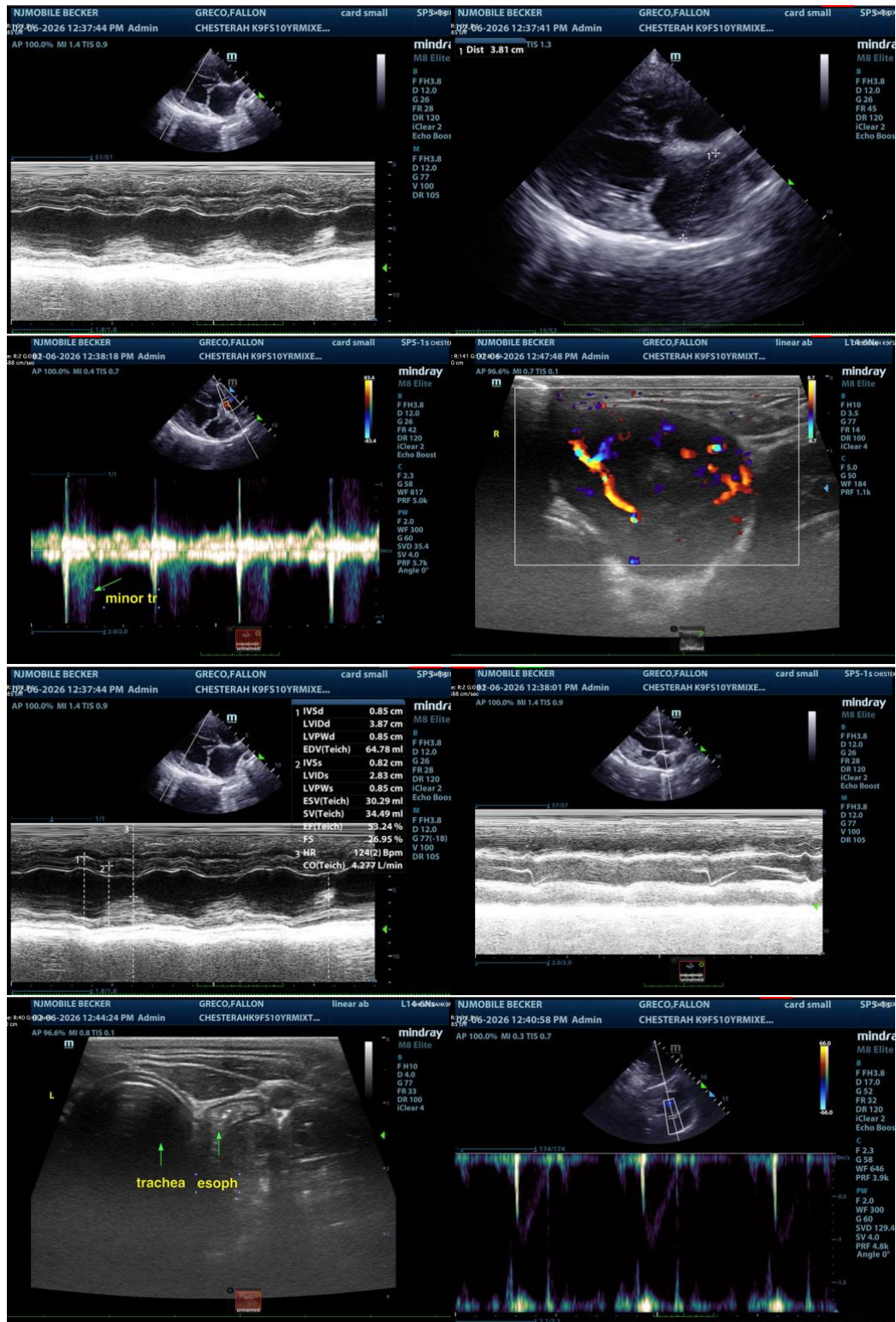
Dr. Migliaccio

**INVOICE**

35733

**DATE**

2/6/26





**PATIENT**

Fallon Greco

**SPECIES**

Canine

**BREED**

Mix

**SEX**

Spayed Female

**AGE**

10 Years

**WEIGHT**

46.6 Pounds

**INTERPRETED BY**

Eric Lindquist, DMV,  
 DABVP (CFM), Cert.  
 IVUSS

**IMAGING PERFORMED BY**

Kerri Becker

**HOSPITAL NAME**

Chester AH

**REFERRING VET**

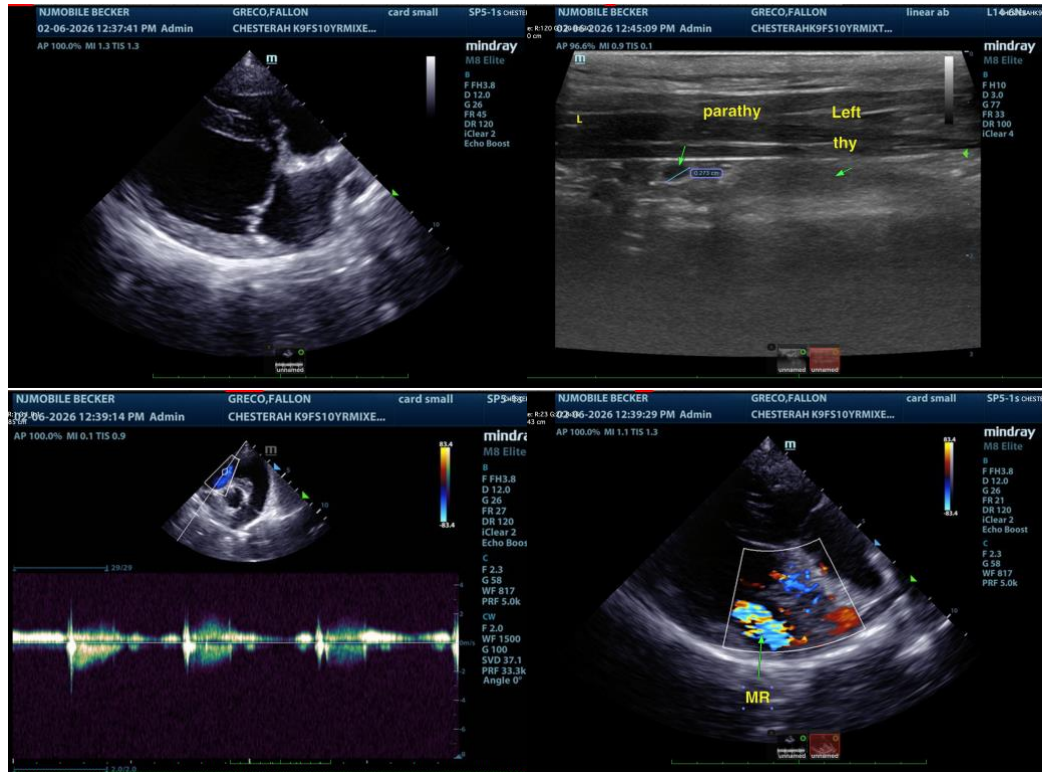
Dr. Migliaccio

**INVOICE**

35733

**DATE**

2/6/26



**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.

**Eric Lindquist**, DMV, DABVP(CFM), Cert. IVUSS,  
 CEO, Owner, Founder -- SonoPath.com  
[info@SonoPath.com](mailto:info@SonoPath.com)