



PATIENT

Chico Young

SPECIES

Canine

BREED

Chihuahua

SEX

Neutered Male

AGE

17 Years 1 Month

WEIGHT

5.05 kg

INTERPRETED BY

Beth Johnson, DVM
DACVIM

IMAGING PERFORMED BY

Dr. Brian Barnes

HOSPITAL NAME

Westview Veterinary
Hospital

REFERRING VET

Dr. Brian Barnes

INVOICE

74456

DATE

4/15/26

PRESENTING CLINICAL SIGNS

Progressive degenerative valve disease with suspected secondary pulmonary hypertension.

- Seizure-like episodes vs. syncope secondary to cardiac disease.

- Significant weight loss/cardiac cachexia. Lost 2 kg body weight

- Suspected ascites (abdominal fluid).

- Cataracts.

Gives Vetmedin 2.5 mg AM and 1.25 mg PM, Furosemide if needed.

Abnormal PE/Chem/CBC/UA Results: Cardiac murmur grade 3-4 and PMI has shifted since last echo from left side to right hemithorax Blood work: CBC: RBC 5.06 (N 5.65-8.87) Hct 35.5 (N 37.3-61.7) HGB 12.5 (N 13.1-20.5) Plt 589 (N 148-484) PCT 0.60 (N 0.14-0.46) Chem: Creat 32 (N 44-159) K 6.2 (N 3.5-5.8) CI 108 (N 109-122) TT4 56 (N 13-51) Xrays 1. Moderate generalized cardiomegaly likely due to valvular degenerative disease. 2. No evidence of cardiogenic pulmonary edema. 3. Mainstem bronchial collapse. 4. Large volume abdominal effusion highly suspected to be secondary to ascites due to right-sided heart failure. Neoplastic effusion or septic peritonitis cannot be ruled out. 5. Disc disease at C6-7.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder is adequately distended with anechoic contents. No masses, inflammatory changes, echogenic sediment or cystoliths are observed. The urinary bladder, trigone and visible pelvic urethra are normal in thickness with a smooth mucosal surface.

Prostate is normal in size, echotexture and echogenicity for a neutered male.

Kidneys are overall normal in size and shape with smooth peripheral margination. A normal 1:3 cortex to medulla ratio is maintained. The medulla and cortices are uniform in texture with some mild increased cortical echogenicity and mild loss of corticomedullary distinction, expected in this age patient. There is no evidence of mineral or infarcts observed. Small cortical cysts are present bilaterally. Trace pyelectasia is present in the left kidney. Left kidney measured 4.47 cm. Right kidney measures 4.48 cm.

Adrenal Glands

The right adrenal gland is normal in size (0.62 cm at cranial pole and 0.67 cm at caudal pole), shape and overall architecture, echogenicity and echotexture. Visible surrounding vasculature appears normal.

The left adrenal gland is normal in size (0.56 cm at cranial pole and 0.67 cm at caudal pole), shape and overall architecture, echogenicity and echotexture. Visible surrounding vasculature appears normal.

Spleen

The spleen is subjectively normal in size with a normal smooth capsular contour. Parenchyma is appropriately finely textured and homogenous with normal echogenicity relative to surrounding tissue (hyperechoic to liver). No focal nodules or masses are observed. Splenic vasculature appears normal.

Liver

Liver is subjectively enlarged with mildly irregular margins. Parenchyma is markedly heterogenous characterized by multiple poorly defined hypoechoic nodules within otherwise hyperechoic liver parenchyma. Visible vasculature and biliary tree appear normal without distension or congestion.



PATIENT

The gallbladder is unable to be well visualized in these images.

Chico Young

Gastrointestinal

SPECIES

The visible stomach wall is normal in thickness and layering. The lumen of the stomach is empty with no evidence of obstruction, foreign material or infiltrative disease. Pyloric outflow tract appears patent.

Canine

BREED

The visible small intestines are normal in wall thickness and layering. Small intestinal motility appears adequate (1-3 contractions per min). The lumen of the small intestine is empty with no evidence of obstruction, foreign material or infiltrative disease.

Chihuahua

SEX

The visible colon is normal in wall thickness (< 0.2 cm) and layering. Contents are consistent with normal formed feces and gas.

Neutered Male

Pancreas

AGE

The pancreas that is observed appears appropriately isoechoic to surrounding omental fat. Visible capsule is smooth and normal in contour. Visible pancreatic parenchyma is homogenous and unremarkable. There is no visible pancreatic duct dilation. There is no evidence of active peripancreatic inflammation.

17 Years 1 Month

WEIGHT

Free Abdomen

5.05 kg

There is a large amount of very echogenic appearing free fluid.

INTERPRETED BY

There is no apparent pathologic lymphadenopathy noted in these images.

Beth Johnson, DVM
DACVIM

PRIMARY FINDINGS

IMAGING PERFORMED BY

Dr. Brian Barnes

- The markedly heterogeneous liver could represent a benign process such as nodular hyperplasia, steroid or vacuolar hepatopathy, extramedullary hematopoiesis, or possibly chronic inflammatory disease. However, infiltrative neoplasia including round cell neoplasia, metastatic neoplasia, other can't be ruled out without tissue sampling.
- The large amount of free fluid is of unknown origin. Differentials (unless already ruled out) could include increased hydrostatic pressure (cardiac disease and/or vascular or lymph blockage), decreased oncotic pressure (low albumin), vasculitis, paraneoplastic fluid, rupture/leakage of/from an organ (GI, GB, UB, other), blood (hemoabdomen), other.

HOSPITAL NAME

Westview Veterinary
Hospital

SECONDARY FINDINGS

REFERRING VET

Dr. Brian Barnes

- Moderate age related kidney changes with trace pyelectasia in the left kidney.

INVOICE

Sampling of the free abdominal fluid for analysis and cytology is recommended. Pending results of that, fine needle aspirates of the liver could be considered, all if patient's coagulation status is appropriate.

74456

DATE

Other than supportive/symptomatic medical management of clinical signs, further treatment recommendations are largely dependent on results of the above.

4/15/26



PATIENT

Chico Young

SPECIES

Canine

BREED

Chihuahua

SEX

Neutered Male

AGE

17 Years 1 Month

WEIGHT

5.05 kg

INTERPRETED BY

Beth Johnson, DVM
DACVIM

IMAGING PERFORMED BY

Dr. Brian Barnes

HOSPITAL NAME

Westview Veterinary
Hospital

REFERRING VET

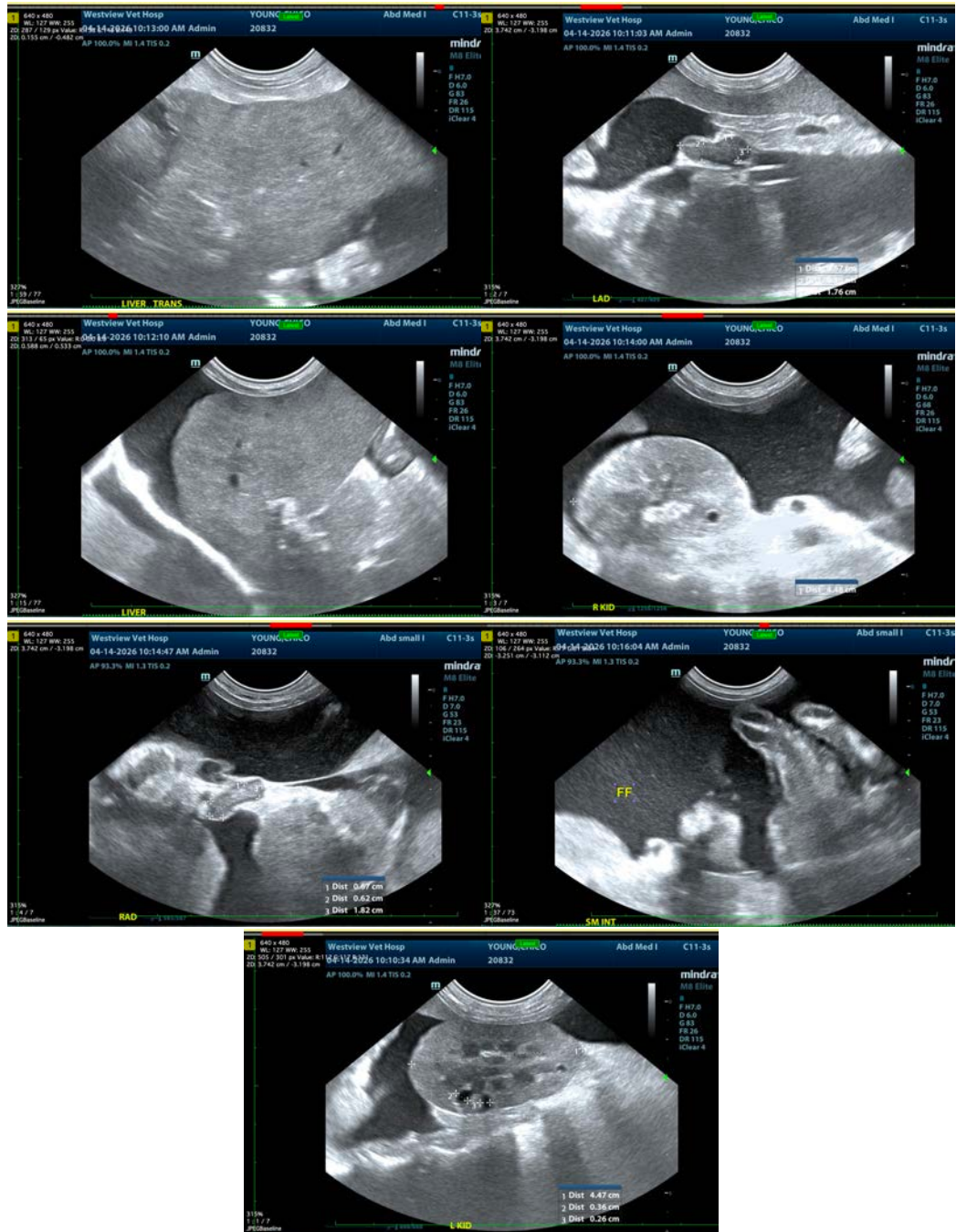
Dr. Brian Barnes

INVOICE

74456

DATE

4/15/26





PATIENT

Chico Young

SPECIES

Canine

BREED

Chihuahua

SEX

Neutered Male

AGE

17 Years 1 Month

WEIGHT

5.05 kg

INTERPRETED BY

Beth Johnson, DVM
DACVIM

IMAGING PERFORMED BY

Dr. Brian Barnes

HOSPITAL NAME

Westview Veterinary
Hospital

REFERRING VET

Dr. Brian Barnes

INVOICE

74456

DATE

4/15/26

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.

Beth Johnson, DVM, DACVIM
info@sonopath.com