



PATIENT

Tulip Phelps

SPECIES

Canine

BREED

English Bulldog

SEX

Spayed Female

AGE

8 Years

WEIGHT

55 lbs

INTERPRETED BY

Beth Johnson, DVM
DACVIM

IMAGING PERFORMED BY

Julia Bakker, DVM

HOSPITAL NAME

Orange Blossom
Veterinary Imaging

REFERRING VET

Dr. Hall

INVOICE

74322

DATE

4/8/26

PRESENTING CLINICAL SIGNS

Persistent azotemia, screening kidneys etc
Abnormal PE/Chem/CBC/UA Results: BUN 79 Creat 2.2 Glob 4.5

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.

The right kidney is normal in size (6.8 cm), irregular and diffusely echogenic with decreased corticomedullary distinction and poor visualization of internal architecture. Trace pyelectasia is present. No mineral is observed.

The left kidney is small (4.85 cm), irregular and diffusely echogenic with decreased corticomedullary distinction and poor visualization of internal architecture. No mineral is observed. Mild pyelectasia is noted.

Adrenal Glands

The right adrenal gland is normal in size (0.67 cm at cranial pole and 0.98 cm at caudal pole), shape and overall architecture, echogenicity and echotexture. Visible surrounding vasculature appears normal.

The left adrenal gland is normal in size (0.49 cm at cranial pole and 0.65 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), except for an approximately 1.5 cm x 1.8 cm mildly heterogeneous, largely hypo- to anechoic non-capsule disrupting nodule near the cranial aspect of the spleen. Splenic vasculature appears normal.

Liver

The liver is subjectively normal in size with normal smooth curvilinear peripheral contour. Parenchyma is appropriately hypoechoic to the spleen in echogenicity and appropriately mildly coarse and homogenous in echotexture. No focal lesions are observed. Visible vasculature and biliary tree appear normal without distension or congestion.

The gallbladder is non-distended in size. The wall is smooth without visible thickening. Luminal contents are primarily anechoic. There is no evidence of cystic or common bile duct dilation.

Gastrointestinal

Fundic mucosal hypertrophy with hyperechoic mucosa and some mucosal remodeling is noted. There is no loss of mural detail. Layering is normal. There is mild luminal fluid accumulation. No evidence of masses/nodules or foreign material present.



PATIENT	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.
Tulip Phelps	
SPECIES	The visible colon is normal in wall thickness (< 0.2 cm) and layering. Contents are consistent with normal formed feces and gas.
Canine	
BREED	<i>Pancreas</i>
English Bulldog	The observed pancreas appears appropriately isoechoic to surrounding omental fat. The capsule is mildly irregular in shape. Parenchyma is mildly heterogenous and coarse. There is no visible pancreatic duct dilation. There is no evidence of active peripancreatic inflammation.
SEX	<i>Free Abdomen</i>
Spayed Femlae	There is no visible free peritoneal effusion noted in these images.
AGE	There is no apparent pathologic lymphadenopathy noted in these images.
8 Years	ULTRASONOGRAPHIC FINDINGS
WEIGHT	<ul style="list-style-type: none"> • Moderate to severe chronic kidney disease changes in the left kidney with much more mild/subtle changes noted in the right. Trace to mild pyelectasia is noted bilaterally. • Gastritis – Consistent with irritation secondary to dietary indiscretion or intolerance, infection (bacterial, viral, other), parasitic or protozoal disease, toxin, other metabolic disease such as pancreatitis, other. Microulceration cannot be ruled out. • Pancreatic age-related remodeling/Chronic pancreatitis – Mild irregularities are consistent with benign age-related change. Low-grade smoldering chronic pancreatitis cannot be ruled out and should be suspected in the face of appropriate clinical signs. • Hypo to anechoic splenic nodule – likely represents a benign lesion such as a cyst, hematoma, nodular hyperplasia, extramedullary hematopoiesis, etc., however while considered less likely, infiltrative neoplasia can mimic benign lesions, and cannot be ruled out.
INTERPRETED BY	<u>INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS</u>
Beth Johnson, DVM DACVIM	If not recently evaluated, a urinalysis and, if indicated based on urinalysis results, urine culture is recommended. If protein is present in an otherwise quiet sediment, protein quantification with a urine protein to creatinine ratio is recommended.
IMAGING PERFORMED BY	A blood pressure is recommended.
Julia Bakker, DVM	
HOSPITAL NAME	INVOICE
Orange Blossom Veterinary Imaging	Infectious disease evaluation including testing for Leptospirosis could be considered.
REFERRING VET	74322 +/- A baseline cortisol is recommended. If baseline cortisol is less than 2, a full ACTH stimulation test is recommended to rule out hypoadrenocorticism.
Dr. Hall	
INVOICE	DATE
74322	4/8/26
DATE	In the meantime, it may be appropriate while urinalysis results are pending to begin medical management for emerging chronic kidney disease, including management of hypertension and/or proteinuria if indicated, electrolyte abnormalities, nausea, dehydration, and potentially if tolerated a transition in diet, in addition to supportive/symptomatic medical management of clinical signs.



PATIENT

Tulip Phelps

SPECIES

Canine

BREED

English Bulldog

SEX

Spayed Female

AGE

8 Years

WEIGHT

55 lbs

INTERPRETED BY

Beth Johnson, DVM
DACVIM

IMAGING PERFORMED BY

Julia Bakker, DVM

HOSPITAL NAME

Orange Blossom
Veterinary Imaging

REFERRING VET

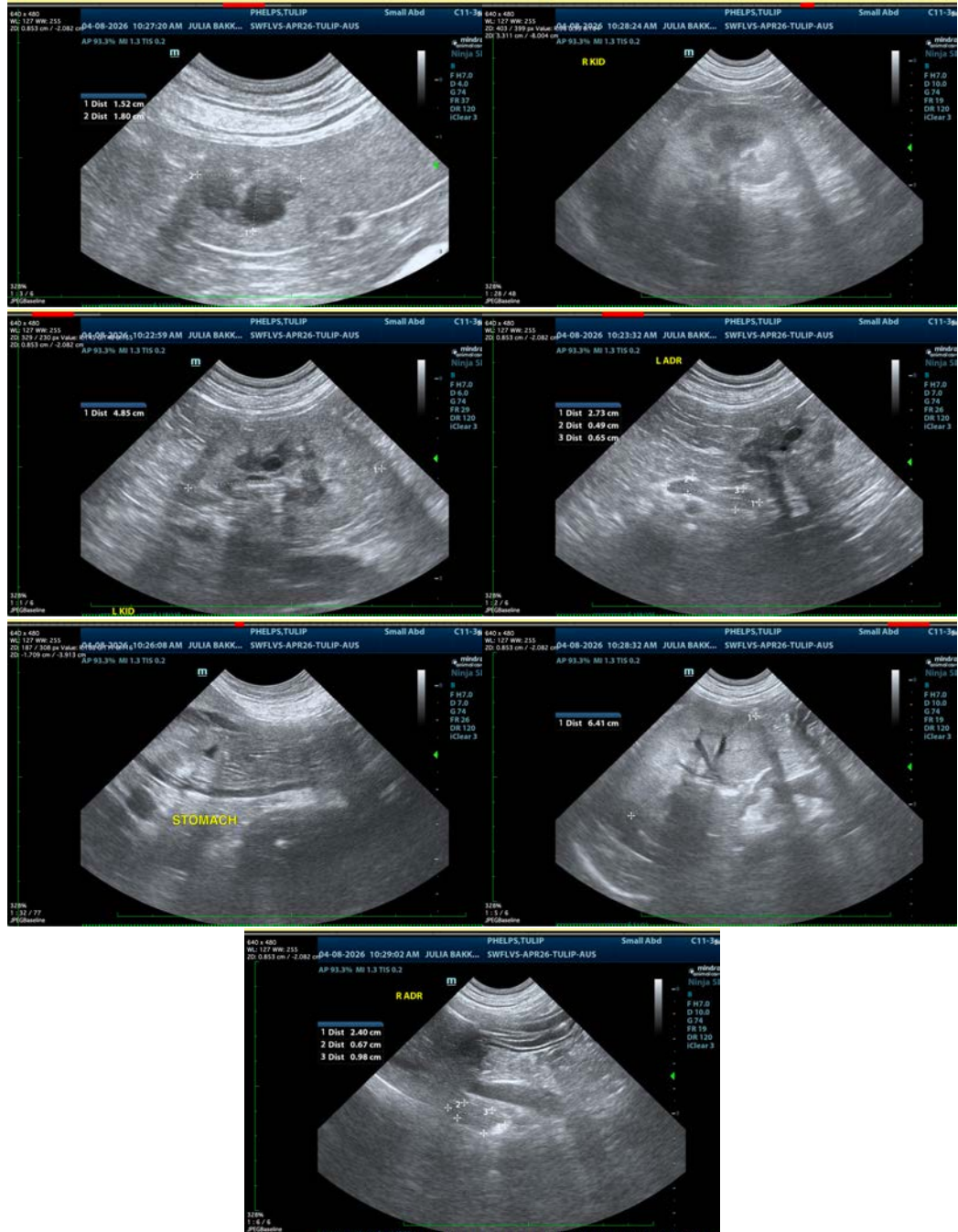
Dr. Hall

INVOICE

74322

DATE

4/8/26





PATIENT

Tulip Phelps

SPECIES

Canine

BREED

English Bulldog

SEX

Spayed Female

AGE

8 Years

WEIGHT

55 lbs

INTERPRETED BY

Beth Johnson, DVM
DACVIM

IMAGING PERFORMED BY

Julia Bakker, DVM

HOSPITAL NAME

Orange Blossom
Veterinary Imaging

REFERRING VET

Dr. Hall

INVOICE

74322

DATE

4/8/26

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