



PATIENT

Stanley Taveras

PRESENTING CLINICAL SIGNS

History: Chronic UTI's Radiographs attached

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The **urinary bladder** revealed a minor amount of sand accumulation that was noted non-obstructive. Minor micropolypoid mucosal changes were noted with remodeling. Submucosa, muscularis, and serosa were all intact.

BREED

French Bulldog

The residual prostate was uniform and measured 0.93 cm. The pre and post prostatic urethra were unremarkable.

SEX

Neutered male

The **kidneys** revealed normal size and structure, corticomedullary definition and ratio for this age. The cortices presented largely uniform texture with normal echogenic relationship to liver and spleen. Medullary structure differed distinctly from the cortex. The capsules were acceptably uniform without significant irregularities. The right kidney measured 4.77 cm. The left kidney measured 5.5 cm with trace pyelectasia.

AGE

2020

Adrenal Glands

WEIGHT

32.1 lbs

Both **adrenal glands** were visualized and recognized as having normal shape, size, position and echogenicity for this breed. The phrenic vasculature, glandular echogenicity and detail were unremarkable. Capsule, cortex, and medullary definition were normal for this age patient. The right adrenal gland measured 2.39 x 0.66 cm at the caudal pole and 0.69 cm at the cranial pole. The left adrenal gland measured 1.86 x 0.57 cm at the caudal pole and 0.5 cm at the cranial pole.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

Spleen

IMAGING PERFORMED BY

Denise Bruno, LVT,
RDMS

The **spleen** presented a smooth homogeneous parenchyma hyperechoic to liver and renal cortical parenchyma. The capsule was smooth without noticeable expansion or deviation from within the spleen or adjacent pathology. The splenic vasculature demonstrated normal volume without signs of congestion or thrombosis. No sonographic evidence of acute or chronic inflammatory, neoplastic, or infarctual changes was noted.

HOSPITAL NAME

Farview AC

Liver

REFERRING VET

Dr. Mosaad

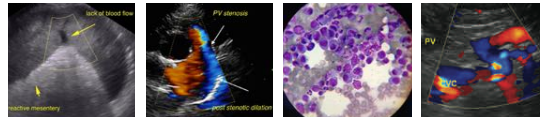
The **liver** images submitted revealed subjectively normal liver size, contour, and structure. Parenchymal echogenicity was naturally coarse and hypoechoic to the spleen. Vascular and biliary tracts were of normal volume with no evidence of congestion. The gallbladder presented acceptably thin walls with primarily anechoic content. The cystic and common bile ducts were normal. No pathological hepatic lymphadenopathy was evident. No overt structural evidence of inflammatory, infiltrative or regenerative pathology was evident.

INVOICE

30427

DATE

5/16/22



PATIENT

Stanley Taveras

SPECIES

Canine

BREED

French Bulldog

SEX

Neutered male

AGE

2020

WEIGHT

32.1 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Denise Bruno, LVT,
RDMS

HOSPITAL NAME

Farview AC

REFERRING VET

Dr. Mosaad

INVOICE

30427

DATE

5/16/22

Gastrointestinal

Examination of the **gastrointestinal tract** revealed a stomach and intestine free of stasis, of normal wall thickness, acceptable curvilinear mural detail, and peristaltic activity. Small and large intestine demonstrated normal luminal chyme and stool consistency respectively. No obstructive or overt infiltrative disease was noted. No associated abnormal lymphatic activity was noted.

Pancreas

The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Pancreatic duct and capsular contour were acceptably normal and parenchyma respected normal curvilinear patterns. No overt evidence of active inflammatory or neoplastic disease was noted.

ULTRASONOGRAPHIC FINDINGS

Chronic cystitis pattern with minor bladder sand, non-obstructive.

Minor pyelectasia of the left kidney.

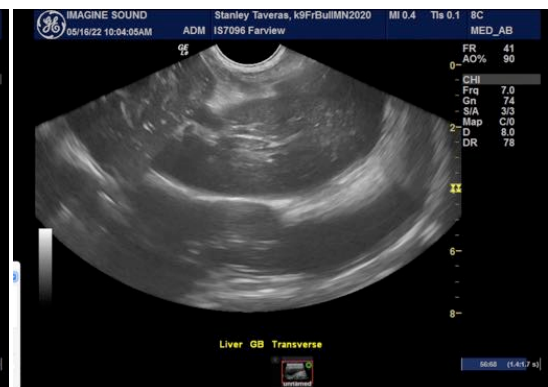
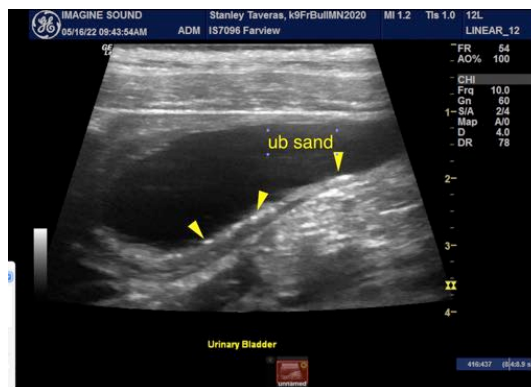
Chronic UTI with incomplete clearing is likely in this patient +/- bacterial resistance.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

4 week antibiotic therapy may prove effective in this patient. Clearing will ideally be based on culture and sensitivity results. Recheck sonogram is recommended after 4 weeks of treatment.

Canine Chronic UTI Protocol

I recommend **Enrofloxacin** (5-10 mg/kg SID PO) (In patients > 1 year of age) in late pm after urination to maximize urinary concentrations overnight. This assumes that culture supports this use. Repeat **culture** at 3-4 weeks and continue treatment at least 7-10 days post negative urinary sediment and negative culture. *Note: Negative culture does not necessarily mean lack of UTI.* Other favorite antibiotics for chronic UTI include third generation Cefa (Ceftiafur or similar s.i.d. injectable) or Clavamox. If suspicion of occult urinary incontinence is present then **phenylpropanolamine (PPA)** (1-2 mg/kg BID) can be employed long term to enhance urethral tone.





PATIENT

Stanley Taveras

SPECIES

Canine

BREED

French Bulldog

SEX

Neutered male

AGE

2020

WEIGHT

32.1 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

**IMAGING
PERFORMED BY**

Denise Bruno, LVT,
RDMS

HOSPITAL NAME

Farview AC

REFERRING VET

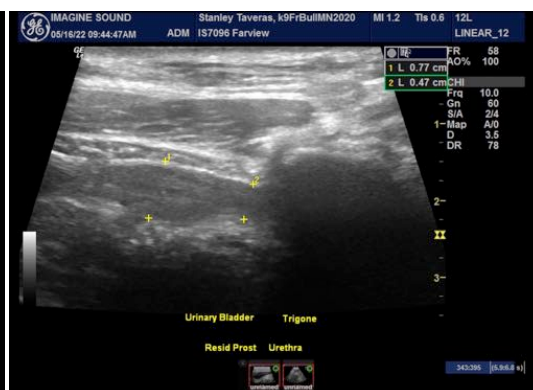
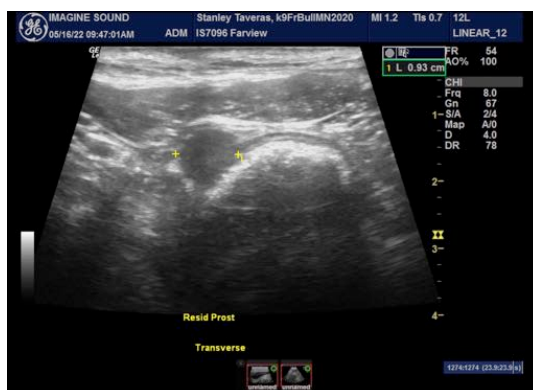
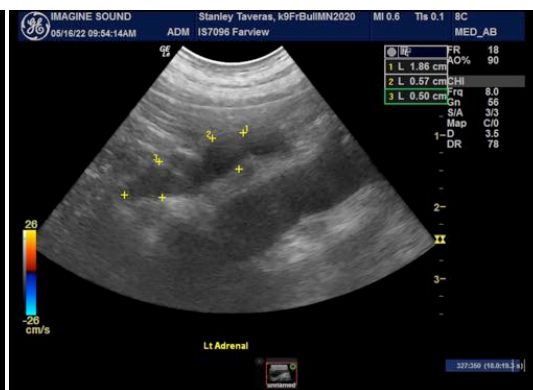
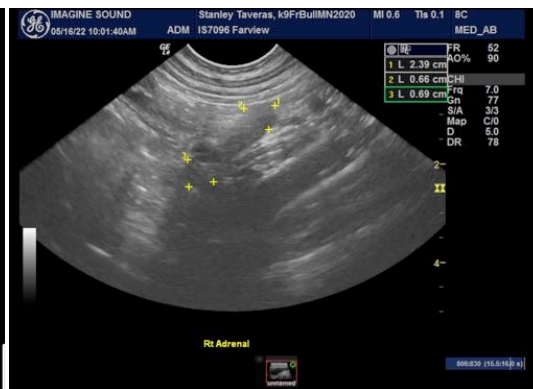
Dr. Mosaad

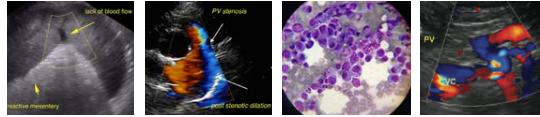
INVOICE

30427

DATE

5/16/22





PATIENT

Stanley Taveras

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.

SPECIES

Canine

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.

BREED

French Bulldog

Eric Lindquist, DMV, DABVP, Cert. IVUSS, CEO of SonoPath.com
Eric.Lindquist@SonoPath.com

SEX

Neutered male

AGE

2020

WEIGHT

32.1 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

**IMAGING
PERFORMED BY**

Denise Bruno, LVT,
RDMS

HOSPITAL NAME

Farview AC

REFERRING VET

Dr. Mosaad

INVOICE

30427

DATE

5/16/22