



## PATIENT PRESENTING CLINICAL SIGNS

Poco Gibson Hx: presented for routine dental. No reports of pu/pd. Overall pet is doing well with mild arthritis. Chronically elevated ALP, rising spec cPL dental dz, gingival mass, OA  
Abnormal PE/Chem/CBC/UA Results: spec cPL=1017, ALP=1770, CA=12.1, CHOL=710 Current Medications rimadyl 18 mg bid

## SPECIES

Canine

## ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

### Urinary System

## BREED

Min Pin

The **urinary bladder**, trigone, and pelvic urethra presented normal thicknesses and normal tone. The ureters were not visible which is normal. No uroliths or sediment were visualized and anechoic urine was present. No evidence of inflammatory or neoplastic changes were noted. Ureteral papillae were normal. The pelvic urethra was imaged 3.0 cm beyond the cystourethral junction. The residual prostate was mildly heterogeneous.

## SEX

Neutered Male

The **kidneys** revealed largely normal size and structure, corticomedullary definition and ratio (cortex 1/3 of medulla) were essentially maintained with some age-related loss of curvilinear patterns regarding the capsule and C/M junction. The cortices presented largely uniform texture with some increased echogenicity expected for his age patient. Medullary structure differed distinctly from that of the cortex. Minor mineralization, non-obstructive at the time of the sonogram. The right kidney measured 4.52 cm. The left kidney measured 4.96 cm with pyelectasia noted and minor echogenic debris measuring 0.7 cm x 0.4 cm.

## AGE

14 Years

## WEIGHT

16.4 Pounds

### Adrenal Glands

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 left adrenal gland measured 1.89 cm x 0.62 cm at the cranial pole and 0.61 cm at the caudal pole. The right adrenal gland measured 1.5 cm x 0.66 cm at the caudal pole and 0.85 cm at the cranial pole.

## INTERPRETED BY

Eric Lindquist, DMV,  
DABVP, Cert. IVUS

### Spleen

## IMAGING PERFORMED BY

Jenna Walsh, CVT

The **spleen** was normal size and relatively normal contour with multifocal hyperechoic areas of mineralization. This is a benign change; however, can be related to Cushing's disease or other endocrinopathies.

## HOSPITAL NAME

Bush AH

### Liver

## REFERRING VET

Dr. Gibson

The **liver** was uniformly swollen with minor, excessive gallbladder debris and over distension with dependent and suspended bile without evidence of overt mucocele formation. However, excessive sludge was present. Mild gallbladder sand noted. The liver presented coarse architecture with mildly increased portal markings and subtle, mixed echogenic changes. This is consistent with vacuolar hepatopathy and some level of remodeling and history of inflammatory component. There was no overt suspicion of neoplasia. Occasional hyperechoic lipogranulomatous type nodule noted in the liver. A cystic hepatic lymph node was noted measuring 1.0 cm, not overtly pathological.

## DATE

1/5/22

### Gastrointestinal

## INVOICE

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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



## PATIENT

Poco Gibson

demonstrated normal luminal chyme and stool consistency respectively. No obstructive or overt infiltrative disease was noted. No associated abnormal lymphatic activity was noted.

## Pancreas

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The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Some parenchymal remodeling, however, with mild deviation from curvilinear normalcy was observed. Pancreatic duct and capsular irregularities were present consistent with age related changes. If pain upon imaging (+ Murphy sign) was present or if the patient is focally painful in subxyphoid palpation then low-grade smoldering chronic pancreatitis should be suspected.

## BREED

Min Pin

## ULTRASONOGRAPHIC FINDINGS

- Benign hepatopathy with mild remodeling
- Renal mineralization and mild to moderate degenerative renal changes

## SEX

Neutered Male

## INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

## AGE

14 Years

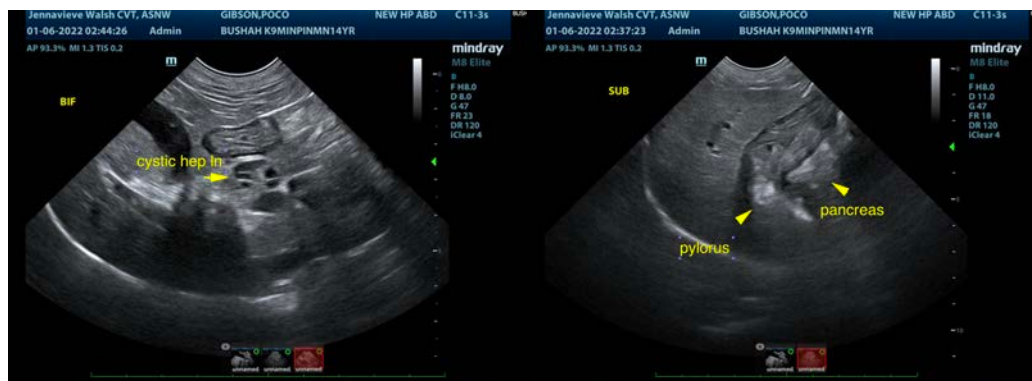
Full urinary workup warranted if not already performed. No overt contraindication to anesthetic procedure. Bile acid profile could be considered for further definition, yet subjectively the abdomen appears geriatric with renal mineralization and minor pyelectasia. The pyelectasia may be owing to pelvic scarring from prior insult due to passage of calculi or possible embedded infection depending upon urinalysis results.

## WEIGHT

16.4 Pounds

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Eric Lindquist, DMV,  
DABVP, Cert. IVUSS



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Bush AH

## REFERRING VET

Dr. Gibson



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**PATIENT**

Poco Gibson

**SPECIES**

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**BREED**

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**SEX**

Neutered Male

**AGE**

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**WEIGHT**

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**REFERRING VET**

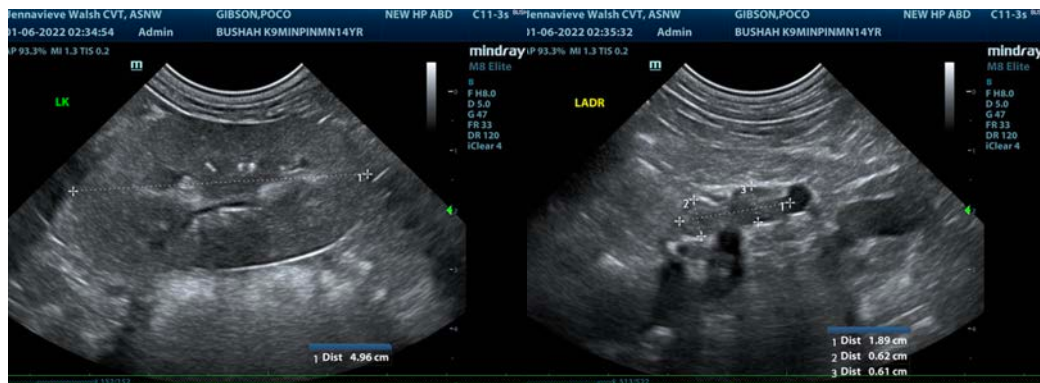
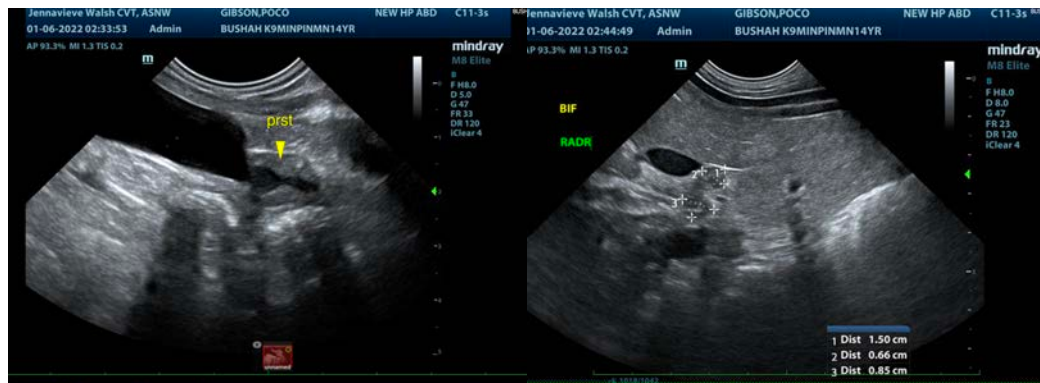
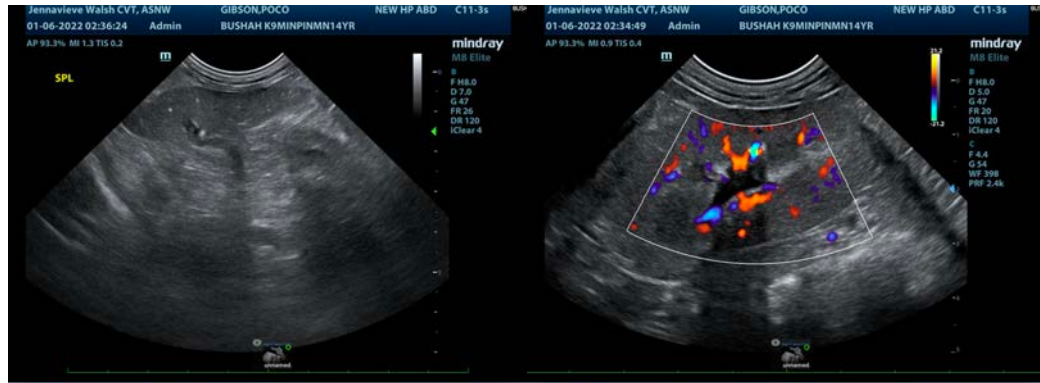
Dr. Gibson

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**PATIENT**

Poco Gibson

**The information and recommendations provided are based on the images presented by the referring veterinarian. 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**

Min Pin

**Eric Lindquist, DMV, DABVP, Cert. IVUSS**

CEO of Sonopath.com

**SEX**

Neutered Male

Eric.Lindquist@SonoPath.com

**AGE**

14 Years

**WEIGHT**

16.4 Pounds

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