



PATIENT PRESENTING CLINICAL SIGNS

- Cherry Zhang
- PUPD for 10 months thinning of hair and skin full body
 - Pica for several months, grass leaves
 - Dental disease

SPECIES

Canine Abnormal PE/Chem/CBC/UA Results: Plt 450 alp 513 cholesterol 400 USG 1.010 The rest wnl including t4

BREED ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Shih Tzu *Urinary System*

The urinary bladder wall is normal in thickness. The mucosal surface is smooth. The bladder is moderately distended. Luminal contents are mostly anechoic. No cystic calculi are observed. The region of the trigone and visible portion of the proximal urethra are normal.

SEX

Female Spayed

The left kidney is normal in size (4.05 cm in length) with a normal shape, architecture and smooth peripheral margins. There is a normal 1:3 cortex to medulla ratio with moderate loss of corticomedullary distinction. Several nonobstructive nephroliths are visualized. There is no evidence of pyelectasia, infarcts or hydroureter. Renal vasculature is normal.

AGE

13

WEIGHT

9.5

The right kidney is normal in size (4.02 cm in length) with a normal shape, architecture and smooth peripheral margins. There is a normal 1:3 cortex to medulla ratio with moderate loss of corticomedullary distinction. Several nonobstructive nephroliths are visualized. There is no evidence of pyelectasia, infarcts or hydroureter. Renal vasculature is normal.

INTERPRETED BY

Andrea Nicastro, DVM,
Diplomate ACVIM
(Small Animal Internal
Medicine)

Adrenal Glands

The left adrenal gland is enlarged (1.58 cm at cranial pole) (0.75 cm at caudal pole) with swollen peripheral contours. A 1.84 x 1.58 cm hyperechoic- to heterogenous nodule is observed at the cranial pole. The parenchyma at the caudal pole is mildly heterogenous, with some loss of glandular echogenicity and detail. The phrenicoabdominal vein and surrounding vasculature are normal.

IMAGING PERFORMED BY

Shen Li

The right adrenal gland is not labeled, and therefore, is not definitively visualized.

Spleen

The spleen is normal in size (0.85 cm in width at the level of the hilus) with a normal capsular contour. There is appropriate echogenicity and echotexture. No focal lesions are observed. Splenic vasculature is normal.

HOSPITAL NAME

Dr. Shen Li Vet Svc

Liver

The liver is subjectively prominent in size with swollen curvilinear peripheral contours. The parenchyma is isoechoic relative to the spleen and exhibits mild heterogeneity. No distinct focal lesions are observed. Hepatic vasculature and biliary tracts are of normal volume with no evidence of congestion.

REFERRING VET

Shen Li

INVOICE

22786

The gallbladder lumen is moderately distended. The wall is thin and smooth. A moderate amount of aggregated, echogenic- to suspended sludge in a partially stellate pattern is observed within the lumen. The cystic and common bile ducts are normal/not seen.

Gastrointestinal

DATE

4-5-26

The gastric lumen is not distended. The gastric wall is normal in thickness with a normal layering pattern. The small intestinal lumen is not dilated. The small intestinal wall is normal in thickness with a normal layering pattern and appropriate mural detail. Discreet masses are not identified. The colonic wall is normal. There is no evidence of an obstructive pattern.



PATIENT

Cherry Zhang

Pancreas

The region of the pancreas is isoechoic relative to surrounding omental fat. No obvious parenchymal abnormalities are observed. There is no evidence of regional inflammation or effusion.

SPECIES

Canine

Lymph Nodes

A 0.87 x 0.76 cm hypoechoic lymph node is observed at the aortic trifurcation. In addition, a 1.05 x 1.01 cm rounded, hypoechoic lymph node is visualized mid-abdomen.

BREED

Shih Tzu

Free Abdomen

There is no obvious evidence of free fluid.

SEX

Female Spayed

ULTRASONOGRAPHIC FINDINGS

Primary Findings

AGE

13

- Left adrenomegaly. The nodule at the cranial pole could be consistent with focal nodular hyperplasia, adenoma, emerging adenocarcinoma, pheochromocytoma, other. The right adrenal gland is not definitively visualized.

WEIGHT

9.5

- The prominent abdominal lymph nodes could be consistent with lymphoid hyperplasia, lymphadenitis, or emerging neoplasia.
- The gallbladder changes are suggestive of an emerging mucocele.

INTERPRETED BY

Andrea Nicastro, DVM,
Diplomate ACVIM
(Small Animal Internal
Medicine)

Secondary Findings

- Bilateral nonspecific age-related renal changes with nonobstructive nephrolithiasis
- The diffuse hepatic changes are non-specific and could be consistent with vacuolar hepatopathy, regenerative nodular hyperplasia, and/or age-related remodeling. Inflammatory disease, infiltrative neoplasia and other hepatopathies are considered less likely.

IMAGING PERFORMED BY

Shen Li

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

- Additional sonographic images of the right adrenal gland are recommended.
- Consider further testing for Cushing's disease (i.e., low-dose dexamethasone suppression test).
- Given the gall bladder changes, Ursodeoxycholic acid (Ursodiol) is recommended. Serial sonographic monitoring (e.g., every 4-6 weeks) of the gall bladder is recommended to assess for progression to a fully formed mucocele. If progression occurs, a cholecystectomy may be warranted.
- Regarding the prominent abdominal lymph nodes consider fine-needle aspiration (if accessible and if clotting status is appropriate). Twenty-five gauge-needles should be used.

HOSPITAL NAME

Dr. Shen Li Vet Svc

REFERRING VET

Shen Li

INVOICE

22786

DATE

4-5-26



PATIENT

Cherry Zhang

SPECIES

Canine

BREED

Shih Tzu

SEX

Female Spayed

AGE

13

WEIGHT

9.5

INTERPRETED BY

Andrea Nicastro, DVM,
Diplomate ACVIM
(Small Animal Internal
Medicine)

IMAGING PERFORMED BY

Shen Li

HOSPITAL NAME

Dr. Shen Li Vet Svc

REFERRING VET

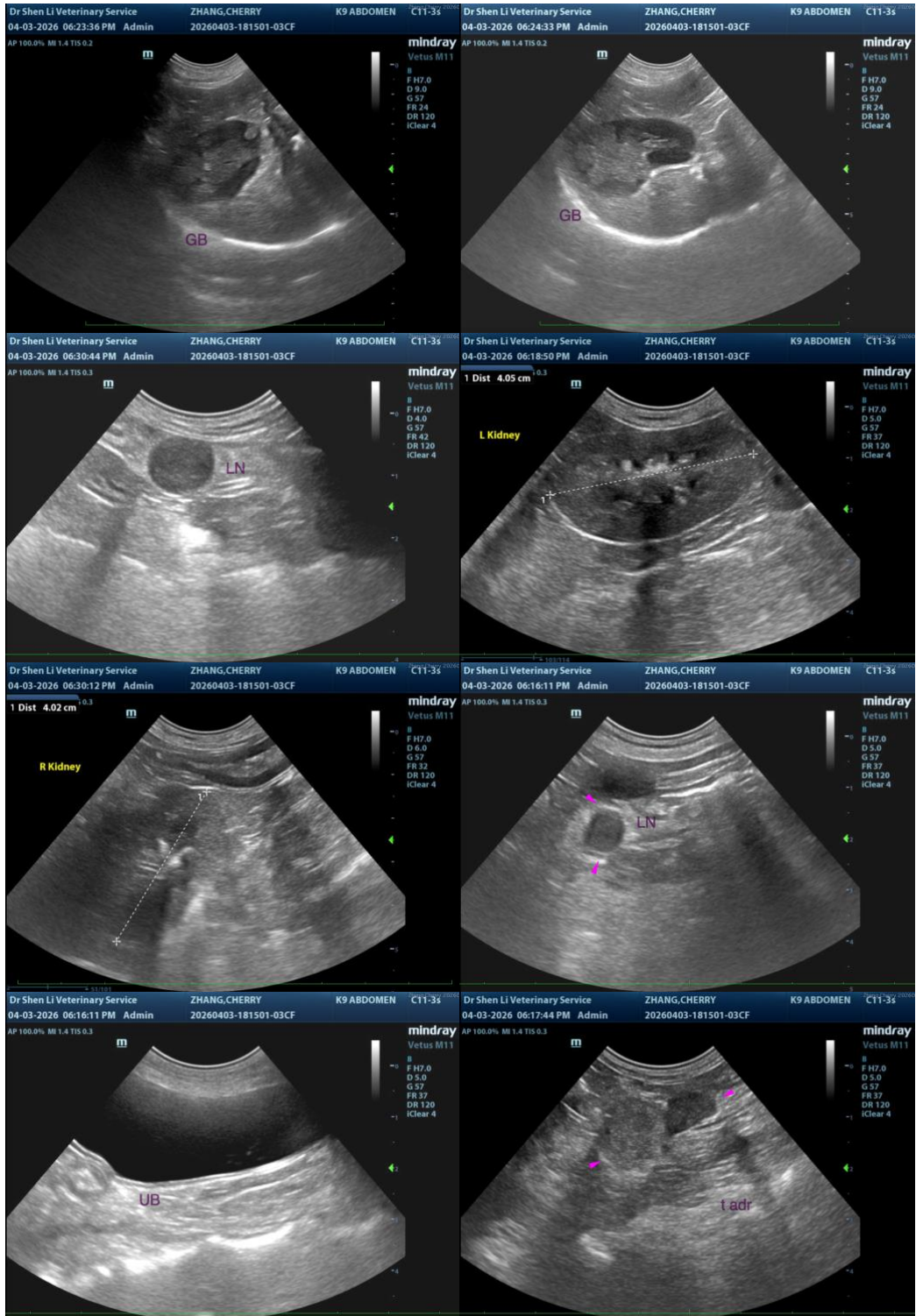
Shen Li

INVOICE

22786

DATE

4-5-26





PATIENT

Cherry Zhang

SPECIES

Canine

BREED

Shih Tzu

SEX

Female Spayed

AGE

13

WEIGHT

9.5

INTERPRETED BY

Andrea Nicastro, DVM,
Diplomate ACVIM
(Small Animal Internal
Medicine)

**IMAGING
PERFORMED BY**

Shen Li

HOSPITAL NAME

Dr. Shen Li Vet Svc

REFERRING VET

Shen Li

INVOICE

22786

DATE

4-5-26



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.

Andrea Nicastro, MPH, DVM, Diplomate DACVIM (Small Animal Internal Medicine)
info@SonoPath.com