



PATIENT PRESENTING CLINICAL SIGNS

Puff Kittner History: Vomiting past 2-3 days becoming more persistent. No change in appetite. Diagnosed with end stage kidney failure.

SPECIES Physical Examination: N/A.

Feline Urinalysis: N/A.

BREED CBC: N/A.

Maine Coon Serum Biochemistry: N/A.

Radiographic Findings: N/A.

SEX

FS

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

AGE *Urinary System*

18 years Full urinary bladder with a normal thickness and appearance of the wall. Normal anechoic urine with no sediment or uroliths evident.

WEIGHT Normal trigone area, proximal urethra, and iliac blood vessels.

8.9 # Normal iliac lymph nodes. Ureters not visualized.

INTERPRETED BY Small kidneys (left 2.7 cm) with increased echogenic appearance, loss of cortico-medullary differentiation, irregular capsule, and normal pelvis.

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ECVIM

Reproductive System

N/A.

IMAGING PERFORMED BY *Adrenal Glands*

Dr Paul Kim Normal shape, echogenic appearance, position, and size. Left 1.35 cm.

HOSPITAL NAME *Spleen*

Ridgefield Park Animal Hospital Normal size and echogenic appearance. Smooth homogenous parenchyma, regular curvilinear capsule, and normal vasculature. No evidence of inflammatory, neoplastic, infarction, or infiltrative changes noted.

REFERRING VET *Liver*

Dr Paul Kim Normal size with a coarse mottled echogenic appearance, loss of portal markings, and regular curvilinear capsule. Small hypoechoic parenchymal nodule (0.7 cm). No nodules or masses evident. Full gall bladder containing normal anechoic bile. Normal thickness and appearance of the gall bladder wall. Normal bile duct.

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PATIENT *Gastrointestinal*

Puff Kittner Normal appearance of the duodenum, small intestine, ileo-cecal junction, and colon with no loss of layering, normal wall thickness and peristaltic activity, and no distension of the lumen.
SPECIES Thickened (1.1 cm) and mottled echogenic appearance of the stomach wall with some loss of layering.

Feline

Pancreas

BREED

Maine Coon

Normal size (left 0.7 cm) with a diffuse hyperechogenic appearance and an irregular capsule. Hyperechogenic appearance of the mesentery and fat surrounding the pancreas.

Free Abdomen

SEX

No mesenteric lymphadenomegaly.
No ascites.

FS

AGE

18 years

ULTRASONOGRAPHIC FINDINGS

Primary Findings:

WEIGHT

8.9 #

- Gastric thickening.
- Pancreatitis.
- Hepatopathy.
- Renal disease.

INTERPRETED BY

Secondary Findings:

- None.

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IMAGING PERFORMED BY

Dr Paul Kim

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Etiologies for the stomach would be chronic gastritis, *Helicobacter* gastritis, ulcerative disease, granulomatous disease, and neoplasia.

HOSPITAL NAME

Etiologies for the pancreas would be age-related fibrosis and chronic pancreatitis.

Ridgefield Park Animal
Hospital

Etiologies for the hepatopathy would be age-related, cholangio-hepatitis complex, lipidosis, granulomatous disease, and infiltrative neoplasia. The nodule is most likely an incidental finding.

REFERRING VET

The appearance of the kidneys is typical for chronic kidney disease.

Dr Paul Kim

Further assessment would be urinalysis, serum biochemistry, fPL/PSL assay, and possibly FNA cytology of the liver ne stomach wall and gastroscopy with biopsies.

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Specific therapy of the would be dependent on an etiological diagnosis. Symptomatic management would be gastric protectants (omeprazole, sucralfate) and anti-emetics.

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PATIENT IMAGES

Puff Kittner **Stomach**

SPECIES

Feline

BREED

Maine Coon

SEX

FS

AGE

18 years

WEIGHT

8.9 #

INTERPRETED BY

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Pancreas

IMAGING PERFORMED BY

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HOSPITAL NAME

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Hospital

REFERRING VET

Dr Paul Kim

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PATIENT Liver

Puff Kittner

SPECIES

Feline

BREED

Maine Coon

SEX

FS

AGE

18 years

WEIGHT

8.9 #



Left kidney

INTERPRETED BY

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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.

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.

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