



PATIENT	PRESENTING CLINICAL SIGNS
Otto Konigsmark	proteinuria, elevated TGs and cholesterol. PE has been wnl
SPECIES	Current Medications Gemfibrozil
Canine	Abnormal PE/Chem/CBC/UA Results: proteinuria - UPC 2.5 TG 1490 Chol 373 T4 is wnl (1.2)
BREED	ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN
Mini Schnauzer	Urinary System
SEX	The urinary bladder was normal in size and tone with normal urinary bladder walls without evidence of inflammatory criteria. No urinary bladder tumors were noted. Anechoic urine was present with mild dependent luminal mineral to accumulated small calculi. The urethra exhibited normal structure and tone to a depth of 3.0 cm.
MN	
AGE	The residual prostate was symmetrically normal in size with uniform parenchyma and slight coarse echotexture.
9 y	The area of the aortic trifurcation was free of pathology.
WEIGHT	Normal size and margination were present in the kidneys. A normal 1:3 cortex / medulla ratio and normal corticomedullary definition were maintained. The echogenicity of the cortex was similar to or slightly less than normal liver parenchyma while the medulla echogenicity was hypoechoic to the cortex with no evidence of pelvic dilation or pyelectasia. Mild mineralization primarily in the area of the lateral diverticuli was present in both kidneys. The left kidney measured 4.8 cm in length. The right kidney measured 4.3 cm in length.
19.2 lbs.	
INTERPRETED BY	Adrenal Glands
R. McKenzie Daniel, DVM, DABVP (Canine and Feline)	The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 2.2 cm length x 0.51 cm width at the caudal pole. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 2.6 cm length x 0.52 cm width at the caudal pole.
IMAGING PERFORMED BY	Spleen
Jenna Walsh, CVT	The spleen exhibited a finely textured and homogenous parenchyma which was hyperechoic to the liver and renal cortical parenchyma. The capsule was smooth and regular without apparent expansion. The splenic vasculature at the hilus was normal in volume with no evidence of congestion or thrombosis. Acute to chronic inflammatory, neoplastic, or benign parenchyma changes were not noted.
HOSPITAL NAME	Liver/ Gallbladder
VCA Vitality AH	The liver was subjectively normal in size, structure, and contour. The liver parenchyma was uniform and hypoechoic to the spleen with a mild coarse echotexture. The hepatic and portal vasculature were
REFERRING VET	
Dr. Vande Burgt	
INVOICE	
16747	
DATE	
5/3/23	



PATIENT

Otto Konigsmark

SPECIES

Canine

BREED

Mini Schnauzer

SEX

MN

AGE

9 y

WEIGHT

19.2 lbs.

INTERPRETED BY

R. McKenzie Daniel,
DVM, DABVP
(Canine and Feline)

IMAGING PERFORMED BY

Jenna Walsh, CVT

HOSPITAL NAME

VCA Vitality AH

REFERRING VET

Dr. Vande Burgt

INVOICE

16747

DATE

5/3/23

normal in appearance without signs of congestion. The gallbladder was non-distended in size containing primarily anechoic content with moderate, mildly congealed yet nonorganized gallbladder debris without evidence of gallbladder inflammatory criteria. The cystic and common bile ducts were normal.

Gastrointestinal

The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach contained mild echogenic, non-shadowing ingesta sonographically consistent with food without signs of obstruction or foreign material.

The small intestine presented intact wall layering with 1:3 muscularis/mucosa ratio. The lumen of the small intestine was empty with no signs of ileus, obstruction, or foreign material.

Normal visible colon wall layers were present with apparent formed feces in lumen.

Pancreas

The parenchyma of the left limb, body, and right limb of the pancreas presented isoechoic to the adjacent omental fat. A normal curvilinear capsule contour of the pancreas was present. The visible pancreatic duct was normal. No signs of active inflammation or neoplastic disease were evident.

Free Abdomen

No overt lymphadenopathy or peritoneal effusion was present.

ULTRASONOGRAPHIC FINDINGS

Primary Findings

- Mild dependent urinary bladder luminal mineral / accumulated small calculi
- Nonspecific mild chronic renal changes with non-obstructive medullary mineral
- Sonographically normal bilateral adrenals
- Normal pancreas
- Moderate gallbladder debris - not consistent with mucocele criteria

Secondary Findings

- Gastric ingesta - sonographically consistent with food

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Urine C/S on a sterile urine sample is recommended. No overt suspicion for primary adrenal disease, given the normal adrenal presentation and lack of reported clinical signs i.e., PU/PD, polyphagia, etc. This patient may be passing small amounts of mineral from the kidneys into the urinary bladder.



PATIENT

ACE inhibitor medication, as well as a restrictive protein, reduced fat urinary diet, if available, may be beneficial if persistent proteinuria and elevated UPC level.

Otto Konigsmark

SPECIES

Canine

BREED

Mini Schnauzer

SEX

MN

AGE

9 y

WEIGHT

19.2 lbs.

INTERPRETED BY

R. McKenzie Daniel,
DVM, DABVP
(Canine and Feline)

IMAGING PERFORMED BY

Jenna Walsh, CVT

HOSPITAL NAME

VCA Vitality AH

REFERRING VET

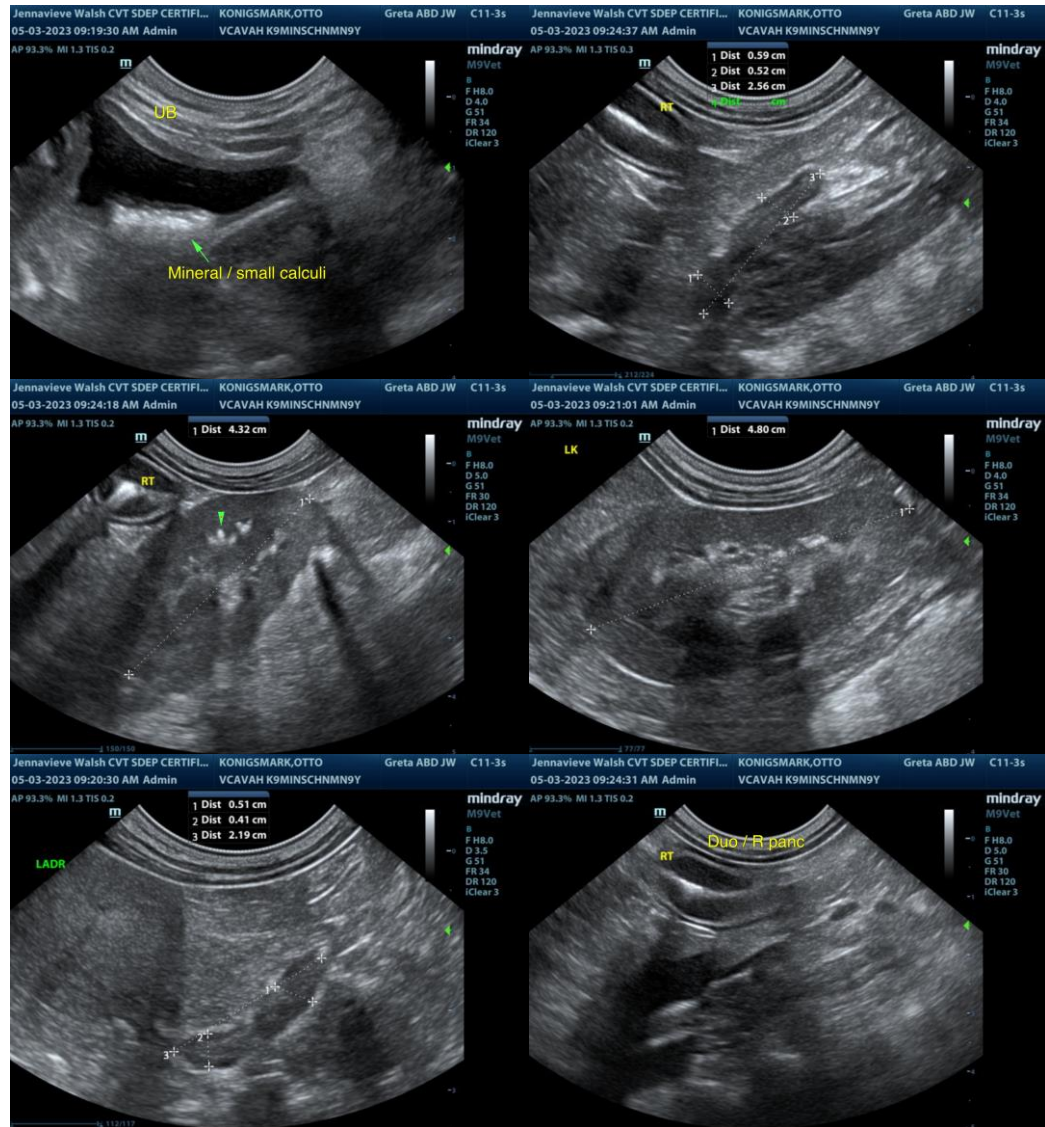
Dr. Vande Burgt

INVOICE

16747

DATE

5/3/23





PATIENT

Otto Konigsmark

SPECIES

Canine

BREED

Mini Schnauzer

SEX

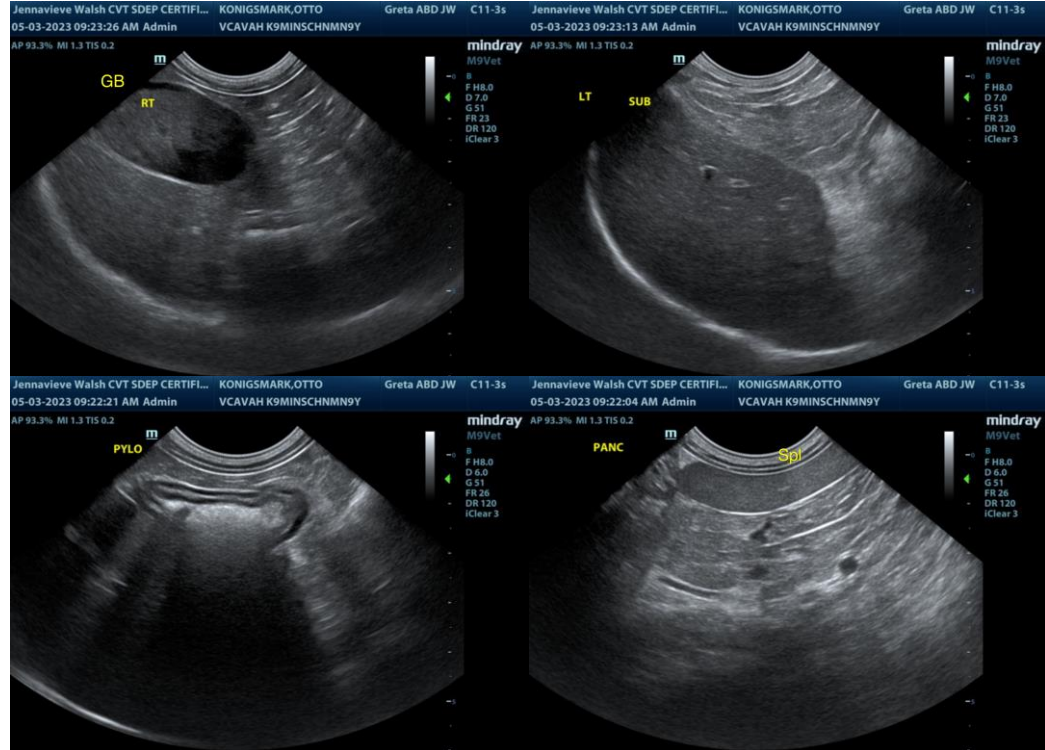
MN

AGE

9 y

WEIGHT

19.2 lbs.



INTERPRETED BY

R. McKenzie Daniel,
DVM, DABVP
(Canine and Feline)

IMAGING PERFORMED BY

Jenna Walsh, CVT

HOSPITAL NAME

VCA Vitality AH

REFERRING VET

Dr. Vande Burgt

INVOICE

16747

DATE

5/3/23

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.

R. McKenzie Daniel, DVM, DABVP (Canine / Feline Practice)
info@SonoPath.com