



PATIENT PRESENTING CLINICAL SIGNS

Linus Lin Repeat xrays showed multiple FB in colon w/small FB left in pylorus. No v/d.
Abnormal PE/Chem/CBC/UA Results: nsf

SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Canine

Urinary System

BREED

The urinary bladder is well distended. The wall is smooth and regular. No abnormalities are present with the trigone or proximal urethra. A very small amount of free floating sediment is present, however, there is no evidence of cystoliths, polyps or a mass.

Cavalier King Charles
Spaniel

Prostate

SEX

The prostate is homogenous and measures 0.93 cm, which is within normal limits for a neutered male.

Neutered Male

Kidneys

AGE

The **left** kidney measures 4.02 cm. The capsule is smooth and its overall architecture, including the definition of the cortico-medullary junction, are preserved. There are no signs of nephroliths or pyelectasia, however, very small pinpoint mineralizations of the diverticulae and pelvis are noted. Blood flow is excellent. The surrounding mesentery is not hyperechoic.

2 Years

WEIGHT

The **right** kidney measures at least 3.88 cm. The capsule is smooth and its overall architecture, including the definition of the cortico-medullary junction, are preserved. There are no signs of nephroliths or pyelectasia, however, very small pinpoint mineralizations of the diverticulae and pelvis are noted. Blood flow is excellent. The surrounding mesentery is not hyperechoic.

17 Pounds

INTERPRETED BY Aortic bifurcation/trifurcation

Lisa Carioto, DVM,
DVSc, Diplomate
ACVIM No abnormalities observed.

Adrenal Glands

IMAGING PERFORMED BY

The **left** adrenal gland measures 0.42 cm at the cranial pole, 0.43 cm at the caudal pole and 1.44 cm in length. No abnormalities are noted with the gland's overall architecture, echogenicity or echotexture. The phrenico-abdominal vein and surrounding vasculature and mesentery are unremarkable.

Shari Reffi, CVT

HOSPITAL NAME

The **right** adrenal gland measures 0.41 cm at the cranial pole, 0.41 cm at the caudal pole and 1.68 cm in length. No abnormalities are noted with the gland's overall architecture, echogenicity or echotexture. The phrenico-abdominal vein and surrounding vasculature and mesentery are unremarkable.

Rockaway AH

Spleen

REFERRING VET

Dr. Maniar The spleen is within normal limits in size, architecture, echotexture, and echogenicity. The capsule is smooth. No abnormalities are observed with its vasculature, i.e. congestion and thrombi are not identified.

INVOICE

Liver

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There are no obvious signs of hepatomegaly and its borders are smooth and sharp. The liver's echotexture is homogeneous and it is within normal limits in echogenicity. No abnormalities are observed with the hepatic vessels visualized.

DATE

5/13/22



PATIENT

Linus Lin

The gallbladder wall is within normal limits in thickness and echogenicity. There is no evidence of echogenic material within the GB or edema surrounding it. The portions of the cystic and/or common bile ducts observed are not dilated or tortuous, i.e. there are no signs of an obstruction.

SPECIES

Canine

Gastrointestinal

A large amount of gas is present within the lumen of the stomach. The gastric wall is within normal limits in thickness and the wall layers are well defined. A foreign body is suspected in the stomach based on an echogenic object, measuring approximately 6 mm, and the abnormal shadowing it creates. The foreign body measures approximately 2.3 cm in the longitudinal view. No obvious abnormalities are observed with its peristalsis.

BREED

Cavalier King Charles
Spaniel

The small intestinal wall thickness, including the duodenum, is within normal limits and the definition of the wall layers is preserved. Abnormally dilated loops of bowel are not observed.

SEX

Neutered Male

Ingesta and a large amount of gas are present in the transverse colon.

AGE

2 Years

The colonic wall is not thickened and mural detail is considered normal. However, one segment of descending colon shows granular material and a small amount of fluid, while another segment further distally shows mild plication, suggestive of a foreign body. Formed stools are present in the very distal portion of the colon evaluated.

Pancreas

WEIGHT

17 Pounds

No overt abnormalities are observed with the echogenicity or echotexture of the either limb. The mesentery surrounding the pancreas is not hyperechoic.

Other

INTERPRETED BY

Lisa Carioto, DVM,
DVSc, Diplomate
ACVIM

Lymph nodes

Two lymph nodes in the cranial right abdomen are within normal limits, but slightly "plump" and rounder than usual, which is suggestive of reactive hyperplasia.

Abdominal effusion is not visualized.

IMAGING PERFORMED BY

Shari Reffi, CVT

Heart

A brief video clip of the heart was submitted. Pericardial and pleural effusion are not identified. There is no evidence of a mass in the cardiac chambers evaluated, and no obvious abnormalities are noted with contractility (measurements not performed).

HOSPITAL NAME

Rockaway AH

ULTRASONOGRAPHIC FINDINGS

REFERRING VET

Dr. Maniar

- A foreign body is suspected in the stomach, however, it is not causing an obstruction.
- A foreign body is not visualized in the descending colon, however, with plication is observed, which is suggestive of a foreign body.
- Emerging reactive hyperplasia of two lymph nodes suspected in the right cranial abdomen.
- Mild mineralization of both kidneys. Evaluation of Linus' diet is suggested as he is quite young to show such changes.

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PATIENT

Linus Lin

SPECIES

Canine

BREED

Cavalier King Charles Spaniel

SEX

Neutered Male

AGE

2 Years

WEIGHT

17 Pounds

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IMAGING PERFORMED BY

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HOSPITAL NAME

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REFERRING VET

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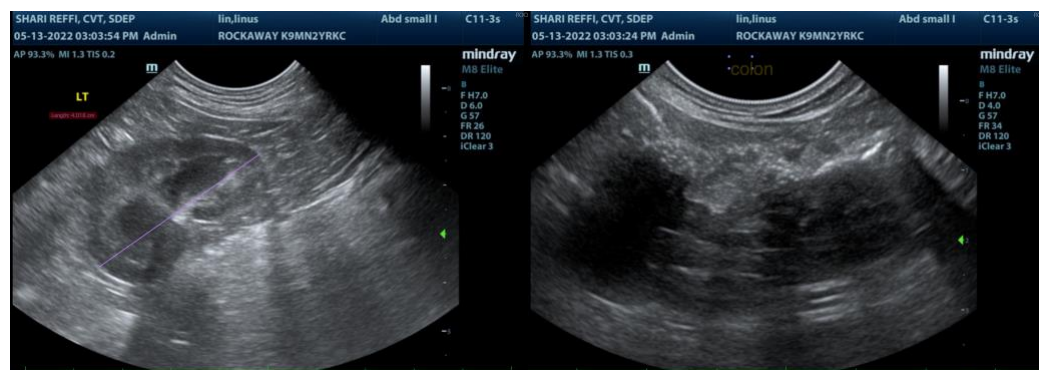
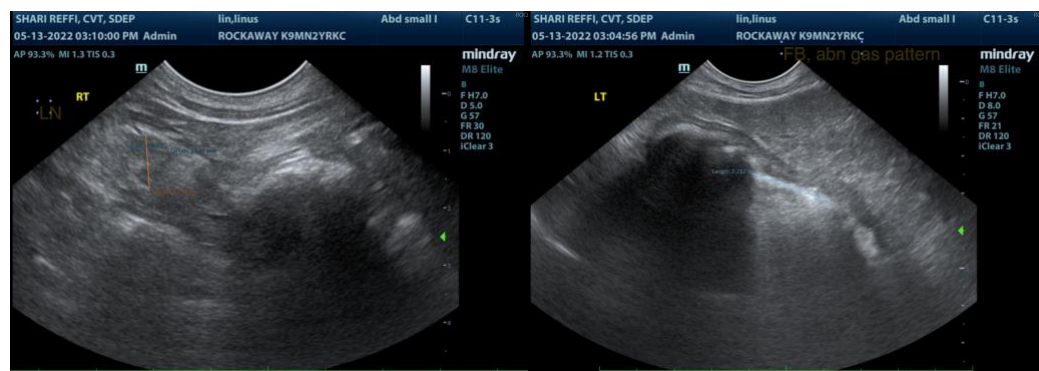
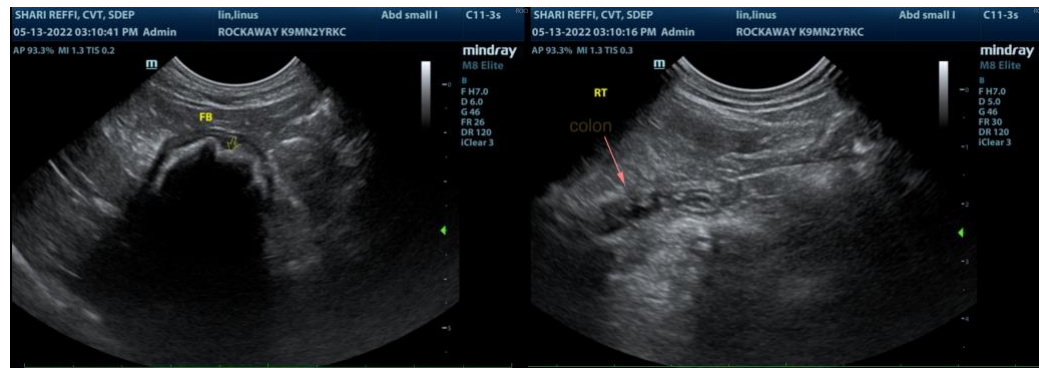
INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Evaluation of Linus' diet is suggested, to determine if high in calcium, i.e., possible cause of pinpoint renal mineralizations, but also to determine if he suffers from pica due to underlying inflammatory bowel disease or food intolerance.

Depending on when the foreign body was ingested, one could treat "medically", for example, "Vaseline" sandwiches to help bind the foreign body and help it pass.

However, if very chronic, endoscopy and colonoscopy may be warranted.

Another option is to re-ultrasound in 1-2 weeks or perform baseline radiographs and repeat to ensure material is moving through GI tract.





PATIENT

Linus Lin

SPECIES

Canine

BREED

Cavalier King Charles
Spaniel

SEX

Neutered Male

AGE

2 Years

WEIGHT

17 Pounds

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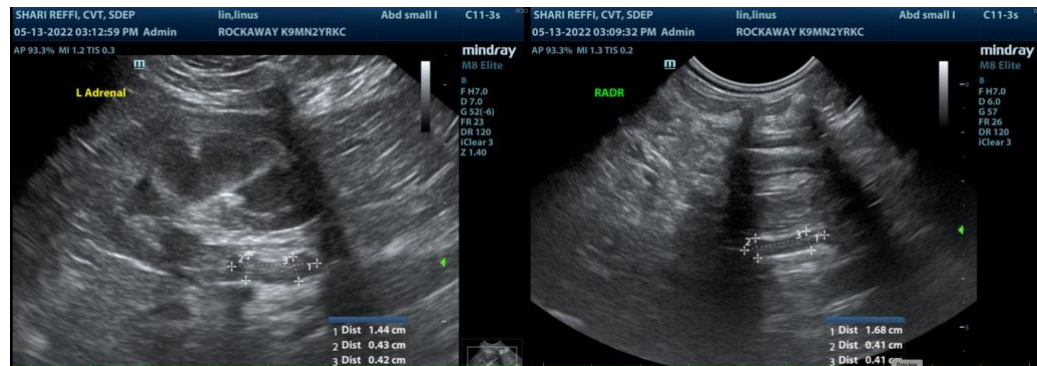
Dr. Maniar

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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.

Lisa Carioto, DVM, DVSc, Diplomate ACVIM

Lisa.Carioto@sonopath.com