



PATIENT

Nugget Smith

SPECIES

Canine

BREED

Cavalier King Charles
Spaniel

SEX

Neutered male

AGE

1 ½ years

WEIGHT

7 kg

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

**IMAGING
PERFORMED BY**

Alejandro Vargas
Lumbreras

HOSPITAL NAME

Central Island
Veterinary Emergency
Hospital

REFERRING VET

Dr. Guenther

INVOICE

99366

DATE

4/19/22

PRESENTING CLINICAL SIGNS

History: Saturday was just going outside to sit and wouldn't go back inside. Sunday not moving at all and not eating or drinking. O took to rDVM and BW showed leukocytosis, monocytosis and neutrophilia. O hasn't seen any V/D. Is with O constantly and not seen getting into anything. Has had a couple episodes of just staring off and seeming 'out of it' but last time this happened was in December. Abnormal PE/Chem/CBC/UA Results: SDMA 19 ug/dL (0-14) WBC 25.95x10⁹/L (5.05-16.76) Monocytes 2.52x10⁹/L (0.16-1.12) Neuts 19.06x10⁹/L (2.95-11.64) MPV 16.8fL (8.7-13.2) Baseline cortisol - 134 - r/o Addison's. Thoracic Rads - mild bronchial pattern otherwise nsf. Abd Rads - some gas in SI but no obstructive pattern seen. Liver, splenic and kidney shadows appear normal.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

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 was noted. Ureteral papillae were normal.

The **kidneys** revealed increased cortical echogenicity. The left kidney measured 3.0 cm in length and was subnormal in size. Blood flow appeared to be adequate on color flow assessment. The right measured 3.5 cm.

Adrenal Glands

The **adrenal glands** were not visualized.

Spleen

The **spleen** presented a smooth homogeneous parenchyma hyperechoic to liver and renal cortical parenchyma. The capsule was smooth without noticeable expansion or deviation from within the spleen or adjacent pathology. The splenic vasculature demonstrated normal volume without signs of congestion or thrombosis. No sonographic evidence of acute or chronic inflammatory, neoplastic, or infarctual changes was noted.

Liver

The **liver** images submitted revealed subjectively normal liver size, contour, and structure. Parenchymal echogenicity was naturally coarse and hypoechoic to the spleen. Vascular and biliary tracts were of normal volume with no evidence of congestion. The gallbladder presented acceptably thin walls with primarily anechoic content. The cystic and common bile ducts were normal. No pathological hepatic lymphadenopathy was evident. No overt structural evidence of inflammatory, infiltrative or regenerative pathology was evident.

Gastrointestinal

The **gastrointestinal tract** revealed an edematous wall and hyperperistalsis with no loss of mural detail. Minor enhanced surrounding fat was noted around the regions of the gastrointestinal serosa. There was



PATIENT

Nugget Smith

no evidence of foreign body or neoplastic criteria. Images from the stomach, small intestine and colon were presented. This is most consistent with gastroenteritis owing to viral, bacterial/endotoxin or possible parasitic disease.

SPECIES

Canine

Pancreas

The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Pancreatic duct and capsular contour were acceptably normal and parenchyma respected normal curvilinear patterns. No overt evidence of active inflammatory or neoplastic disease was noted.

BREED

Cavalier King Charles Spaniel

ULTRASONOGRAPHIC FINDINGS

SEX

Neutered male

Gastritis pattern.

Degenerative renal changes with subnormal renal size.

AGE

1 ½ years

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Full ACTH stimulation is warranted to assess for Addison's. Toxin exposure should also be considered. Primary renal dysplasia is a potential given the subnormal renal size and cortical presentation.

WEIGHT

7 kg

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Alejandro Vargas
Lumbreras

HOSPITAL NAME

Central Island
Veterinary Emergency
Hospital

REFERRING VET

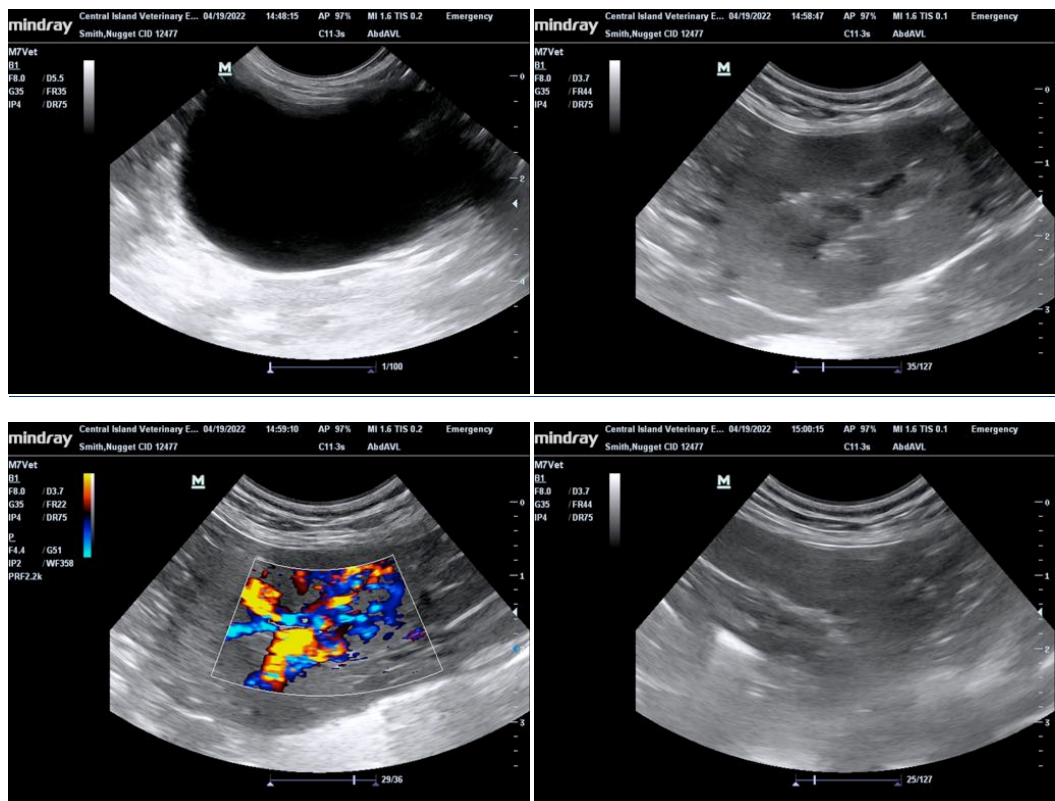
Dr. Guenther

INVOICE

99366

DATE

4/19/22





PATIENT

Nugget Smith

SPECIES

Canine

BREED

Cavalier King Charles
Spaniel

SEX

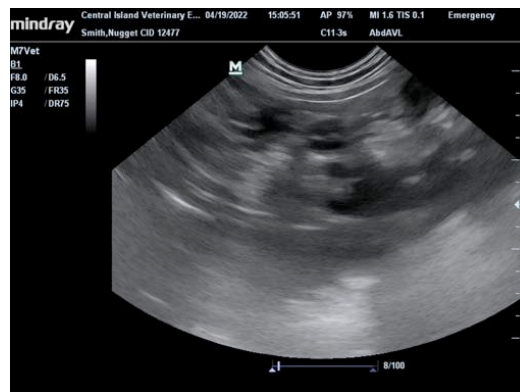
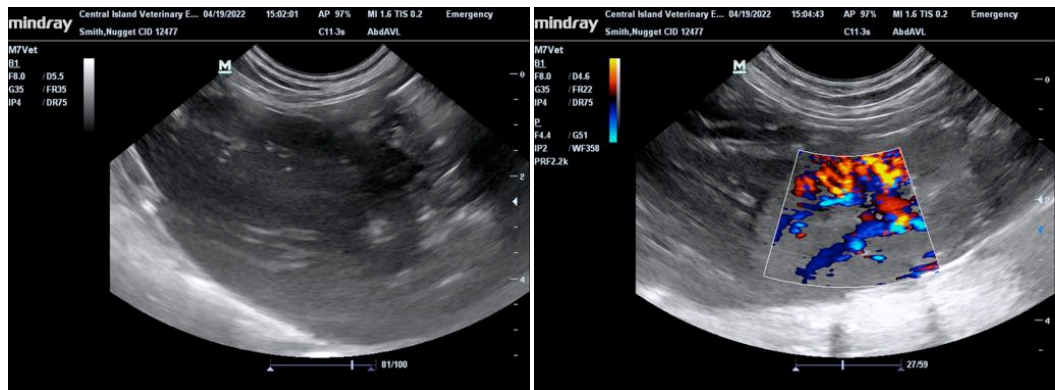
Neutered male

AGE

1 ½ years

WEIGHT

7 kg



INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Alejandro Vargas
Lumbreras

HOSPITAL NAME

Central Island
Veterinary Emergency
Hospital

REFERRING VET

Dr. Guenther

INVOICE

99366

DATE

4/19/22

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.

Eric Lindquist, DMV, DABVP, Cert. IVUSS, CEO of SonoPath.com
info@SonoPath.com