



PATIENT

Kona White

SPECIES

Canine

BREED

Toy Poodle

SEX

MN

AGE

1 year

WEIGHT

9.9 #

INTERPRETED BY

Remo Lobetti, BVSc,
MMedVet (Med), PhD,
Dipl. ECVIM

IMAGING PERFORMED BY

Brent Crutchfield, DVM

HOSPITAL NAME

Treasure Coast Animal
Emergency

REFERRING VET

Dr Cail

INVOICE

303835

DATE

1/31/23

PRESENTING CLINICAL SIGNS

History: Ultrasound for possible liver shunt.

Physical Examination: N/A.

Urinalysis: N/A.

CBC: N/A.

Serum Biochemistry: Elevated liver enzyme activity and bile acids.

Radiographic Findings: N/A.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

Full urinary bladder with a normal thickness (0.2 cm) and appearance of the wall. Normal anechoic urine with no sediment or uroliths evident.

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

Normal iliac lymph nodes. Ureters not visualized.

Normal renal size (left 3.3 cm, right 3.4 cm), echogenic appearance, cortico-medullary differentiation, pelvis, and capsule.

Reproductive System

Small hypoechogenic prostate (0.9 cm).

Adrenal Glands

Normal shape, echogenic appearance, position, and size. Left 0.32 cm, right 0.48 cm.

Spleen

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

Liver

Small in size with a normal echogenic appearance, portal markings, and regular curvilinear capsule. No nodules or masses evident. Full gall bladder containing normal anechoic bile. Normal thickness (0.1 cm) and echogenic appearance of the gall bladder wall. Normal bile duct.



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Gastrointestinal

Normal appearance of the gastro-esophageal junction, stomach, duodenum, small intestine, ileo-cecal junction, and colon with no loss of layering, normal wall thickness (stomach 0.19 cm, duodenum 0.42 cm, jejunum 0.26 cm, colon 0.13 cm) and peristalsis, and no distension of the lumen.

Pancreas

Normal size and echogenic appearance. Regular capsule. Normal echogenic appearance of the mesentery and fat surrounding the pancreas.

Free Abdomen

No mesenteric lymphadenomegaly.

No ascites.

Normal size and ratio of the portal vein, caudal vena cava, and aorta with no turbulent flow evident.

ULTRASONOGRAPHIC FINDINGS

Primary findings:

- Small liver.

Secondary findings:

- None.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

With the small liver and normal size and ratio of the portal vein, caudal vena cava, and aorta with no turbulent flow, primary portal vein hypoplasia (microvascular dysplasia) would be the most likely diagnosis, which would require a liver biopsy to confirm the diagnosis.

If there are encephalopathy signs, then management would be liver diet and lactulose.



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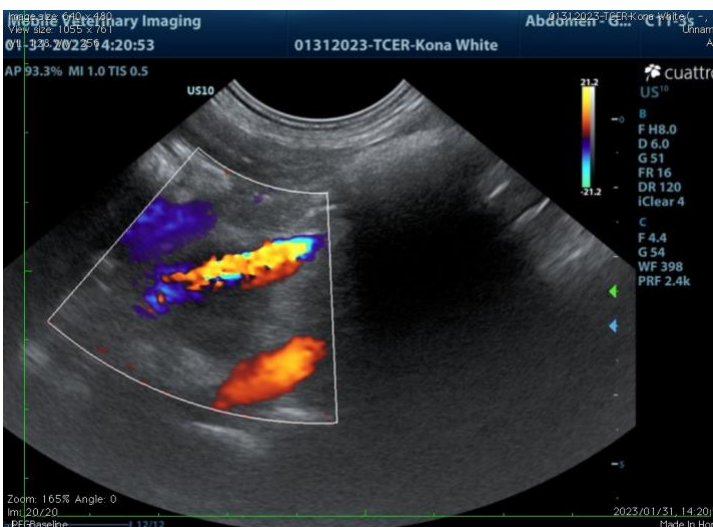
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IMAGES

Liver



Blood vessels



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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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