

PATIENT PRESENTING CLINICAL SIGNS

PATIENT Mocha Schene
SPECIES Canine
BREED Bearded Collie
SEX Neutered Male
AGE 11 Years
WEIGHT 62.4 Pounds

Mild ALT elevation since May, 2020 which decreased to 181 on Denamarin. Previous AUS (Feb, 2021): hepatomegaly with hyperechoic heterogeneous liver parenchyma and multiple ill-defined hypoechoic hepatic nodules - c/w benign regenerative nodules; bilateral renal degenerative changes. On Denamarin 425 mg SID.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder exhibited normal thickness and tone. Anechoic urine was present in the lumen with no uroliths or sediment. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes were noted.

The residual prostate was symmetrically normal in size with uniform parenchyma and slight coarse echotexture. The prostate measured 0.95 cm in width.

A solitary medial iliac lymph node adjacent to the iliac trifurcation exhibited normal width to length ratio of <0.5 and uniform isoechoic echogenicity, measuring 0.63 cm width.

Normal size and margination was present in the kidneys. A normal 1:3 cortex / medulla ratio was maintained. The medulla and cortices were uniform in texture with some increased echogenicity and loss of corticomedullary symmetry and definition expected for the age of the patient. Scant pyelectasia noted in both kidneys. The right kidney measured 6.8 cm. The left kidney measured 6.5 cm.

Adrenal Glands

The bilateral adrenal glands were normal in size. Mild parenchyma heterogeneity and mild capsule asymmetry was present without suspicion for overt neoplasia. The left adrenal gland measured 0.64 cm at the cranial pole and 0.72 cm at the caudal pole. The right adrenal gland measured 0.62 cm at the cranial pole and 0.67 cm at the caudal pole.

Spleen

The spleen exhibited primarily finely textured parenchyma which was hyperechoic to the liver and renal cortical parenchyma. Mild generalized parenchyma heterogeneity was present without evidence of nodular changes. 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. The parenchymal heterogeneity is likely consistent with benign changes such as extramedullary hematopoiesis or age related remodeling with minor potential for inflammatory or neoplastic disease. Mild caudal medial folding was present. Splenic folding is not overtly indicative of underlying splenic pathology and is likely a patient variant. No evidence of splenic masses.

Liver

The liver was mildly enlarged. The parenchyma of the liver exhibited generalized mild increased echogenicity with moderate coarse echotexture and multifocal subtly hypoechoic, non-expansive parenchymal nodules. Example of nodule measured 1.2 cm diameter. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was non distended in size with moderate, non-dependent yet non-organized, echogenic debris. The common bile duct was normal.

Gastrointestinal

The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach contained echogenic, nonshadowing ingesta most consistent with post prandial presentation without signs of ileus, obstruction or foreign material.

INTERPRETED BY

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

IMAGING PERFORMED BY

Pamela Harrigan, RDMS

HOSPITAL NAME

Anchor AH

REFERRING VET

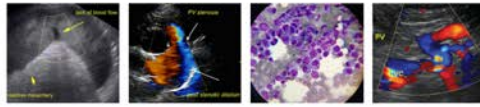
Dr. Katherine Pietsch

INVOICE

24843

DATE

8/19/21



PATIENT

Mocha Schene

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.

SPECIES

Canine

Pancreas

The pancreas was normal in size and contour with isoechoic to heterogeneous parenchyma compared to adjacent omentum. No signs of active inflammation or neoplasia.

BREED

Bearded Collie

Free Abdomen

No overt lymphadenopathy or peritoneal effusion was present.

SEX

Neutered Male

ULTRASONOGRAPHIC FINDINGS

- Mild hepatomegaly with generalized increased parenchyma echogenicity and multifocal subtly hypoechoic parenchymal nodules.
- Moderate gallbladder debris (non-mucocele)
- Heterogeneous pancreas
- Mild age related kidneys with scant pyelectasia

AGE

11 Years

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

WEIGHT

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The scant pyelectasia noted in both kidneys is non-specific and may be secondary to early age related chronic renal changes or potential pelvic scarring. Baseline renal staging to include urine culture and sensitivity and urine protein/creatinine ratio may be considered if urinalysis supports this testing.

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

The presentation of the liver may indicate vacuolar hepatitis, chronic active hepatitis, cholangiohepatitis, early fibrosis / cirrhosis or other hepatopathy. Neoplasia considered a less likely differential diagnosis yet cannot be excluded. The gallbladder debris may be secondary to fasting or indicate nonclinical cholestasis. Hepatosupportive medications including current Denamarin with the addition of Ursodiol (given the presence of gallbladder debris) is suggested. Assuming normal clotting status, hepatic FNA may be considered for screening cytology.

IMAGING PERFORMED BY

Pamela Harrigan, RDCS

The heterogeneous pancreas likely indicates age related pancreatic changes and is considered incidental.

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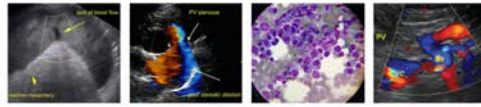
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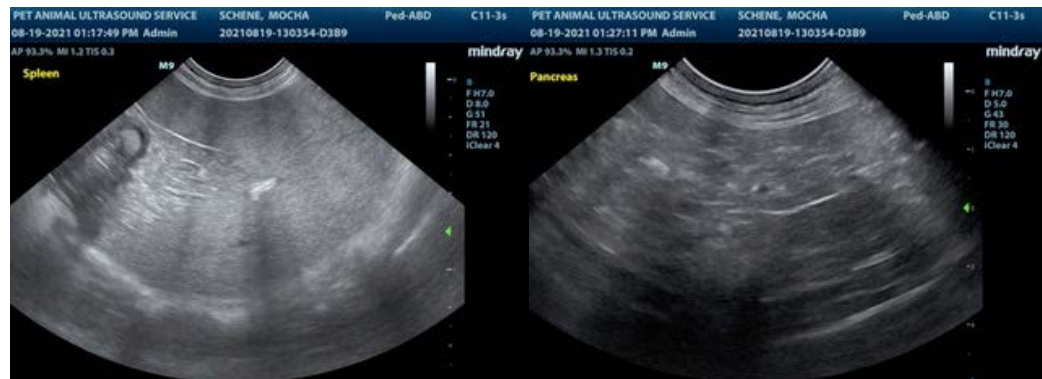
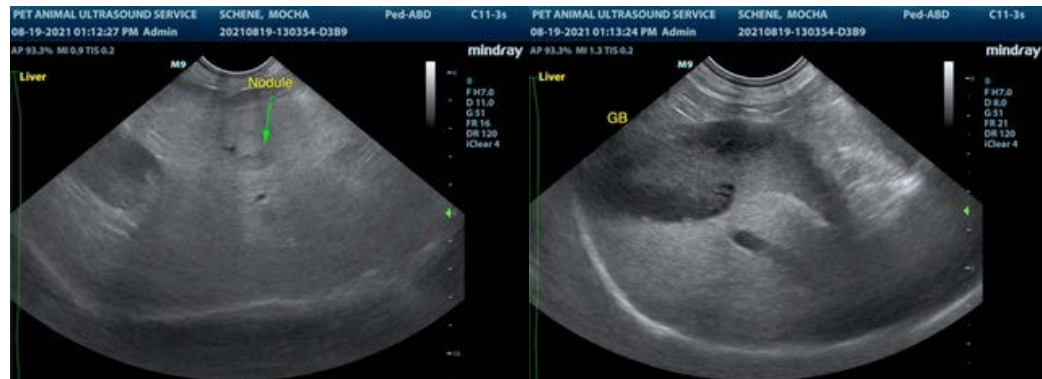
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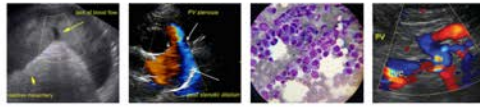
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Mocha Schene

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.

SPECIES

Canine

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.

BREED

Bearded Collie

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info@SonoPath.com

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