



PATIENT	PRESENTING CLINICAL SIGNS
Francesco Costagna	High AlkP Abnormal PE/Chem/CBC/UA Results: ALKP 732 H, Triglyc 324 H
SPECIES	ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN
Canine	Urinary System
BREED	The bladder is moderately distended with anechoic urine. No uroliths are seen. The bladder wall is normal in appearance and thickness. No masses are seen. No papillae seen.
Schnauzer x	The right kidney presents normal size (7.4 cm) with normal shape and architecture. Normal corticomedullary distinction. No pyelectasia, ureteral dilation or nephrolithiasis.
SEX	
Spayed Female	The left kidney presents normal size (6.3 cm) with normal shape and architecture. Normal corticomedullary distinction. No pyelectasia or ureteral dilation. Mild non-obstructive linear multifocal hyperechoic diverticular foci with acoustic shadowing are noted.
AGE	Adrenal Glands
7 Years	The right adrenal gland presents normal shape and homogenous parenchyma. The phrenic vasculature is unremarkable. The cranial pole measures 7.1 mm and the caudal pole measures 4.9 mm.
WEIGHT	The left adrenal gland presents normal shape and homogenous parenchyma. The phrenic vasculature is unremarkable. The cranial pole measures 4.8 mm and the caudal pole measures 5.5 mm.
52.7 lbs	Spleen
INTERPRETED BY	The spleen is normal in size, shape, margination and echogenicity. No masses are seen. Normal blood flow.
Greg Kuhlman, DVM, DACVIM (SAIM)	Liver
IMAGING PERFORMED BY	Liver is subjectively enlarged (swollen contour) without disruption of architecture. It has a normal homogenous echotexture. Parenchyma is diffusely hyperechoic characterized by less prominent than normal portal vein walls and increased echogenicity relative to the spleen and falciform fat. No focal lesions are observed. Visible vasculature and biliary tree appear normal without distension or congestion.
Rebecca Hamilton	The gallbladder presents normal size with anechoic contents. Normal gallbladder wall. No evidence of bile duct distention or obstruction.
HOSPITAL NAME	Gastrointestinal
Companion Animal Hospital	The stomach and intestines have normal wall layering and thickness. Colon contains normal contents with normal wall thickness.
REFERRING VET	Pancreas
Dr. Tsai	No pathology seen in the area of the left pancreas. The right pancreas appears normal. No evidence of pancreatitis seen on this exam.
INVOICE	
74518	
DATE	
4/16/26	



PATIENT

Francesco Costagna

SPECIES

Canine

BREED

Schnauzer x

SEX

Spayed Female

AGE

7 Years

WEIGHT

52.7 lbs

INTERPRETED BY

Greg Kuhlman, DVM,
 DACVIM (SAIM)

IMAGING PERFORMED BY

Rebecca Hamilton

HOSPITAL NAME

Companion Animal
 Hospital

REFERRING VET

Dr. Tsai

INVOICE

74518

DATE

4/16/26

Free Abdomen

There are no enlarged abdominal lymph nodes seen on this exam. No free abdominal fluid is seen.

ULTRASONOGRAPHIC FINDINGS

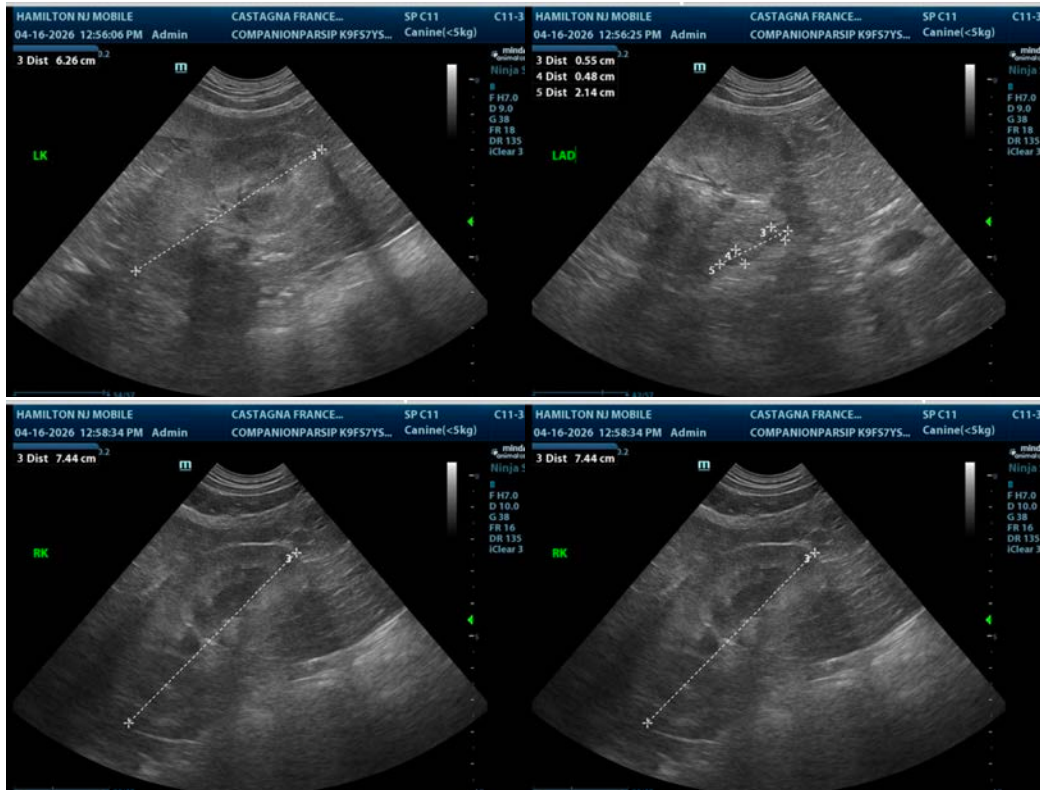
- Enlarged, hyperechoic liver – Most likely consistent with patient's reported hypertriglyceridemia causing a benign vacuolar hepatopathy, which is most likely the cause of the elevated ALP.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

If patient is not eating an ultra low-fat diet such as Royal Canin GI low-fat or Hills ID low-fat, switching to an ultra low-fat diet, feeding the diet very strictly, and rechecking triglycerides in 10 days would be recommended. If they normalize, continue with the diet. If they do not normalize, add Gemfibrozil at 150 mg by mouth twice daily and continue rechecking triglycerides until normal. Once triglycerides are normal, determine if over the next several ALP improves or resolves.

If hypertriglyceridemia is ruled out as a cause, look for other possible secondary causes for hepatopathy such as hyperadrenocorticism, hypothyroidism, occult pancreatic or occult gastrointestinal disease. Given it is an elevated ALP, infectious disease such as Leptospirosis is not considered likely in this patient. However, if the patient is not vaccinated, you could consider submitting Leptospirosis testing to rule it out.

Prognosis appears good at this time.





PATIENT

Francesco Costagna

SPECIES

Canine

BREED

Schnauzer x

SEX

Spayed Female

AGE

7 Years

WEIGHT

52.7 lbs

INTERPRETED BY

Greg Kuhlman, DVM,
DACVIM (SAIM)

IMAGING PERFORMED BY

Rebecca Hamilton

HOSPITAL NAME

Companion Animal
Hospital

REFERRING VET

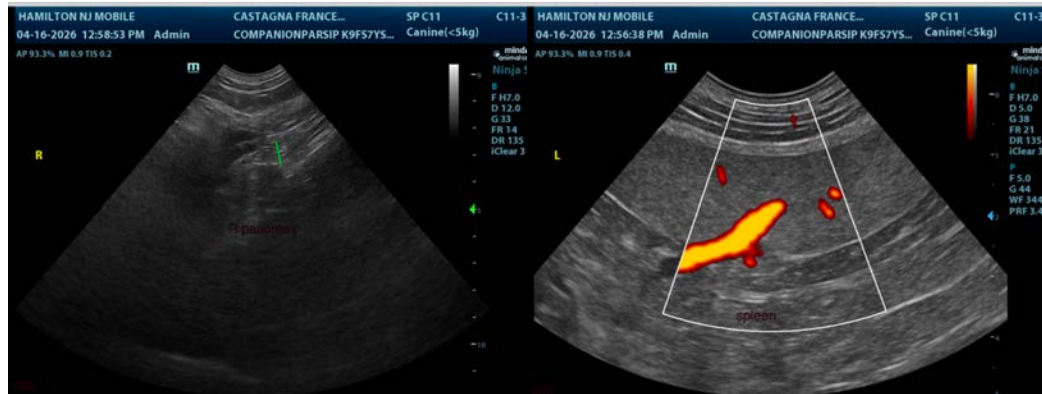
Dr. Tsai

INVOICE

74518

DATE

4/16/26



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.

Greg Kuhlman, DVM, DACVIM (SAIM)

Veterinary Internal Medicine Specialist

info@SonoPath.com