



	DATE	PRESENTING CLINICAL SIGNS
	3/5/23	History of regurgitation and partial laryngeal paralysis with recent history of potential chronic hepatitis. Non recurring episode of bleeding (unknown origin - owner found around muzzle). No recent significant exam findings to indicate source of bleeding. Elevated liver enzymes (ALP,AST, GGT) with neutrophilia and monocytosis.
	INTERPRETED BY	Normal PT/PTT Normal T4 Normal UA
L.D. McGill, DVM, Ph.D, DACVP		Previous abdominal ultrasound at Central OR Referral 11/22 with liver aspirates - potential chronic hepatitis with increased mature mast cells noted
	PATIENT	Previous thoracic and abdominal radiographs at CORC 11/22 NSF Current Medications
Parker Zinkus		Vetmedin 5mg BID, prednisone 5mg SID, sucralfate 0.5g BID, CBD oil ad needed, acepromazine 3mg as needed
	SPECIES	CYTOLOGY SUBMISSION
	Canine	Liver
	BREED	OBSERVATIONS
Brittany		Liver: Submitted are 2 excellent videos of excellent collections of hepatocytes from the liver in Parker. The cellularity consists of good collections of hepatocytes with irregular vacuolization and minimal granularity in the cytoplasm. There is minimal inflammation interspersed throughout the hepatocytes. The major change is the vacuolization of the hepatocytes.
	SEX	INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS
Male Neutered		Liver - Moderate hepatocellular vacuolization with minimal inflammation.
	AGE	COMMENTS
15y		The changes in this cellular collection from the liver suggest hepatocellular vacuolization and possibly mild granularity in the liver in Parker. There is minimal inflammation, if any, in this collection. Vacuolization can be secondary to maturing cell membranes and leakage of enzymes into the surrounding fluid. There is no suggestion of malignancy or sepsis. At this time I suspect that the liver is responding secondarily to other problems in the abdominal cavity or the hepatocyte membranes are becoming mature and leaking enzymes which is not uncommon in the dog. I was unable to identify copper in the hepatocytes but copper could be present too. A guarded prognosis is warranted due to the fact that the underlying cause is not identified although hepatocellular membrane maturation may be a part of the problem in Parker.
	WEIGHT	
38 lbs		
	HOSPITAL NAME	
Linn Veterinary Hospital		
	REFERRING VET	
Dr. Beachy		
	INVOICE NUMBER	
905		



DATE

3/5/23

INTERPRETED BY

L.D. McGill, DVM, Ph.D,
DACVP

PATIENT

Parker Zinkus

SPECIES

Canine

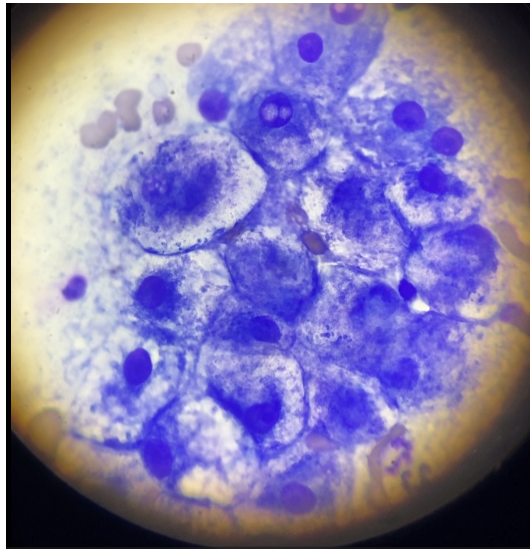


Image shows a representative collection of hepatocytes from the liver in Parker. Note the fluid and vacuolization in the cytoplasm of these hepatocytes.

BREED

Brittany

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.

SEX

Male Neutered

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.

AGE

15y

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WEIGHT

38 lbs

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