



DATE	PRESENTING CLINICAL SIGNS
8/19/22	Recent Weight loss and ADR U/S (Sonopath): Hypoechoic nodules in liver, concerning for neoplasia, granuloma, infection or FIP; Spleen is enlarged and irregular and there is some free fluid in abdomen. CBC is normal
INTERPRETED BY	SDMA 18 µg/dL 0 - 14 HIGH CREA 0.5 mg/dL 0.8 - 2.4 LOW
L.D. McGill, DVM, Ph.D, DACVP	BUN 12 mg/dL 16 - 36 LOW CA 6.9 mg/dL 7.8 - 11.3 LOW TP 7.0 g/dL 5.7 - 8.9 ALB 1.8 g/dL 2.2 - 4.0 LOW
PATIENT	GLOB 5.2 g/dL 2.8 - 5.1 HIGH ALT 187 U/L 12 - 130 HIGH ALKP 117 U/L 14 - 111 HIGH GGT 6 U/L 0 - 4 HIGH TBIL 2.7 mg/dL 0.0 - 0.9 HIGH
Piper Lauffer	Na 146 mmol/L 150 - 165 LOW K 3.3 mmol/L 3.5 - 5.8 LOW Cl 103 mmol/L 112 - 129 LOW Urine Spec Grav 1.035 w/ lots of WBC's and RBC's
SPECIES	
Feline	
BREED	CYTOLOGY SUBMISSION
Munchin	Liver
SEX	OBSERVATIONS
Female Spayed	Liver: Submitted are 9 excellent videos of excellent to moderate collections of cells from the liver in Piper. The cellularity is mixed. Where red blood cells are present, there are macrophages and neutrophils with scattered other inflammatory cells. The macrophages and neutrophils are the most numerous. There are multiple aggregates of cells that demonstrate anisocytosis and anisokaryosis. Occasionally the cells are aggregated in a way that they are suggestive of superficial mesothelial cells but there are many other aggregates of cells that suggest the likelihood of epithelial cells growing irregularly or possible aggregates of macrophages. The cells demonstrate prominent nucleoli and minimal cytoplasm.
AGE	
11 months	INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS
	Liver - Pyogranulomatous inflammation with packets of irregular cells.
WEIGHT	COMMENTS
3.6 lb	The major cellularity away from the clumps of cells is consistent with pyogranulomatous inflammation and probable FIP. The clumps of cells suggest the possibility of epithelial cells but they could be large numbers of macrophages. This is consistent with a pyogranulomatous inflammatory process. The cellularity is not classical for malignancy but I am concerned about that process. Further evaluation for feline coronavirus infection is encouraged. These slides could be sent off for PCR testing or there may be other ways of testing for feline coronavirus in Piper. At this time, due to the age I am most concerned about FIP and these aggregates of cells are likely aggregates of macrophages. Originally I was concerned about carcinoma but this is very atypical in an animal of this age. An unfavorable prognosis is warranted. There are new types of therapy for FIP that some are finding results but if my information is correct, this is rather expensive.
HOSPITAL NAME	
Franklin Animal Clinic	
REFERRING VET	
Dr. Doverspike	
INVOICE NUMBER	
781	



DATE

8/19/22

INTERPRETED BY

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

PATIENT

Piper Lauffer

SPECIES

Feline

BREED

Munchin

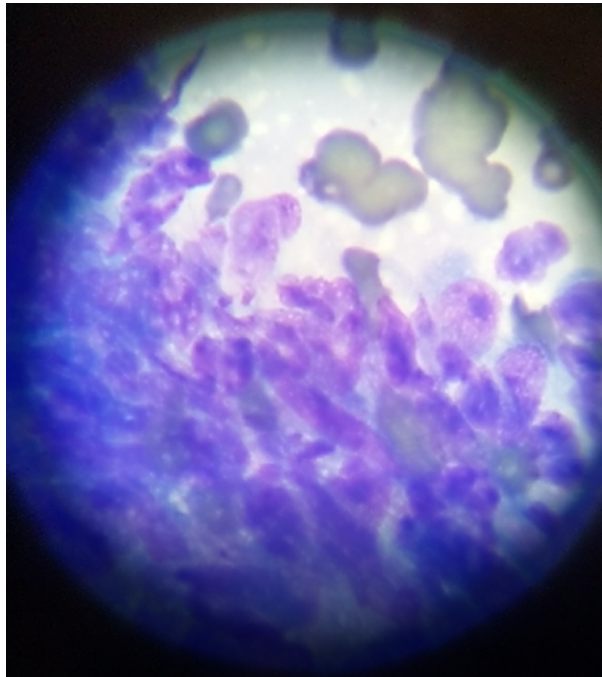


Image shows aggregates of cells collected from the liver in Piper. They very likely are macrophages.

SEX

Female Spayed

AGE

11 months

WEIGHT

3.6 lb

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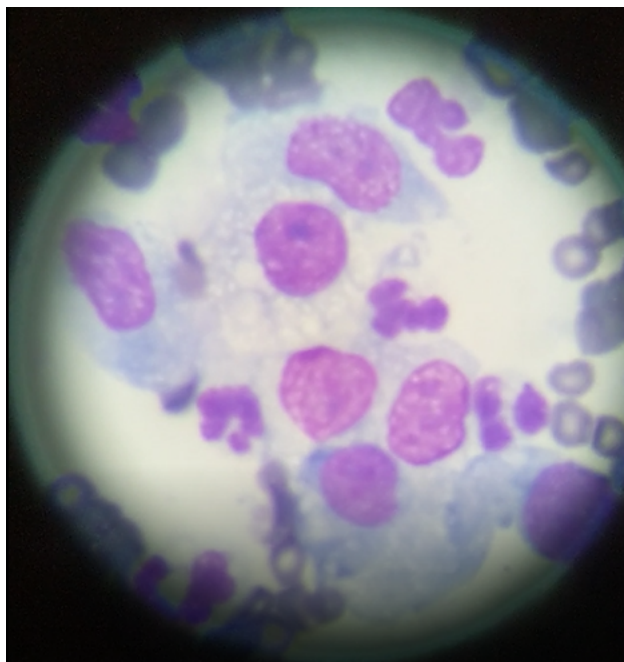


Image shows a group of macrophages with neutrophils collected from the liver in Piper.



DATE 8/19/22 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.

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

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

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PATIENT

Piper Lauffer

SPECIES

Feline

BREED

Munchin

SEX

Female Spayed

AGE

11 months

WEIGHT

3.6 lb

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