

DATE PRESENTING CLINICAL SIGNS

8/30/22

Hx of vomiting, lethargy, wt loss. US showed swollen liver with increased portal markings and irregular contour; isoechoic nodular changes; enlarged hepatic lymph nodes. Pancreas revealed nodular irregular parenchyma, primarily left limb. FNA of liver and pancreas performed, 25g needle.

INTERPRETED BY

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

CYTOLOGY SUBMISSION

FNA of Liver & Pancreas

PATIENT

Coco Crumbly

OBSERVATIONS

Liver: Submitted are 5 excellent videos of cells collected from the liver in Coco. The cellularity is mixed. There are several fields that have hepatocytes that are slightly irregular in size and shape. Other fields have aggregates of hepatocytes that are slightly irregular. These hepatocytes are interspersed with inflammatory cells including neutrophils and lymphocytes. The hepatocytes demonstrate slight anisocytosis and anisokaryosis.

SPECIES

Canine

Pancreas:

The cellularity supports a proliferative process of irregular epithelial cells in aggregates that are difficult to confirm. Some of these cells have vacuolated cytoplasm and others demonstrate anisokaryosis and anisocytosis. There is also inflammation which includes hemorrhage neutrophils and macrophages. The irregular cells suggest the possibility of an epithelial cell proliferation.

BREED

Maltese

SEX

FS

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Liver - Consistent with hepatocellular proliferation with chronic suppurative hepatitis.
Pancreas - Irregular cells suggestive of a pancreatic acinar carcinoma.

AGE

12years

COMMENTS

The cellularity in this collection is suggestive of hepatocellular and pancreatic cellular proliferation with inflammation. The hepatocellular changes could be secondary to nodular hyperplasia but could also be due to hepatocellular carcinoma. Some of the cells could also be suggestive of a metastatic carcinoma but we cannot confirm that possibility with these cells Exploratory will be required to confirm what may be occurring in the liver tissue.

WEIGHT

9.8#

The cells collected from the pancreas are suggestive of some type of carcinoma which is most likely that of an acinar carcinoma in the pancreatic tissue. There is inflammation and degeneration occurring secondarily. Omental tissue and reactive omental cells are responding extensively. A guarded prognosis is warranted due to this extensive reactive process in the liver and pancreas.

HOSPITAL NAME

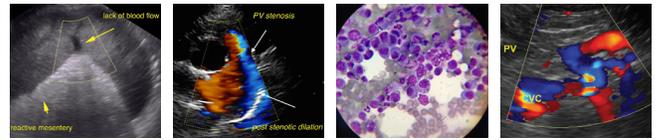
Rockaway Animal
Hospital

REFERRING VET

Dr. Ascot

INVOICE NUMBER

40589



DATE

8/30/22

INTERPRETED BY

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

PATIENT

Coco Crumbly

SPECIES

Canine

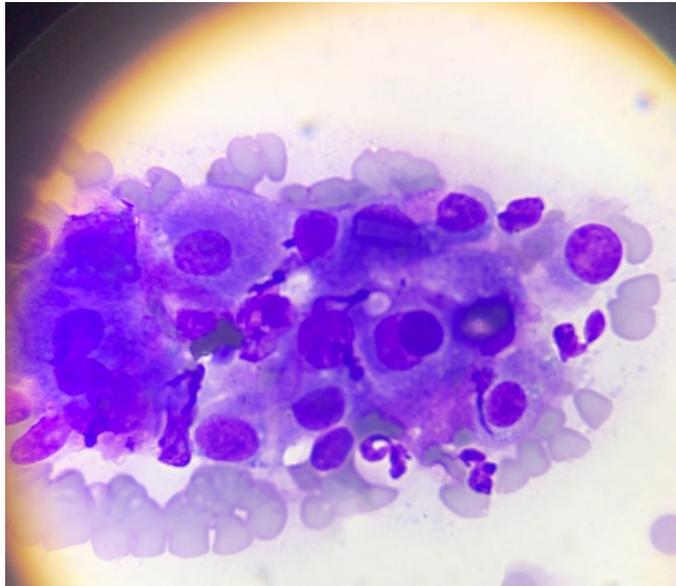


Image shows hepatocytes with anisocytosis and anisokaryosis in the cells collected from the liver in Coco. There are prominent neutrophils also.

BREED

Maltese

SEX

FS

AGE

12years

WEIGHT

9.8#

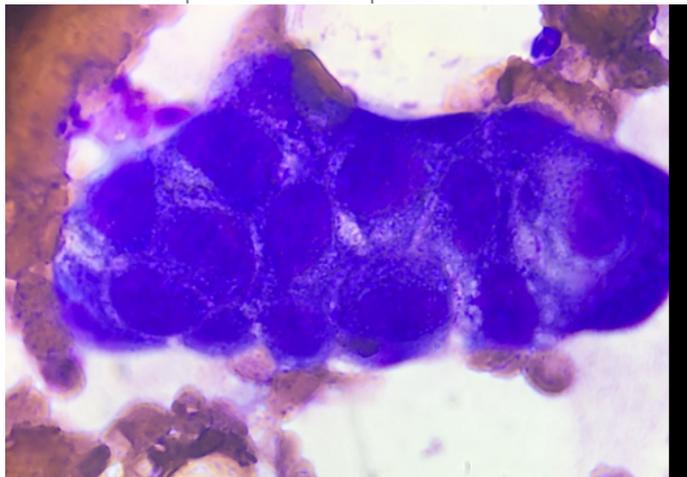


Image shows some of the cells collected from the pancreas in Coco. Note the anisocytosis and anisokaryosis of these cells.

HOSPITAL NAME

Rockaway Animal
Hospital

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.

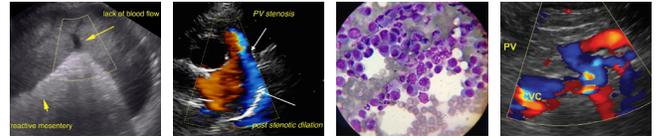
REFERRING VET

Dr. Ascot

L.D. McGill, DVM, Ph.D., DACVP
8288 Top of the World Drive
Cottonwood Heights, UT 84121
ldmcgill.vetpath@gmail.com
cell: 801-865-1220

INVOICE NUMBER

40589



DATE

8/30/22

INTERPRETED BY

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

PATIENT

Coco Crumbly

SPECIES

Canine

BREED

Maltese

SEX

FS

AGE

12years

WEIGHT

9.8#

HOSPITAL NAME

Rockaway Animal
Hospital

REFERRING VET

Dr. Ascot

INVOICE NUMBER

40589