



DATE PRESENTING CLINICAL SIGNS

3/19/22

Patient has had a history of frequent urination since May 2021. Abdominal ultrasound performed.

Bladder shows large, irregular soft tissue mass with mineralized foci, mild color flow on doppler. Sample obtained via traumatic urethral catheterization.

INTERPRETED BY

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

Liver shows large, irregular, isoechoic mass with few hypoechoic areas in the right caudate lobe. Sample obtained via ultrasound guided FNA.

ALT, AST, ALP elevated.

Urinalysis - cloudy, pH 8, few ammonium phosphate crystals.

PATIENT CYTOLOGY SUBMISSION

Logan Ronca

Bladder; liver

SPECIES

Canine

OBSERVATIONS

Bladder: Submitted are 4 excellent videos of moderate to minimal collections of cells from the bladder in Logan. There is a background of lubricant material which slightly interferes with the interpretation but there are irregular aggregates of epithelial cells throughout these videos. The epithelial cells are slightly irregular but not as pleomorphic as I often see with urothelial cell carcinoma. There is minimal inflammation.

BREED

Golden Retriever

Liver: Submitted are 5 excellent videos of excellent collections of cells from the liver. There are many clumps of hepatocytes and they are well evaluated with these videos. The hepatocytes demonstrate vacuolization and granularity in most of the videos. Video number 5 demonstrates some irregular cells with moderate to marked anisocytosis and anisokaryosis. There is very mild inflammation associated with these aggregates of hepatocytes collected from Logan.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

SEX

Male Neutered

Bladder - Aggregates of epithelial cells suggestive of urinary bladder polyp.

Liver - Aggregates of hepatocytes with vacuolization and granularity with video 5 showing cells that have the potential of hepatocellular carcinoma.

COMMENTS

AGE

11y

The cellularity from the bladder is not as prominent as I would expect for carcinoma nor are the cells as pleomorphic as I expect for carcinoma. They do suggest the possibility of an epithelial collection. I commend your traumatic catheterization as a means for collecting cells from the urinary tract. In my experience this is an excellent way to provide a good cytology collection that is often diagnostic. This is a particularly good practice for collecting cells from neoplastic prostates. Surgical intervention into the bladder in Logan may be beneficial in this case.

WEIGHT

95.3 lbs

The changes in the liver are concerning to me particularly with the number 5 video. Those cells are somewhat more pleomorphic than any of the other cells in the other videos. In general the hepatocytes appear to be vacuolated and granulated and could suggest nodular hyperplasia. The concern is the cells in the last video are much more irregular and demonstrates some atypia. This could be a hepatocellular carcinoma but I cannot confirm that diagnosis. Exploratory and excision of that mass and excision of the mass in the bladder at one time would be encouraged if further diagnostics are desired. A guarded prognosis is definitely warranted in Logan.

HOSPITAL NAME

Rotterdam Veterinary
Hospital

REFERRING VET

Dr. St Sir

INVOICE NUMBER

692



DATE

3/19/22

INTERPRETED BY

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

PATIENT

Logan Ronca

SPECIES

Canine

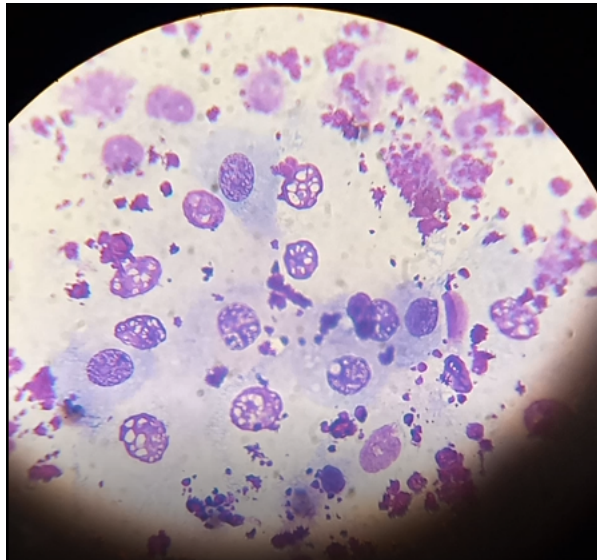


Image shows some of the epithelial cells collected from the bladder in Logan. The purple material is lubricant. There are minimal numbers of inflammatory cells.

BREED

Golden Retriever

SEX

Male Neutered

AGE

11y

WEIGHT

95.3 lbs

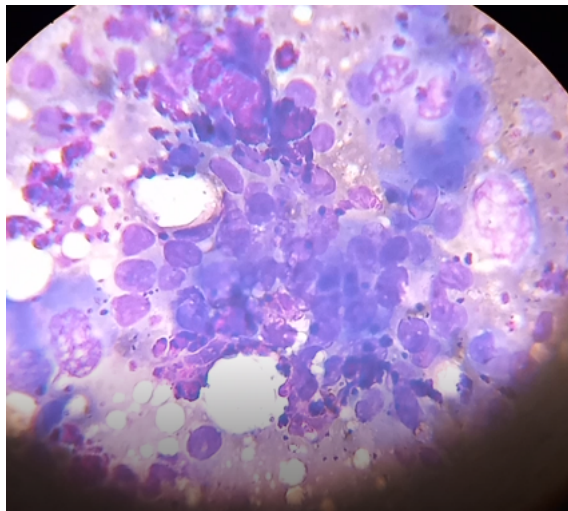


Image showing the irregular cells collected from the liver in Logan. Note the large nuclei and smaller nuclei in the center. This group of cells are different from the other hepatocellular collections.

HOSPITAL NAME

Rotterdam Veterinary
Hospital

REFERRING VET

Dr. St Sir

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.

INVOICE NUMBER

692



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

3/19/22
8288 Top of the World Drive
Cottonwood Heights, UT 84121
ldmcgill.vetpath@gmail.com
cell: 801-865-1220

INTERPRETED BY

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

PATIENT

Logan Ronca

SPECIES

Canine

BREED

Golden Retriever

SEX

Male Neutered

AGE

11y

WEIGHT

95.3 lbs

HOSPITAL NAME

Rotterdam Veterinary
Hospital

REFERRING VET

Dr. St Sir

INVOICE NUMBER

692