

PATIENT

Bessie Alston

SPECIES

Canine

BREED

Cocker Spaniel

SEX

Spayed female

AGE

12 years

WEIGHT

26.8 lbs

INTERPRETED BY

Dr. Lawrence McGill,
 DVM,Ph.D.,Diplomate,
 ACVP

IMAGING PERFORMED BY

Dr. Eric Lindquist

HOSPITAL NAME

Englewood VC

REFERRING VET

Dr. Ezik

INVOICE

71497

DATE

2/11/26

PRESENTING CLINICAL SIGNS

- Recheck FNA liver mass. Patient originally diagnosed with Cushing's. Liver enzymes normalized with Trilostane. Chronic skin and urine infections have resolved and PU/PD stopped. In Oct 25 follow up labs revealed adrenal over suppression. Veotryl was discontinued. Within 3-47 weeks PU/PD recurred and liver enzymes began to increase. Post ACTH stimulation cortisol values have been consistent with decreased adrenal reserve and recently reached about 2. Therefore, could not restart Trilostane. Ultrasound-guided liver FNA was performed 2 weeks ago and revealed moderate vacuolar hepatopathy. Normal energy and appetite, yet increased drinking and urination.
- Cortisol 1.99 resting, 2.3 post ACTH (cosyntropin 5 mg/kg) ALT 472, AST 62, ALP 630, GGT 21, cholesterol 700, lipase 1,100. Urine protein to creatinine ratio 5.2, Urinalysis 2+ protein, urine specific gravity 1.008, Urine cortisol to creatinine ratio 119. Leptospirosis PCR negative, urine culture negative. Bile acids pre 18 and post 62

CYTOLOGY SUBMISSION

FNA of the liver was submitted

OBSERVATIONS

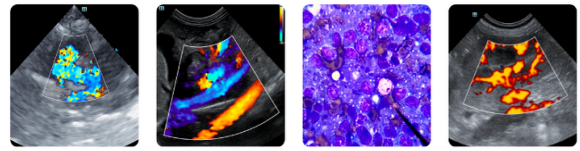
Liver: Submitted are 3 excellent videos of minimal collections of cells from the liver in Bessie. There are scattered aggregates of hepatocytes that demonstrate vacuolization of the cytoplasm. The nuclei are irregular in size and shape with some rather large nuclei. Surrounding the hepatocytes, there are scattered inflammatory cells but they are few in numbers. The hepatocytes are mainly vacuolated with some irregularity of the nuclei.

INTERPRETATION OF FINDINGS & FURTHER RECOMMENDATIONS

Liver - Hepatocellular irregularity suggesting a hepatocellular carcinoma or possible adenoma.

COMMENTS

With the irregularity of the nuclei, a neoplastic process appears very likely in this collection. A follow-up biopsy will be required to confirm the diagnosis but cytologically there are characteristics that suggest a proliferative process that is likely neoplastic. It may be an adenoma but it could also be a carcinoma. The vacuolization is the cellular change that you have described previously. Vacuolar hepatopathy certainly can follow Cushing's cases and continue after elimination of the disease process. A guarded prognosis is warranted in this case until the mass can be confirmed by biopsy.



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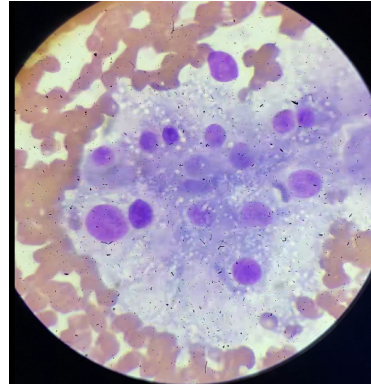
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CYTOLOGY IMAGE



This is an image of hepatocytes collected from Bessie. Note the irregular size and shape of the nuclei in this collection of vacuolated hepatocytes.

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.

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

8288 Top of the World Dr. Cottonwood Heights, UT 84121

Cell: 801-865-1220 Ldmcgill.vetpath@gmail.com