

DATE PRESENTING CLINICAL SIGNS

7/21/22

History: New exam findings: - Swelling in region of left cranial abdomen Previously noted:

1. Gingival growth in region of lower incisors, grade 3-4/4 t/c
2. Aging changes OU (decreased lens clarity)
3. Grade III left to right systolic murmur
4. Grade 1 MPL left hind, mild stiffness hind end
5. HX Hyperthyroidism well managed on current thyroxine dose
6. Otherwise no major changes

INTERPRETED BY

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

Current medications Thyroxine 0.2mg(1 T PO am, ½ POpm)

PATIENT

Bella Fae Blair

Radiographic Findings Radiographs (R lateral, VD): - Notable hepatic enlargement on lateral view with suspicious enlargement in cranial left abdominal quadrant on VD Multiple cystoliths in bladder, significant in size - Mild mineralizations in renal pelvis (bilateral) - Spondylosis deformans at L7-S1 - Normal gas opacities throughout intestines - Normal cardiac and pulmonary structures, Normal IVHS ~11 - Otherwise no soft tissue or skeletal changes noted.

SPECIES

Canine

Primary Question/Differential to Be Answered in This Exam Hepatic pathology Abnormal PE/Chem/CBC/UA Results: - CBC - mild microcytic hypochromic anemia (30.6%), otherwise wnl -- blood smear unremarkable, negative saline agglutination - Chemistry - mild hyperphosphatemia (IP 5.5), significant elevated ALP (354),

BREED

Maltese/poodle mix

CYTOLOGY SUBMISSION

FNA of Liver

OBSERVATIONS

SEX

FS

AGE

13yr

Liver: Submitted are 11 excellent videos of cells collected from the liver in Bella Fae. Many of the videos have a paucity of nucleated cells but there are other videos that include large numbers of nucleated cells. Where there is a paucity of nucleated cells, the cellularity is mainly inflammatory. Red blood cells are prominent. There are several videos that include large numbers of variable nucleated cells that are elongated to polyhedral. These cells demonstrate anisocytosis and anisokaryosis. An early mitotic figure was identified in one cell. Occasionally these cells are associated with hepatocytes but those were few. Many times these cells are individualized or slightly aggregated throughout the collection. Nucleoli were prominent and irregular.

WEIGHT

12

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Liver - Spindle cell to polyhedral cell proliferation suggestive of hemangiosarcoma with secondary inflammation.

HOSPITAL NAME

The Veterinary Hospital

COMMENTS

The cellularity in several videos is proliferative and demonstrates characteristics that are consistent with those identified with hemangiosarcoma. This likely is the type of growth in the liver. Inflammation and degeneration are secondary. Those aspirates are often hemorrhagic, but in this case, you were able to aspirate some cells. These cells have the characteristics with the vacuolization and anisocytosis observed in hemangiosarcoma. These tumors are difficult to completely excise and very likely there are hemangiosarcoma cells in other organs including the spleen. Cardiovascular evaluation should be undertaken since hemangiosarcoma can start in the ventricular tissue in the heart. With these cells, an unfavorable prognosis is warranted in my opinion.

REFERRING VET

Dr. Berman

INVOICE NUMBER

40567



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

PATIENT

Bella Fae Blair

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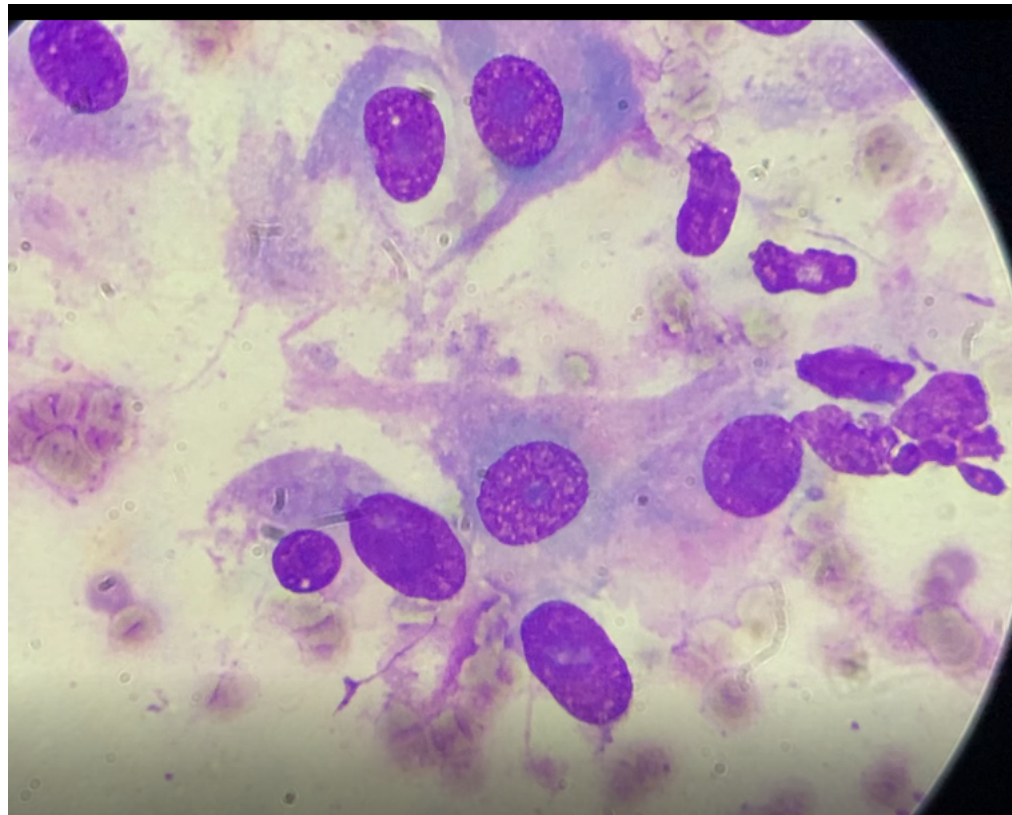


Image demonstrating the irregular spindle/polyhedral cells collected from the liver in Bella Fae. There is prominent anisokaryosis.

AGE

13yr

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.

WEIGHT

12

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.

HOSPITAL NAME

The Veterinary Hospital

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