



DATE PRESENTING CLINICAL SIGNS

3/1/23

Suspect Hypertrophic Osteopathy secondary to lung mass/lesion. Dog is a trained Bed Bug Detection dog, now retired. Has been up and down the East Coast working.
PE: Firm swelling of elbows, carpi and hocks, swelling extends from carpi and hocks thru paws. Bilateral conjunctivitis.

INTERPRETED BY

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

RADS: Significant mass in thorax; suspect is lung in origin. Periosteal new bone +/- lytic lesions distal right ulna.

BW: ALP 257

AUS: normal echo, R middle lung lobe is irregular, heterogenous, variable sized cavitations and mineralizations. Some trapped air. Rest of lung lobes appear normal on pleural surface.

PATIENT

Layla Heselton

CYTOLOGY SUBMISSION

FNA of consolidated lung lobe/lung lobe mass, R middle lung lobe.

SPECIES

Canine

OBSERVATIONS

Lung mass aspirate: Submitted are 9 excellent videos of cells collected from the lung mass in Layla. The cellularity is consistent through all of these videos. Macrophages are the most prominent with marked vacuolization in the cytoplasm. There are scattered lymphocytes and neutrophils, but they are rare. The macrophages have become giant cells in one or two instances. There is no suggestion of malignancy in any of these images. It appears to be due to a collection of macrophages that are phagocytosing vacuolated material.

BREED

Labrador Retriever

SEX

Female

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

lung mass aspirate - Granulomatous inflammation with marked vacuolization of macrophages suggesting lipid or oil.

AGE

6 years

WEIGHT

NA

COMMENTS

The cellularity does not suggest malignancy. The macrophages are phagocytosing lipid or oil. If there is any history of treatment with oil or a potential of inhalation of oil by Layla, then there is a possibility that there was inhalation. I suspect that this is a localized area of inhalation pneumonia. Excision of this mass may be curative. Excision will be required to confirm the source of the underlying process. I did not identify any evidence of malignancy or sepsis. This certainly could interfere with respiratory activity in Layla. A good if completely excised prognosis is expected if surgery is contemplated.

HOSPITAL NAME

Scanvet

REFERRING VET

Dr. Barengo

INVOICE NUMBER

40676



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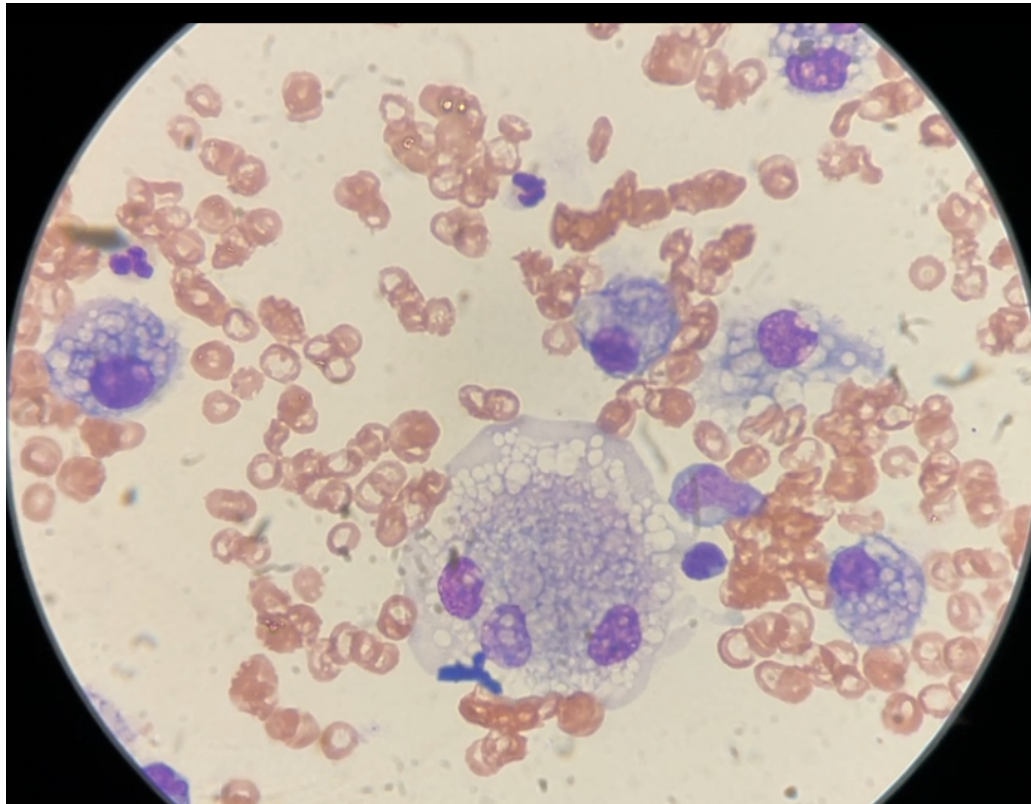


Image shows a group of macrophages with foamy cytoplasm collected from Layla. Note the large multinucleated cells in the center.

AGE

6 years

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

NA

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

Scanvet

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

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