



## PATIENT

Phantom Johnson

## SPECIES

Canine

## BREED

Boxer

## SEX

Neutered male

## AGE

7 years

## WEIGHT

107.3 lbs

## INTERPRETED BY

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

## IMAGING PERFORMED BY

Brooke Thurstonson

## HOSPITAL NAME

Ruidoso AC

## REFERRING VET

Thurstonson

## INVOICE

69074

## DATE

11/25/25

## PRESENTING CLINICAL SIGNS

History: Owner noted swollen LN/masses on the neck over the last 7-10 days. Fluctuate according to owner. Pet is still eating/drinking well, normal energy, no V/D/C/S. LN aspirates of the prescapular and inguinal LN.

Abnormal PE/Chem/CBC/UA Results: Diffuse peripheral lymphadenopathy. Temp 102.2F. PE otherwise unremarkable. CBC- Mild hemoconcentration (HCT: 61%); low normal leukocytes. Chemistry- WNL. UA not performed

## CYTOLOGY SUBMISSION

FNA of the lymph node was submitted

## OBSERVATIONS

Lymph node: Submitted are 8 excellent images and 5 excellent videos of cells collected from the lymph node in Phantom. The videos are of slides moving rapidly so it is difficult to focus. Halting every few seconds for a second or two is always a good idea. The cellularity includes large numbers of round cells. There are some mature round cells but they appear to be fewer than 50% of the cellularity. The majority of the cells are large irregular lymphoid cells, some with prominent nucleoli. The large cell population has not completely effaced the cellularity. There are scattered neutrophils in the lymph nodes. Scattered mitotic figures are observed.

## INTERPRETATION OF FINDINGS & FURTHER RECOMMENDATIONS

Lymph node - Suggestive of high-grade lymphoma.

## COMMENTS

The cellularity in this collection is suggestive of early high-grade lymphoma. It is not diagnostic since the large cells have not completely effaced the normal lymph node structure. The cellularity however demonstrates adequate numbers of large cells to be suspicious or suggestive of high-grade lymphoma. Further evaluation to confirm the diagnosis is encouraged. If chemotherapy is contemplated, then immunophenotyping of the cells to confirm the specific cell type may be beneficial for prognosis. The slides may be submitted for PARR testing or new slides that are not stained can be submitted for immunocytochemistry staining. Flow cytometry can be beneficial but will require a repeat collection of cells prior to submission to the laboratory. Contacting the laboratory to confirm how to submit flow cytometry samples is encouraged. A guarded prognosis is warranted due to the fact that there are increased numbers of atypical cells and that this dog is not clinically affected at this time.



## PATIENT

Phantom Johnson

## SPECIES

Canine

## BREED

Boxer

## SEX

Neutered male

## AGE

7 years

## WEIGHT

107.3 lbs

## INTERPRETED BY

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

## IMAGING PERFORMED BY

Brooke Thurstonson

## HOSPITAL NAME

Ruidoso AC

## REFERRING VET

Thurstonson

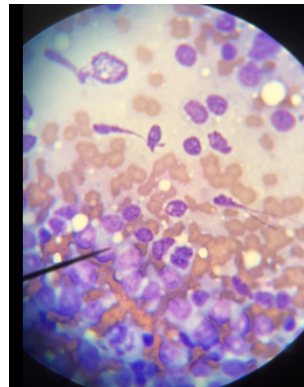
## INVOICE

69074

## DATE

11/25/25

## CYTOLOGY IMAGE



This is an image of slightly out of focus lymphoid cells with a mitotic figure in the center and increased numbers of atypical lymphoid cells associated with the smaller number of mature lymphoid cells collected from the lymph node in Phantom.

**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](mailto:Ldmcgill.vetpath@gmail.com)