

Owner: Monie \37-515

OSUVDL Accession#: V2007-15712
Date received: 6/18/2007

Proof Report

Oregon State University Veterinary Diagnostic Laboratory

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Veterinarian/Submitter: OSU Veterinary Teaching Hospital
Magruder Hall, Room 158
Corvallis, OR 97331
Account#: C101265
VTL162
Owner's Name: Alan & Sherry Monie \37-515

Attention: Dr. Reed

Date specimens received: 6/18/2007

Preliminary reports:

Phone Reports:

Final report: Email 6/25/2007, Email 6/25/2007

Client Phone: (541)737-2858 Client Fax: (541)737-8651

Animal ID: Penny 37-515 Sex: Female Age: 11 Years

Species: Camelid Breed: Alpaca

Tests Requested: Necropsy

Specimens Submitted: One alpaca

Previous Cases:

LABORATORY TEST STATUS	ORDERED	CURRENT STATUS
Anaerobic Culture	6/18/2007	Completed 6/22/2007
Routine Culture	6/18/2007	Completed 6/22/2007
Histo, special stains N/C	6/21/2007	Completed 6/25/2007
Necropsy, Eq/Camelid, <300 lbs	6/18/2007	Completed 6/18/2007
Hist: Companion An Necropsy	6/18/2007	Completed 6/25/2007
Fecal: Sugar Centrifugation	6/19/2007	Completed 6/19/2007

Summary:

DIAGNOSIS: Severe acute aspiration pneumonia; mild enteritis; nephrosclerosis

CONCLUSIONS

The animal deteriorated rapidly due to the aspiration pneumonia that was acute and wide-spread. Pathologic abdominal distention was not diagnosed on gross examination. There was mild non-specific inflammation of the small and large intestine. Coccidia were neither in the feces nor histologic sections of intestine. The small numbers of *Clostridia* sp. isolated from the small intestine are interpreted as postmortem overgrowth. A piece of lung was saved and could be submitted for culture. Mixed-bacterial (saprophytic) growth would be expected in a case of aspiration pneumonia. There is indication of chronic non-specific renal damage. The mucoid casts are unusual and may be due to decreased renal output. Dr. Bildfell was consulted on the renal changes.

Dr. Christiane L hr, Dipl. ACVP

Please contact me at (541) 737-3261 if this interpretation is inconsistent with your clinical impression or requires further clarification.

Pathology

Date completed: 6/25/2007

Test: Hist: Companion An Necropsy

Animal ID: Penny 37-515, Camelid

Page 1 of 4

Owner: Monie \37-515

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Histopathology Report:

Slide 1

Kidneys: numerous basophilic casts (most likely mucus); a few tubules and collecting ducts with thickened basement membrane zone (collagen as per Trichrome) and surrounding fibrosis; some glomeruli are displaced by similar structures (collagen as per Trichrome); amny glomeruli with thickened (fibrotic - as per Trichrome) capsule; scattered loose interstitial, mostly lympho-plasmacytic only rarely neutrophilic infiltrates

Pancreas: some islets have hypereosinophilic cells

Slide 2

Lung: one of two sections with peracute mild suppurative multifocal bronchiopneumonia with neutrophils and rare foreign material in bronchioles and neutrophils, macrophages, and fibrin in surrounding alveoli; second section ha no significant lesions

Liver: centrilobular hepatocytes with eosinophilic single large droplets and numerous fine green-grey granules in cytoplasm (some of which stain faintly for iron); random scattered hepatocytes with hypereosinophilic cytoplasm and faded or condensed nuclei (degeneration); minimal bile duct hyperplasia

Spleen: lymphoid depletion

Adrenal gland: vacuolization of zona fasciculata

Slide 3

Lung: two sections with fibrinous pneumonia with expansion of interlobular septa by edema, severe hyperemia of alveolar septa, and loose alveolar luminal infiltrates of neutrophils, macrophages and fibrin; in one section large areas of thickening of alveolar walls with palely eosinophilic fibrillar material (collagen as per Trichrome stained recut; no amyloid detected in Congo red stained recut); also minimal suppurative bronchiolitis

No significant lesions are seen in the heart.

Slide 4

Small and large intestine: diffuse mild loose proprial infiltrate with leukocytes with multifocal small (perivascular) aggregates in the lamina muscularis mucosa; some areas of serous atrophy in mesentery

No significant lesions are seen in the esophagus, urinary bladder, and stomach.

Slide 5

Small and large intestine: as above

Tonsil: groove dilated with inspissated eosinophilic material (secret?)

No significant lesions are seen in the stomach.

Slide 6

Large intestine: as above

Fetal skin (bilateral circular ~ 1 cm in diameter grey crusty areas over flank): segmental compact hyperkeratosis

No significant lesions are seen in the placenta.

One section of small intestine is completely autolyzed.

Histological Diagnoses:

1. Mild to moderate, multifocal, suppurative to fibrinous bronchopneumonia with intralesional foreign material
2. Mild, diffuse, mixed-cellular enteritis

Comments: No evidence of coccidiosis.

Addendum 06-25-07

Slide 7-9

No significant lesions are seen in the brain.

Date completed : 6/25/2007

Test: Histo, special stains N/C

Animal ID	Specimen	Special Stain:	Number prepared:
Penny 37-515	Slide	Alcian Blue 2.5	1
Penny 37-515	Slide	Congo Red- Amyloid	2
Penny 37-515	Slide	Copper-Rhodanine	1
Penny 37-515	Slide	Iron-Prussian Blue	2

Page 2 of 4

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Test: Histo, special stains N/C

Animal ID	Specimen	Special Stain:	Number prepared:
	Slide	PASH	Penny 37-515 1
Penny 37-515	Slide	Reticulin (Gordon&Sweets)	1
Penny 37-515	Slide	Trichrome-Masson's	3
Penny 37-515	Slide	Verhoeff's (elastin)	1

Date Completed: 6/18/2007

Test: Necropsy,Eq/Camelid, <300 lbs

Date necropsy completed: 06/17/07
Number of animals: 1
Animal ID: Penny 37-515, Camelid

Necropsy Results:

An adult female alpaca in moderate body and postmortem condition is necropsied. Adipose stores are scarce but present and internal organs are mildly to moderately autolyzed. There is very little free fluid in the abdominal cavity. The dark brown liver is flat and small. The stomach is full and fecal pellets are covered with small amounts of mucus. Short segments of the small intestine are dark red and dilated with red-brown fluid, other segments are empty and contracted (corrugated). Both lungs are heavy, wet and poorly collapsed with slightly increased crepitation. The trachea contains foamy fluid over its entire length. The left ventricular myocardium is mottled. There is a big fresh coagulum along the right jugular vein. The right uterine horn is gravid with a male fetus (48 cm, 2.75 kg; placenta 1.25 kg).

Gross Diagnoses:

1. Mild dehydration
2. Severe pulmonary edema and congestion

Bacteriology

Date completed: 6/22/2007

Test: Culture Results

Animal ID: Penny 37-515 Specimen: Small intestine

<u>Isolate</u>	<u>Growth</u>
No significant Aerobic bacteria	No Salmonella recovered

Report by: Robyn Weiss

Date completed: 6/22/2007

Test: Anaerobic Culture

Animal ID	Specimen	Isolate	Growth
Penny 37-515	Small intestine	Clostridium spp	<1+

Comment:

Penny 37-515: Results not significant due to age of animal per Dr. Lohr.

Report by: Robyn Weiss

Date completed: 6/19/2007

Test: Fecal: Sugar Centrifugation Technique

Animal ID	Result	#/gram
Penny 37-515	No parasite ova found	

Report by: Janell Bishop-Stewart

owner: Monie \37-515

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End of Report

Test reliability/function is checked on each run date. Accuracy and/or reproducibility are proven by proficiency testing of known samples (if available). Validation of this test according to the AAVLD/OIE standards is currently in progress. An "*" after the test name indicates the documentation of test validation is complete.