

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	15043772	M90110	Canis lupus bailey/Mexican wolf	Female	10/Apr/2005

24/Jan/2017

Necropsy Detail

Submission

Death Date	24/Jan/2017 00:00	Carcass Weight	
Date Submitted	24/Jan/2017	Measurement	63.5 pound
Date Discovered	24/Jan/2017	Estimate	No
Submitted By	Mark T. Chase	Exclude from reference intervals	No
Manner of Death	Natural/Non-euthanasia	Death Location	
		Location Type	Enclosure
		Enclosure	WWE03

Recent History/Observations Note
 Died under anesthesia during spay/health exam
 0.1 00-0668-30F4
 MTC

Special Request
 See USFW necropsy protocol.

Case Info

Pathology Case Number	2017-00008	Death Numbers		
Parties to get copy of final report	Albert H. Lewandowski, DVM	Death Number	Effective Date	Entered By
Responsible Pathologist	Albert H. Lewandowski, DVM	2017-00008	24/Jan/2017	Sharon A. Yahnert, RVT
Responsible Resident	~			

Workflow Notes and Additional Case Comments
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Gross Necropsy

Necropsy Info			
Necropsy Date	24/Jan/2017	Necropsy Prosector	Albert H. Lewandowski, DVM
Carcass Condition Code	Fresh	Additional Staff	~
My Institution	ZOOLOGICAL MEDICINE		
Reference Number	~		

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
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Report

Report Written Date 26/Jan/2017

Necropsy Report/Description

Body Condition Score: (1-9) Cachexia - Morbidly Obese
6/9 Ample body fat in mesentery, surrounding kidneys, and within the abdominal cavity.

Integumentary: []NGA []NE

Animal had been shaved and prepped for an OHE and IV catheter for scheduled surgery. A fresh 18-20 cm. surgical incision had been made along the ventral midline. The wound was closed with PDS 3-0 in a continuous running pattern. The animal's haircoat was otherwise full and lush.

Musculoskeletal: []NGA []NE

The animal was in full rigor mortis, about one hour post mortem at room temperature (68F)

Respiratory: []NGA []NE

The lungs showed patchy areas of consolidation bilateral. Palpation of the lung parenchyma revealed multiple small (1/2-1 cm) areas of firm nodules of mineralization scattered throughout both lungs.

Cardiovascular: []NGA []NE

The heart showed ample fat at the base and along the coronary groove. The great vessels showed no gross evidence of deterioration or mineralization. Transverse serial sections from the apex toward the base revealed a transmural, whitish area in the left ventricle, 1/2 cm diameter, about 3 cm from the apex, suggestive of a myocardial infarct. The right and left AV valves, as well as the aortic and pulmonic valves were examined and showed no gross evidence of abnormality.

Digestive, Liver: []NGA []NE

The GI tract was devoid of ingesta and digesta, as the animal had been fasted overnight for surgery. Serosa and mucosa appeared normal, showing no significant areas of inflammation. No intestinal parasites were grossly obvious. The liver was a rich mahogany color, but appeared friable. The gall bladder was filled, but the duct was patent and emptied readily with slight pressure.

Reproductive: []NGA []NE

The animal had been spayed. The ligatures were intact and appropriate for the type of surgery performed.

Urinary Bladder, Kidneys:[]NGA []NE

The bladder contained a small quantity of urine that expressed readily. The kidneys appeared normal in size and coloration, though covered with perirenal fat. Both were sectioned and showed no abnormal fibrosis or discoloration.

Hemic/Lymphatic, Spleen: []NGA []NEd

No enlarged lymph nodes were noted. the Spleen was congested, but otherwise appeared normal.

Endocrine, Adrenals, Thyroids: []NGA []NE

The adrenal glands appeared grossly normal , but were obscured by extensive perirenal fat. Both thyroids were removed.

Neurologic: []NGA [x]NE []Brain removed

The USFW necropsy protocol precludes examination of the brain, since the skull is to remain intact.

Sense Organs, Eyes, Ears, Nose: []NGA []NE

Nasal swabs taken per protocol for Nasal Tumor study. No evidence of abnormal nasal configuration.

Tissues preserved in formalin [x] No tissues saved []

Carcass Disposition: [] Incinerate []Buried [x]Other (Specify)

Carcass to be returned to USFW

Prosector/Date:

AHL 24Jan2017

Gross / Preliminary Diagnosis

Diagnoses

Diagnosis	Standardized Diagnosis
Heart, Infarct, myocardial	Heart, Infarct, Myocardial
lung, mineralization, metastatic	Lung, Mineralization, Metastatic

Initial Necropsy Comments & Interpretation

The animal went into cardiac arrest under anesthesia while being endoscoped for potential IBD. AHL 26Jan2017

Samples & Tests

Samples

Sample Type/Anatomical Source	Preservative
~	~

Measurements

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
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Organ Weights & Lengths

Measurement Date/Time	Type	Measurement Item	Measurement Value	Measured By
~	~	~	~	~

Histopathology

Tissue Processing Tissue Trim Date ~ Trimmed By ~ Tissue Processing Submission Date ~ Tissue Processed Completion Date ~ My Institution ~		Histopathology Info Histopathology Report Date ~ Histopathology Report By ~ Responsible Pathologist Albert H. Lewandowski, DVM	
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Histopathology Report
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Histopathology Diagnosis	
Diagnosis	Standardized Diagnosis
~	~

Finalize

Finalization Date ~	Significant contributors to death <table border="1"> <thead> <tr> <th>Diagnosis</th> <th>Standardized Diagnosis</th> </tr> </thead> <tbody> <tr> <td>~</td> <td>~</td> </tr> </tbody> </table>	Diagnosis	Standardized Diagnosis	~	~
Diagnosis		Standardized Diagnosis			
~	~				
Relevant Death Info ~					
Primary Body System Affected					
Responsible Pathologist Albert H. Lewandowski, DVM					
Responsible Resident ~					

Final Summary

Necropsy Case Info for Husbandry Staff (R1 Note)

Addendum

Date	Note	Reported By
~	~	~

Audit Trail

19/Apr/2016

Physiological measurement

Measurement List				
	Date/Time	Measurement	Value	UOM
🗑	19/Apr/2016 12:30	Body temperature	101.8	degree fahrenheit
🗑	19/Apr/2016 12:30	Heart rate	88	beats per minute
🗑	19/Apr/2016 12:30	Respiratory rate	8	breaths per minute
🗑	19/Apr/2016 12:45	Body temperature	101.3	degree fahrenheit
🗑	19/Apr/2016 12:45	Heart rate	80	beats per minute
🗑	19/Apr/2016 12:45	Respiratory rate	8	breaths per minute
🗑	19/Apr/2016 12:45	Oxygen saturation	98	percent
🗑	19/Apr/2016 12:45	Systolic indirect blood pressure	147	millimeter of mercury
🗑	19/Apr/2016 12:45	Diastolic indirect blood pressure	96	millimeter of mercury
🗑	19/Apr/2016 12:45	Mean indirect blood pressure	113	millimeter of mercury
🗑	19/Apr/2016 12:45	End tidal carbon dioxide	42	millimeter of mercury

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date
Individual	15043772	M90110	Canis lupus baileyi/Mexican wolf	Female	10/Apr/2005

08/Jan/2009

Physiological measurement

Measurement List

	Date/Time	Measurement	Value	UOM
🗑	08/Jan/2009 11:14	Body temperature	103.3	degree fahrenheit
🗑	08/Jan/2009 11:14	Heart rate	46	beats per minute
🗑	08/Jan/2009 11:20	Heart rate	40	beats per minute
🗑	08/Jan/2009 11:20	Respiratory rate	4	breaths per minute