

2017.022

SPECIMEN DATA

SB # 741

Collector's Info.

Dr. Victoria Milne

El Paso Zoo

4001 East Paisano Drive

El Paso, TX 79905

MilneVE@elpasotexas.gov

Ph. #: (915) 212-2853

Death Location

El Paso Zoo

4001 East Paisano Drive

El Paso, TX 79905

Necropsy Detail

Animal Type	GAN	Preferred ID	Taxonomy	Sex	Birth Date	Age
Individual	MIG12-29960606	200598	Canis lupus baileyi/Mexican wolf	Female	May 09, 2002	14Y 9M 21D

Submission

Death Date	--> Mar 01, 2017 18:00	Carcass Weight	
Date Submitted	Mar 02, 2017	Measurement	29 kilogram
Date Discovered	Mar 02, 2017	Estimate	No
Submitted By	Tony Zydneyk	Exclude from reference intervals	No
Manner of Death	Natural/Non-euthanasia	Death Location	

Recent History/Observations Note

Geriatric wolf with no current problems, died unexpectedly overnight. History of OHE for pyometra several years ago. On carprofen daily for arthritis.

Special Request

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Case Info

Pathology Case Number	~	Death Numbers		
Parties to get copy of final report	~	Death Number	Effective Date	Entered By
Responsible Pathologist	~	~	~	~
Responsible Resident	~			

Workflow Notes and Additional Case Comments

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Gross Necropsy

Necropsy Info

Necropsy Date	Mar 02, 2017	Necropsy Prosector	Victoria Milne
Carcass Condition Code	Slightly Autolysed	Additional Staff	Misty M Garcia, Carolyn Martinez
My Institution	Necropsy Room		
Reference Number	~		

Report

Report Written Date Mar 02, 2017

Necropsy Report/Description

Necropsy somewhat cosmetic to preserve for museum specimen - did not cut through ribs or get full pluck from thoracic inlet area, did not remove brain. Wolf is in good body condition with good adipose stores, and fair post-mortem condition. Abdomen very bloated. No external lesions. Post mortem thoracic and abdominal radiographs show generalized gas dilatation of stomach and intestines, normal thoracic cavity, repaired humeral fracture (historic), multifocal spondylosis, no other lesions. Dentition: photographed - several incisors missing or broken, left lower canine approx 1/3 crown broken off, left upper incisor distal surface enamel wear. Thoracic cavity, thyroids, parathyroids, trachea, esophagus, heart all no gross lesions (NGL). Lungs: Multifocal superficial rough raised foci, firm flexible like fibrous or cartilaginous foci. Abd Cavity: moderate amount of free hemorrhagic fluid with some clotted areas. Stomach: very distended, normal position/not torsed, some pockets of emphysema in mucosal wall, some areas stretched very thin, no apparent pre-mortem tears, congestion, or necrosis. Ingesta present. Intestines and cecum: Moderate gas distension multiple regions. No apparent pre-mortem torsion or obstruction. Mesenteric lymph nodes not enlarged. Kidneys, adrenals: NGL. Bladder: A few foci to patches of mucosal erythema. Spleen: Very congested and there is 3cm tear at the cranial end of the mesenteric attachment with a clot attached. Liver: There are several pale round to target shaped non-raised foci on surface and extending into parenchyma (suspect parasitic scars). There is dark mottling towards margins all lobes (presumed post-mortem change). Normal gall bladder. Repro: previous OHE.

NOTE on sample sets:
 One full tissue set in formalin for NWZP histopath
 One full set in formalin for SSP banking.
 Frozen tissues (spleen, kidney, lung, heart) in cryovials per SSP request.
 Frozen tissues for EPZ bank: spleen, kidney, liver, lung, heart.

Gross / Preliminary Diagnosis

Diagnoses

Diagnosis	Standardized Diagnosis
spleen, congestion	Congestion, Spleen
hemorrhage, abdomen	Abdomen, Hemorrhage, Mild to moderate
spleen, laceration, suspected	Suspected, Spleen, Laceration
spondylosis, multifocal, moderate	Spondylosis, Multifocal, Moderate
liver, scar, multifocal	Liver, Scar, Multifocal, Suspected
urinary bladder, cystitis, mild, multifocal	Urinary bladder, Mild, Multifocal, Cystitis

Initial Necropsy Comments & Interpretation

Significant bloating of stomach appears to be post-mortem change, although premortem bloat not ruled out. SPleen is very congested and appears to have a rent with clot, and mild to moderate hemorrhage in abdomen which did not appear to be severe enough to be fatal but may have contributed to death if otherwise compromised. Other changes appear age related or incidental.

Samples & Tests

Samples

Sample Type/Anatomical Source	Preservative										
Tissue/Skin	Formalin, 10% buffered										
<table border="1"> <thead> <tr> <th>Laboratory</th> <th>Test Name</th> <th>Result</th> <th>Evaluation</th> <th>Status</th> </tr> </thead> <tbody> <tr> <td>~</td> <td>~</td> <td>~</td> <td>~</td> <td>~</td> </tr> </tbody> </table>	Laboratory	Test Name	Result	Evaluation	Status	~	~	~	~	~	
Laboratory	Test Name	Result	Evaluation	Status							
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Tissue/Bone marrow	Formalin										
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Laboratory	Test Name	Result	Evaluation	Status							
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Tissue/Pancreas	Formalin, 10% buffered										
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Laboratory	Test Name	Result	Evaluation	Status							
~	~	~	~	~							
Tissue/Liver	Formalin, 10% buffered										
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Laboratory	Test Name	Result	Evaluation	Status							
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Tissue/Duodenum	Formalin, 10% buffered										
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Tissue/Bladder	Formalin, 10% buffered										
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Tissue/Lung	Other										
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Tissue/Jejunum	Formalin										
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Tissue/Spleen	Other										
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Laboratory	Test Name	Result	Evaluation	Status							
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Tissue/Heart	~										
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Laboratory	Test Name	Result	Evaluation	Status							
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Tissue/Lung		Formalin			
Laboratory	Test Name	Result	Evaluation	Status	
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Tissue/Jejunum		Formalin, 10% buffered			
Laboratory	Test Name	Result	Evaluation	Status	
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Tissue/Kidney		Formalin			
Laboratory	Test Name	Result	Evaluation	Status	
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Tissue/Kidney		Formalin, 10% buffered			
Laboratory	Test Name	Result	Evaluation	Status	
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Tissue/Trachea		Formalin			
Laboratory	Test Name	Result	Evaluation	Status	
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Tissue/Spleen		Formalin			
Laboratory	Test Name	Result	Evaluation	Status	
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Tissue/INTESTINE (LARGE)		Formalin			
Laboratory	Test Name	Result	Evaluation	Status	
~	~	~	~	~	
Tissue/STOMACH		Formalin, 10% buffered			
Laboratory	Test Name	Result	Evaluation	Status	
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Tissue/Skin		Formalin			
Laboratory	Test Name	Result	Evaluation	Status	
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Tissue/Liver		Formalin			
Laboratory	Test Name	Result	Evaluation	Status	
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Tissue/Pancreas		Formalin			
Laboratory	Test Name	Result	Evaluation	Status	
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Tissue/LYMPH NODES (MESENTERIC)		Formalin, 10% buffered			
Laboratory	Test Name	Result	Evaluation	Status	
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Tissue/SKELETAL MUSCLE		Formalin			
Laboratory	Test Name	Result	Evaluation	Status	
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Tissue/INTESTINE (LARGE)		Formalin, 10% buffered			
Laboratory	Test Name	Result	Evaluation	Status	
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Tissue/Cecum		Formalin, 10% buffered			
Laboratory	Test Name	Result	Evaluation	Status	
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Tissue/Lung		Formalin, 10% buffered			
Laboratory	Test Name	Result	Evaluation	Status	
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Tissue/Kidney		Other			
Laboratory	Test Name	Result	Evaluation	Status	
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Tissue/Heart		Formalin			
Laboratory	Test Name	Result	Evaluation	Status	
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Tissue/Heart		Other			
Laboratory	Test Name	Result	Evaluation	Status	
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Tissue/Bone marrow		Formalin, 10% buffered			
Laboratory	Test Name	Result	Evaluation	Status	
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Tissue/Thyroid Gland		Formalin			
Laboratory	Test Name	Result	Evaluation	Status	
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Tissue/Heart		Formalin, 10% buffered			
Laboratory	Test Name	Result	Evaluation	Status	
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Tissue/Duodenum		Formalin			
Laboratory	Test Name	Result	Evaluation	Status	
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Tissue/ADRENAL		Formalin			
Laboratory	Test Name	Result	Evaluation	Status	
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Tissue/SKELETAL MUSCLE		Formalin, 10% buffered			
Laboratory	Test Name	Result	Evaluation	Status	
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Tissue/STOMACH		Formalin			
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Tissue/ADRENAL		Formalin, 10% buffered			
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Tissue/Spleen		Formalin, 10% buffered			
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Tissue/Thyroid Gland		Formalin, 10% buffered			
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Tissue/Trachea		Formalin, 10% buffered			
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Tissue/KIDNEYS		~			
Laboratory	Test Name	Result	Evaluation	Status	
~	~	~	~	~	
Tissue/Lung		~			
Laboratory	Test Name	Result	Evaluation	Status	
~	~	~	~	~	

Measurements

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	~

Histopathology Report
~

Histopathology Diagnosis	
Diagnosis	Standardized Diagnosis
~	~

Finalize

Finalization Date	~
Relevant Death Info	~
Primary Body System Affected	~
Responsible Pathologist	~
Responsible Resident	~

Significant contributors to death	
Diagnosis	Standardized Diagnosis

Final Summary

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Necropsy Case Info for Husbandry Staff (R1 Note)

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Addendum

Date	Note	Reported By
~	~	~

Audit Trail

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