

Clinical Notes - Individual Specimen Report
LOS ANGELES ZOO

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=====
LOXODONTA AFRICANA (no subsp)           Sex: Female           Acc. #: 002551
African elephant                         Age: 45Y Est.        Birth: 18.Feb.1961
Name: RUBY
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.....2005...

18.Aug.2005

Rx: VITAMIN E TPSG 30000 mg PO SID for 21 days. (JW)

8.Sep.2005

Rx: VITAMIN E TPSG 5000.0 mg PO SID until further notice. (JW)

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Scientific Name: LOXODONTA AFRICANA (no subsp)           Accession #: 002551
Common Name: African elephant                             Female
Name: RUBY                                               Birth: 18.Feb.1961 (Estimated)
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.....2005...

4.Feb.2005

BILATERAL AURAL D/C

Kpr (Vickie) called yesterday afternoon to report that Ruby has some discharge coming from her ears. No head shaking, head tilt, incoordination, etc. noted. Attitude and appetite normal. Per kprs she has had something similar several years ago that resolved without problems.

Obs:

Moderate amount of thick, foamy, translucent/slightly opaque discharge from external ear canals bilaterally. No obvious yellow or green tinge. Ear canals look slightly more red than normal.

Proc:

1. Swabs of discharge from left ear taken for cytology, gram stain and C&S.

Assess:

Suspect mild otitis externa or irritation. Labwork pending, but does not seem serious, has occurred before, and should resolve without treatment.

Plan:

1. Have kprs use gauze with dilute nolvasan to clean external opening of ears daily.
2. Recheck next week. (RB)

6.Feb.2005

CYTOLOGY, GRAM STAIN RESULTS

Gram stain: 100 bact/1000X field- 50% gr pos cocc, 50% gr neg rods.

Cytology: Possible bacterial otitis externa - large numbers of elongated filamentous bacteria present, but only rare degenerated neutrophils.

Assess:

Suspect otitis externa. Significant inflammatory infiltrate not always present with infection. C&S pending. (RB)

9.Feb.2005

C&S RESULTS

C&S: light growth of *pasteurella* sp and coag neg staph sensitive to all Abx tested. Light growth of *acinetobacter* sp with fair resistance to Abx tested (resistant to all pen/cephs, furandantin, polymyxin and tetracycline).

Kprs report no real change in animal. They are still cleaning external orifices with dilute nolvasan daily. (RB)

15.Feb.2005

RECHECK EARS

Mild crusty discharge present AU. Canals are relatively clean and dry with no odor. Keepers report this is markedly improved. They've been cleaning daily, but only able to clean externally. (JW)

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Common Name: African elephant Female
Name: RUBY Birth: 18.Feb.1961 (Estimated)
=====

8.Mar.2005

Rx: WEST NILE VIRUS VACCINE (KILLED) 2 ml IM once for 1 day.
Colicky episode reported yesterday. she seemed a little bloated and
spent some time laying down. Fed additional beet pulp. Much improved
today. They will continue the increased beet pulp for another day.
(JW)

29.Mar.2005

Rx: WEST NILE VIRUS VACCINE (KILLED) 2 ml IM once for 1 day. (JW)

Medical History Report - Summary for Individual Specimen
LOS ANGELES ZOO

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=====
LOXODONTA AFRICANA (no subsp)           Sex: Female           Acc. #: 002551
African elephant                         Age: 44Y Est.        Birth: 18.Feb.1961
Name: RUBY
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.....2005....

22.Jun Blood sample: (EDTA) (11:50.0) Hematology/Chemistry/Serology results.
WBC:6.80 *10³/UL; HCT: 37.0%; BUN:8 MG/DL;

27.Jun Clinical note recorded. (JW)

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Clinical Pathology Records - Specimen Report
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African elephant                  Age: 44Y Est.       Birth: 18.Feb.1961
Name: RUBY
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Collection Information >>

Health Status: Normal
 Fasting Time: < 8 hours
 Activity: Calm
 Weight: 3907 Kg on 9.Jun.2004
 Manual restraint used.

Date of Collection: **22.Jun.2005**
 Time of Collection: 11:50.0
 Collected by: JW
 Sample Collection Site: EAR VEIN

Hematology >>**Analysis Information >>**

Anticoagulant: EDTA
 Storage: Refrigerated (<48 hours)
 Sample Quality: No quality problems.

Laboratory: **ANT-EQUINE**
 Date of Analysis: **23.Jun.2005**
 Time of Analysis:
 Analysis by:
 Automated analysis.

Tests and Results >>

WHITE BLOOD CELL COUNT	<	6.8		*10 ³ /UL
RED BLOOD CELL COUNT		2.9		*10 ⁶ /UL
HEMOGLOBIN		13.2		GM/DL
HEMATOCRIT		37		%
MCV		128		fL
MCH		45.5		ug
MCHC		35.7		gm/dL
SEGMENTED NEUTROPHILS		37	(2.516)	% (*10 ³ /UL)
LYMPHOCYTES		60	(4.080)	% (*10 ³ /UL)
MONOCYTES		3	(0.204)	% (*10 ³ /UL)
ESTIMATED PLATELET COUNT		INCR.		
PLATELET COUNT	>	816		*10 ³ /UL
FIBRINOGEN		156		MG/DL

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Collection Information >>

Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 3907 Kg on 9.Jun.2004
Manual restraint used.

Date of Collection: 22.Jun.2005
Time of Collection: 11:50.0
Collected by: JW
Sample Collection Site: EAR VEIN

Chemistry >>**Analysis Information >>**

Chemistry Sample: Serum
Storage: Refrigerated (<48 hours)
Sample Quality: No quality problems.

Laboratory: ANT-EQUINE
Date of Analysis: 23.Jun.2005
Time of Analysis:
Analysis by:
Automated analysis.

Tests and Results >>

	GLUCOSE	93	MG/DL
	BLOOD UREA NITROGEN	8	MG/DL
	CREATININE	1.3	MG/DL
	BUN/creatinine ratio	6.15	
	CALCIUM	10.9	MG/DL
	PHOSPHORUS	5.2	MG/DL
	calcium/phosphorus ratio	2.10	
	SODIUM	129	MEQ/L
	POTASSIUM	> 5.4	MEQ/L
	sodium/potassium ratio	23.9	
	CHLORIDE	90	MEQ/L
	CHOLESTEROL	71	MG/DL
	TOTAL PROTEIN (COLORIMETRY)	8.3	GM/DL
	ALBUMIN (COLORIMETRY)	< 2.9	GM/DL
	GLOBULIN (COLORIMETRY)	>> 5.4	GM/DL
	albumin/globulin ratio	0.537	
	ASPARTATE AMINOTRANSFERASE	< 11	IU/L
	TOTAL BILIRUBIN	0.1	MG/DL
	ALKALINE PHOSPHATASE	< 63	IU/L
	LACTATE DEHYDROGENASE	< 289	IU/L
	CREATINE PHOSPHOKINASE	250	IU/L
	ALBUMIN GLOBULIN RATIO	0.5	GM/DL
	BUN/CREATININE RATIO	6	MG/DL
	GAMMA GLUTAMYLTRANSFERASE	7	IU/L
	SODIUM/POTASSIUM RATIO	24	RATIO

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African elephant	Age: 44Y Est.	Birth: 18.Feb.1961
Name: RUBY		

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Clinical Note: **27.Jun.2005**

O: Bloodwork collected for routine health screening all WNL. Plasma was also collected & submitted as an untreated control for Gita's drug blood levels. (JW)
