

Medical History Report - Summary for Individual Specimen
NORTH CAROLINA ZOOLOGICAL PARK

Scientific Name: LOXODONTA AFRICANA (no subsp)	Accession #: 1367
Common Name: African elephant	Female
Name: LITTLE 'D'	Birth: 2.Mar.1978

.....2006....

- 2.Mar Blood sample: (EDTA) (7:10.0) Hematology/Chemistry/Serology results.
WBC:7.48 *10³/UL; HCT: 35.0%; BUN:8 MG/DL;
- 7.Mar Parasitology examination: (ROUTINE EXAMINATION) Fecal sample.
NEGATIVE
- 8.Mar Observation: The swelling on Diamond's right knee is resolved and the keepers have discontinued hydrotherapy.
No further actions needed unless the problem recurs. (RSD)
- 9.Mar Blood sample: (9:10.0) Chemistry results.
- 16.Mar Blood sample: (9:51.0) Chemistry results.
- 24.Mar Observation:
Performed transrectal ultrasound of lower reproductive tract through stationing via positive reinforcement. No abnormalities were detected in the urethra, vagina, cervix or the portion of the urinary bladder that was visible. Unable to perform examination of uterus due to feces within the rectum. The elephant tolerated the procedure without any objection.
The swelling on Diamond's knee seems to have returned, though to a lesser degree than previously noted. Still there is no lameness associated with it.
Keepers to reinstitute hydrotherapy until the lesion resolves.
(RSD)
- 27.Mar E/R Rabies Titers: (draw date 2/16/06)
- | | |
|------|--------|
| 27 | 1:180 |
| 1367 | 1:800 |
| 1611 | 1:60 |
| 60 | 1:1200 |
| 941 | 1:2700 |
- per Kansas State Univ Vet Ctr, Manhattan KS, received 3/3, report 3/10.
Diamond is 1367 and has a titer of 1:800. This titer is probably protective, though there is no way to say definitively. We will elect to maintain an every 3 years booster schedule with the elephants in light of these titers. (CUL)
- 28.Mar Observation: The lesion on Diamond's right knee seems to have resolved. Keepers will discontinue hydrotherapy and continue to monitor. (RSD)
- 29.Mar Trunk wash, collected 2/11, received 2/15, Specimen #2006-001465:
No acid fast bacilli found on smear.
Contaminated.
Report Date: 3/24/06, NC Dept of Health & Human Services, State Lab of Public Health, Mycobacteriology (AFB) Final Report. (CUL)
- 5.Apr Mycobacteriology (AFB) Final Report, State Lab:
Collected 2/12/06, received 2/15/06, reported 3/30/06:

Printed on: 28.Mar.2007

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Little Diamond 1367.txt
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Specimen #2006-001466: No acid fast bacilli found on smear.
No Growth of Mycobacteria (CUL)

6.Apr Blood sample: (EDTA) (9:00.0) Hematology/Chemistry/Serology results.
WBC:6.12 *10³/UL; HCT: 40.0%; BUN:9 MG/DL;

10.Apr Mycobacteriology (AFB) Final Report, State Lab:
Collected 2/13/06, received 2/15/06, reported 3/30/06:
Specimen #2006-001467: No acid fast bacilli found on smear.
No Growth of Mycobacteria (CUL)

20.Apr Blood sample: (9:00.0) Chemistry results.

26.Apr Parasitology examination: (ROUTINE EXAMINATION) Fecal sample.
NO PARASITES SEEN

4.May Blood sample: (EDTA) (9:00.0) Hematology/Chemistry/Serology results.
WBC:5.78 *10³/UL; HCT: 40.0%; BUN:8 MG/DL;
Observation:
CBC and chemistry from blood collected by keepers is considered WNL.
(RSD)

11.May Blood sample: Chemistry results.
Hemolysis

14.May Vitamin E serum (Mich State University):
Elephant 27: 0.24 ug/mL
Elephant 1367: 1.19 ug/mL
Elephant 1611: 0.56 ug/mL
We've measured serum vitamin E in several hundred elephants of
unknown nutritional background. The median concentration is about 1
ug/mL with a range from the 25th to 75th percentile of 0.75 to 1.3
ug/mL. (CUL)

25.May Blood sample: Chemistry results.

1.Jun Blood sample: (EDTA) (9:35.0) Hematology results.
WBC:7.15 *10³/UL; HCT: 37.0%;

9.Jun Blood sample: (9:00.0) Chemistry results.

15.Jun Blood sample: (8:45.0) Chemistry results.

21.Jun Blood sample: (8:45.0) Chemistry results.

28.Jun Blood sample: (8:35.0) Chemistry results.

5.Jul Parasitology examination: (ROUTINE EXAMINATION) Fecal sample.
NO PARASITES SEEN

6.Jul Blood sample: (EDTA) (8:45.0) Hematology/Chemistry/Serology results.
WBC:8.25 *10³/UL; HCT: 41.0%; BUN:8 MG/DL;

12.Jul Blood sample: (8:50.0) Chemistry results.
Hemolysis

20.Jul Blood sample: (8:30.0) Chemistry results.
Hemolysis

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- 27.Jul Blood sample: (8:30.0) Chemistry results.
- 3.Aug Blood sample: (EDTA) (9:20.0) Hematology/Chemistry/Serology results.
 WBC:7.40 *10³/UL; HCT: 35.0%; BUN:8 MG/DL;
- 9.Aug Parasitology examination: (ROUTINE EXAMINATION) Fecal sample.
 NO PARASITES SEEN
- 10.Aug Blood sample: (9:30.0) Chemistry results.
 Hemolysis
- 17.Aug Blood sample: Hematology/Chemistry/Serology results.
- 31.Aug Blood sample: (9:00.0) Chemistry results.
- 7.Sep Blood sample: (EDTA) (8:50.0) Hematology/Chemistry/Serology results.
 WBC:6.90 *10³/UL; HCT: 34.5%; BUN:12 MG/DL;
- 14.Sep Blood sample: (8:50.0) Chemistry results.
- 28.Sep Blood sample: Chemistry results.
- 5.Oct Blood sample: (EDTA) (8:45.0) Hematology/Chemistry/Serology results.
 WBC:6.49 *10³/UL; HCT: 38.0%; BUN:12 MG/DL;
- 1.Nov Parasitology examination: (ROUTINE EXAMINATION) Fecal sample.
 NO PARASITES SEEN
- 2.Nov Blood sample: (EDTA) (8:50.0) Hematology/Chemistry/Serology results.
 WBC:8.58 *10³/UL; HCT: 38.0%; BUN:8 MG/DL;
- 7.Dec Blood sample: (10:30.0) Hematology/Chemistry/Serology results.
 WBC:8.91 *10³/UL; HCT: 40.0%; BUN:6 MG/DL;

.....2007...

- 4.Jan Blood sample: (EDTA) (9:22.0) Hematology/Chemistry/Serology results.
 WBC:9.35 *10³/UL; HCT: 42.0%; BUN:14 MG/DL;
- 5.Jan Parasitology examination: (ROUTINE EXAMINATION) Fecal sample.
 NO PARASITES SEEN
- 9.Feb Blood sample: (EDTA) (9:17.0) Hematology/Chemistry/Serology results.
 WBC:9.70 *10³/UL; HCT: 37.0%; BUN:12 MG/DL;
- 13.Feb Proc: visual exam of cracks in the skin overlying the rump that the keepers observed within the last week. The animal has tolerated cleaning with a brush but they do not appear to be resolving and she appears agitated by them (flicking tail).
 1. There are 2 deep fissures visible near the tail base on the right side and 3 fissures along the right. The middle lesion on the right has a somewhat circular appearance. Pink tissue is observed within the cracks.

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A: fissures of unknown origin. The skin appears dry which could explain the cracking but at this point it is not possible to rule out any other source of trauma such as tusk injury. The cracks appear deep but it is not possible to assess the extent without a hands on evaluation.

P: Recommended Dr. DeVoe evaluate the wounds tomorrow and flush the sites with dilute Novalsan. If she will allow exploration with hemostats or a the tip of a curved-tip syringe this may allow better assessment of the extent of the injury. Gave keepers tube of A & D ointment and asked them to apply a layer to the sites. May need to modify treatment based on suspected etiology. (KNW)

14.Feb Observation: Multiple cracks in skin on rump of this elephant were rechecked. Appear to be due to dry skin and possibly trauma from scratching. Advised keepers to keep the area clean via hydrotherapy and apply vaseline, Vitamin A & D ointment or bag balm to dry and cracked areas. Keepers will begin treatment with oil to avoid further problems. (RSD)

1.Mar Blood sample: (EDTA) (10:15.0) Hematology/Chemistry/Serology results.
WBC:4.76 *10³/UL; HCT: 38.0%; BUN:8 MG/DL;

6.Mar Parasitology examination: (ROUTINE EXAMINATION) Fecal sample.
NO PARASITES SEEN

13.Mar Purpose/Problem: Prophylatic vaccine
Vaccination: TETANUS TOXOID 1ml IM SID

Dispensing Note: Dispense one dose. Each dose: 1 ml.
RX: TETANUS TOXOID 1 ml IM SID for 1 day. (174B) (RX)