

CLEVELAND ZOO
MEDICAL RECORDS
"JO"

10 pages follow

Medical History Report - Summary for Individual Specimen
CLEVELAND METROPARKS ZOO

```

=====
Scientific Name: LOXODONTA AFRICANA (no subsp)           Accession #: 970601
Common Name: African elephant                           Female
Name: JO                                                Birth: 10.Jun.1967 (Estimated)
=====

```

.....2000....

- 8.Jan Parasitology examination: (ROUTINE EXAMINATION) Fecal sample.
NO PARASITES SEEN
- 13.Jan Parasitology examination: (ROUTINE EXAMINATION) Fecal sample.
Parasitology examination: (ROUTINE EXAMINATION) Fecal sample.
Parasitology examination: (ROUTINE EXAMINATION) Fecal sample.
NO PARASITES SEEN
NO PARASITES SEEN
NO PARASITES SEEN
- 27.Feb PROBLEM: Labwork - Hematology
Blood sample: (EDTA) (10:06.0) Hematology results.
WBC:12.70 *10³/UL; HCT: 38.0%;
Blood sample collected: EDTA and serum (CMZ)
- 28.Feb Labwork Results: From Draw on 27 Feb 2000: CBC reviewed and WNL,
except for mildly elevated TP values-may be a refractometer
error-other results have been high lately. (CJB) (CMZ)
- 11.Mar PROBLEM: Labwork - Chemistry
Labwork - Hematology
Blood sample: (EDTA) (10:30.0) Hematology/Chemistry/Serology results.
WBC:15.90 *10³/UL; HCT: 38.0%; BUN:11 MG/DL;
Blood sample collected: EDTA and serum (CMZ)
- 1.Apr PROBLEM: Labwork - Chemistry (onset)
Labwork - Hematology (onset)
Blood sample: (EDTA) (13:30.0) Hematology/Chemistry/Serology results.
WBC:126.00 *10³/UL; HCT: 38.0%; BUN:7 MG/DL;
Blood sample collected: EDTA and serum (CMZ)
- 2.Apr PROBLEM: Labwork - Chemistry (resolved)
Labwork - Hematology (resolved)
- 4.May PROBLEM: Labwork - Chemistry
Labwork - Hematology
Blood sample: (EDTA) (10:10.0) Hematology/Chemistry/Serology results.
WBC:14.60 *10³/UL; HCT: 40.0%; BUN:12 MG/DL;
Blood sample collected: EDTA and serum (CMZ)
- 1.Jun PROBLEM: Labwork - Chemistry (onset)
Blood sample: (13:00.0) Chemistry results.
BUN:7 MG/DL;
Blood sample collected: EDTA and serum (CMZ)
- 2.Jun PROBLEM: Labwork - Chemistry (resolved)
- 11.Jun PROBLEM: Labwork - Microbiology (onset)
Labwork Results: Trunk Wash sent to National Veterinary Services

Medical History Report - Summary for Individual Specimen
CLEVELAND METROPARKS ZOO

- page 2 -

=====
Scientific Name: *LOXODONTA AFRICANA* (no subsp) Accession #: 970601
Common Name: African elephant Female
Name: JO Birth: 10.Jun.1967 (Estimated)
=====

.....2000....

- 11.Jun Laboratory, Ames, Iowa. Bacterial Isolation - Diagnosis: No
Isolation Made. Approved By: Janet Payeur. (Frozen sample) (CMZ)
- 13.Jun PROBLEM: Labwork Results - Microbiology (onset)
Labwork Results: Trunk Wash sent to National Veterinary Services
Laboratory, Ames, Iowa. Bacterial Isolation - Diagnosis: No
Isolation Made. Approved By: Janet Payeur. (CMZ)
- 15.Jun PROBLEM: Lab Work - Microbiology (onset)
Labwork Results: Trunk Wash sent to National Veterinary Services
Laboratory, Ames, Iowa. Bacterial Isolation - Diagnosis: No
Isolation Made. Approved By: Janet Payeur. (CMZ)
- 17.Jun PROBLEM: Labwork - Chemistry
 Labwork - Hematology
Blood sample: (EDTA) (13:05.0) Hematology/Chemistry/Serology results.
WBC:10.70 *10³/UL; HCT: 29.5%; BUN:10 MG/DL;
Blood sample collected: EDTA and serum - CBC/Chem reviewed and WNL
by ISIS reference values, except for mildly decreased HCT.
Plan: KUO. (CJB) (CMZ)
- 18.Jul PROBLEM: Labwork - Hematology (onset)
Blood sample: (EDTA) (13:25.0) Hematology/Chemistry/Serology results.
WBC:11.80 *10³/UL; HCT: 37.0%; BUN:13 MG/DL;
Blood sample collected: EDTA and serum (CMZ)
- 19.Jul PROBLEM: Labwork - Hematology (resolved)
- 20.Jul Parasitology examination: (ROUTINE EXAMINATION) Fecal sample.
NO PARASITES SEEN
- 24.Jul Labwork Results: From Draw on 18 July 2000. CBC/Chem reviewed and
are within normal limits. (CJB) (CMZ)
- 12.Aug PROBLEM: Labwork - Chemistry
 Labwork - Hematology (onset)
Blood sample: (EDTA) (10:15.0) Hematology/Chemistry/Serology results.
WBC:9.70 *10³/UL; HCT: 36.0%; BUN:7 MG/DL;
Blood sample collected: EDTA and serum (CMZ)
- 13.Aug PROBLEM: Labwork - Hematology (resolved)
- 21.Aug History: From draw on 12 Aug 2000. CBC reviewed and WNL. (CJB) (CMZ)
- 22.Aug PROBLEM: Labwork - Microbiology (resolved)
 Labwork Results - Microbiology (resolved)
 Lab Work - Microbiology (resolved)
- 24.Aug PROBLEM: Labwork - Hematology (onset)
Blood sample: (EDTA) (13:04.0) Hematology results.
WBC:10.60 *10³/UL; HCT: 34.4%;
Blood sample collected: EDTA and serum (CMZ)
- 25.Aug PROBLEM: Labwork - Hematology (resolved)
- 7.Sep PROBLEM: Labwork - Chemistry (onset)

Medical History Report - Summary for Individual Specimen
CLEVELAND METROPARKS ZOO

- page 3 -

=====
Scientific Name: *LOXODONTA AFRICANA* (no subsp) Accession #: 970601
Common Name: African elephant Female
Name: JO Birth: 10.Jun.1967 (Estimated)
=====

.....2000....

7.Sep Labwork - Hematology (onset)
Blood sample: (EDTA) (13:15.0) Hematology/Chemistry/Serology results.
WBC:10.40 *10³/UL; HCT: 34.3%; BUN:9 MG/DL;
Blood sample collected: EDTA and serum (CMZ)
9.Sep PROBLEM: Labwork - Chemistry (resolved)
Labwork - Hematology (resolved)
Labwork Results: From draw on 07 Sept 2000. CBC/Chem reviewed and
are WNL. (CJB) (CMZ)

8.Oct PROBLEM: Labwork Results - Chemistry
Labwork Results - Hematology
Blood sample: (EDTA) (13:00.0) Hematology/Chemistry/Serology results.
WBC:12.20 *10³/UL; HCT: 37.0%; BUN:9 MG/DL;
Blood sample collected: EDTA and serum (CMZ)

9.Nov PROBLEM: Labwork - Chemistry (onset)
Labwork - Hematology (onset)
Blood sample: (EDTA) (10:25.0) Hematology/Chemistry/Serology results.
WBC:9.70 *10³/UL; HCT: 33.5%; BUN:10 MG/DL;
Blood sample collected: EDTA and serum (CMZ)
13.Nov PROBLEM: Labwork - Chemistry (resolved)
Labwork - Hematology (resolved)
Labwork Results: From draw on Nov. 9, 2000. CBC/Chem reviewed and
WNL in comparison to ISIS normals. (CJB) (CMZ)
25.Nov PROBLEM: Labwork - Serology (onset)
Blood sample: (14:45.0)
Blood sample collected: EDTA and serum, Citrate (CMZ)
27.Nov PROBLEM: Labwork - Serology (resolved)

2.Dec PROBLEM: Labwork - Chemistry (onset)
Labwork - Hematology (onset)
Blood sample: (EDTA) (11:10.0) Hematology/Chemistry/Serology results.
WBC:8.80 *10³/UL; HCT: 37.0%; BUN:8 MG/DL;
Blood sample collected: EDTA and serum (CMZ)
3.Dec PROBLEM: Labwork - Chemistry (resolved)
Labwork - Hematology (resolved)
Labwork Results: From draw on dec. 2, 2000 - CBC/chem reviewed and
WNL in reference to ISIS values. (CJB) (CMZ)

.....2001....

6.Jan PROBLEM: Labwork - Chemistry (onset)
Labwork - Hematology
Blood sample: (EDTA) (11:16.0) Hematology/Chemistry/Serology results.

Medical History Report - Summary for Individual Specimen
CLEVELAND METROPARKS ZOO

```

=====
Scientific Name: LOXODONTA AFRICANA (no subsp)           Accession #: 970601
Common Name: African elephant                           Female
Name: JO                                                Birth: 10.Jun.1967 (Estimated)
=====

```

.....2001....

```

27.Jun  Labwork Results: Rec'd 29Aug01 Diagnosis: No isolation made. (AHL)
27.Jun  (CMZ)
29.Jun  PROBLEM: Labwork - Microbiology #3 (onset)
        Culture: Trunk Wash sent to National Veterinary Services Lab for
        Acid-Fast (Mycobacterial with Speciation)
        Labwork Results: Rec'd 29Aug01 Diagnosis: No isolation made. (AHL)
        (CMZ)

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

26.Aug  PROBLEM: Labwork - Chemistry
        Labwork - Hematology
        Blood sample: (EDTA) (11:35.0) Hematology/Chemistry/Serology results.
        WBC:13.60 *10^3/UL; HCT: 37.0%; BUN:9 MG/DL;
        Blood sample collected: EDTA and serum (CMZ)
29.Aug  PROBLEM: Labwork - Microbiology (resolved)
        Labwork - Microbiology #2 (resolved)
        Labwork - Microbiology #3 (resolved)

15.Nov  PROBLEM: Labwork - Chemistry (onset)
        Labwork - Hematology (onset)
        Blood sample: (EDTA) (11:00.0) Hematology/Chemistry/Serology results.
        WBC:9.40 *10^3/UL; HCT: 33.1%; BUN:7 MG/DL;
        Blood sample collected: EDTA and serum (CMZ)
16.Nov  PROBLEM: Labwork - Chemistry (resolved)
        Labwork - Hematology (resolved)

```

.....2002....

```

  8.Jan  Parasitology examination: (ROUTINE EXAMINATION) Fecal sample.
        NO PARASITES SEEN

  7.Apr  Blood sample: (EDTA) (11:30.0) Hematology/Chemistry/Serology results.
        WBC:11.90 *10^3/UL; HCT: 37.0%; BUN:10 MG/DL;
  8.Apr  PROBLEM: Labwork - Chemistry
        Labwork - Hematology
        Blood sample collected: EDTA and serum (CMZ)
10.Apr  Blood sample collected: EDTA and serum on 08 April 02. CBC/Chem
        reviewed and within normal limits. (CJB) (CMZ)

31.May  PROBLEM: Labwork - Chemistry (onset)
        Labwork - Hematology (onset)
        Blood sample: (EDTA) (13:15.0) Hematology/Chemistry/Serology results.

```

Medical History Report - Summary for Individual Specimen
CLEVELAND METROPARKS ZOO

```

=====
Scientific Name: LOXODONTA AFRICANA (no subsp)           Accession #: 970601
Common Name: African elephant                           Female
Name: JO                                                Birth: 10.Jun.1967 (Estimated)
=====

```

.....2002....

- 31.May WBC:8.90 *10³/UL; HCT: 33.5%; BUN:15 MG/DL;
- 1.Jun PROBLEM: Labwork - Chemistry (resolved)
Labwork - Hematology (resolved)
- 6.Jul PROBLEM: Labwork - Chemistry
Labwork - Hematology
Blood sample: (EDTA) (9:35.0) Hematology/Chemistry/Serology results.
WBC:12.30 *10³/UL; HCT: 37.8%; BUN:11 MG/DL;
- 10.Jul Parasitology examination: (ROUTINE EXAMINATION) Fecal sample.
NO PARASITES SEEN
- 17.Jul PROBLEM: Labwork - Microbiology (onset)
Culture: Trunk Wash sent to National Veterinary Services Lab for
Acid-Fast (Mycobacterial with Speciation)
Labwork Report: Rec'd 26Sept02 Diagnosis: No isolation made. (AHL)
(LAB)
- 25.Aug PROBLEM: Labwork - Chemistry (onset)
Labwork - Hematology (onset)
Blood sample: (EDTA) (13:48.0) Hematology/Chemistry/Serology results.
WBC:10.60 *10³/UL; HCT: 49.9%; BUN:6 MG/DL;
Blood sample collected: EDTA and serum (CMZ)
- 27.Aug PROBLEM: Labwork - Chemistry (resolved)
Labwork - Hematology (resolved)
- 3.Sep PROBLEM: Vaccination - West Nile Virus Vaccination
Vaccination: West Nile Virus 1 ml IM right shoulder (#1666117A
Exp.17May04)
(RBP) (AHL) (CMZ)
- 26.Sep PROBLEM: Labwork - Microbiology (resolved)
- 27.Sep PROBLEM: Visual Inspection
Vaccination - West Nile Virus Vaccination
- 30.Sep Visual Inspection
Vaccination: West Nile Virus 1.0 ml killed left leg (Fort Dodge
1666118A Exp.17 May 04) (RBP) (CMZ)
- 30.Oct PROBLEM: Visual Inspection
Vaccination - West Nile Virus Vaccination
Visual Inspection
Vaccination: West Nile Virus 1.0 ml killed left shoulder (Fort Dodge
1666125A Exp.15 Apr 04) (RBP) (CMZ)
- 1.Dec PROBLEM: Labwork - Chemistry
Labwork - Hematology

Medical History Report - Summary for Individual Specimen
CLEVELAND METROPARKS ZOO

```

=====
Scientific Name: LOXODONTA AFRICANA (no subsp)           Accession #: 970601
Common Name: African elephant                           Female
Name: JO                                                Birth: 10.Jun.1967 (Estimated)
=====

```

.....2002....

- 1.Dec Blood sample: (EDTA) (13:40.0) Hematology/Chemistry/Serology results.
WBC:9.80 *10³/UL; HCT: 34.5%; BUN:11 MG/DL;
Blood sample collected: EDTA and serum (CMZ)
- 2.Dec Labwork Results: CBC/Chem WNL. (CJB) (CMZ)

.....2003....

- 7.Jan Parasitology examination: (ROUTINE EXAMINATION) Fecal sample.
NO PARASITES SEEN
- 31.Jan PROBLEM: Labwork - Chemistry
Labwork - Hematology
Labwork - Hematology #2
Blood sample: (EDTA) (10:30.0) Hematology/Chemistry/Serology results.
WBC:10.60 *10³/UL; HCT: 38.0%; BUN:8 MG/DL;
Blood sample: (EDTA) (10:30.1) Hematology results.
WBC:10.50 *10³/UL; HCT: 35.8%;
Blood sample collected: EDTA and serum (CMZ)
- 9.Apr PROBLEM: Vaccination - West Nile Virus Vaccination
Vaccination: West Nile Virus 1.0 ml killed left hip (Fort Dodge
1666125A Exp.15 Apr 04). (RBP) (CMZ)
- 2.Jun Weight: 4002 Kg (8820 Lb)
- 17.Jun PROBLEM: Labwork - Microbiology (onset)
Culture: Trunk wash sent to National Veterinary Services
Laboratories for acid-fast (Mycobacterial Speciation).
Results: Negative - No isolation made, results received 26Aug2003.
(LAB)
- 18.Jun PROBLEM: Labwork - Microbiology #2 (onset)
Culture: Trunk wash sent to National Veterinary Services
Laboratories for acid-fast (Mycobacterial Speciation).
Results: Negative - No isolation made, results received 26Aug2003.
(LAB)
- 19.Jun PROBLEM: Labwork - Microbiology #3 (onset)
Culture: Trunk wash sent to National Veterinary Services
Laboratories for acid-fast (Mycobacterial Speciation).
Results: Negative - No isolation made, results received 26Aug2003.
(LAB)
- 7.Jul PROBLEM: Labwork - Chemistry
Labwork - Hematology
Blood sample: (EDTA) Hematology/Chemistry/Serology results.
WBC:11.90 *10³/UL; HCT: 31.0%; BUN:10 MG/DL;

Medical History Report - Summary for Individual Specimen
CLEVELAND METROPARKS ZOO

```

=====
Scientific Name: LOXODONTA AFRICANA (no subsp)           Accession #: 970601
Common Name: African elephant                           Female
Name: JO                                               Birth: 10.Jun.1967 (Estimated)
=====

```

.....2003....

- 7.Jul Parasitology examination: (ROUTINE EXAMINATION) Fecal sample.
NO PARASITES SEEN
Blood sample collected: EDTA and serum (LAB)

- 2.Aug PROBLEM: Labwork - Chemistry
Labwork - Hematology
Blood sample: (EDTA) (10:30.0) Hematology/Chemistry/Serology results.
WBC:11.60 *10³/UL; HCT: 32.2%; BUN:11 MG/DL;
Blood sample collected: EDTA and serum (LAB)
- 11.Aug Blood sample: (EDTA) (9:50.0) Hematology/Chemistry/Serology results.
WBC:10.70 *10³/UL; HCT: 34.0%; BUN:10 MG/DL;
Blood sample: (EDTA) (9:50.1) Hematology results.
WBC:8.40 *10³/UL; HCT: 33.5%;
- 19.Aug Blood sample: (EDTA) (13:20.0) Hematology/Chemistry/Serology results.
WBC:13.00 *10³/UL; HCT: 37.0%; BUN:9 MG/DL;
Blood sample: (EDTA) (13:20.1) Hematology results.
WBC:7.10 *10³/UL; HCT: 34.7%;
- 26.Aug PROBLEM: Labwork - Microbiology (resolved)
Labwork - Microbiology #2 (resolved)
Labwork - Microbiology #3 (resolved)

- 2.Sep Blood sample: (EDTA) (10:30.0) Hematology/Chemistry/Serology results.
WBC:11.30 *10³/UL; HCT: 34.7%; BUN:8 MG/DL;
- 7.Sep PROBLEM: Labwork - Chemistry
Labwork - Hematology
Blood sample: (EDTA) (12:00.0) Hematology/Chemistry/Serology results.
WBC:10.50 *10³/UL; BUN:8 MG/DL;
Blood sample collected: EDTA and serum taken for hematology and
chemistry, work done in-house.
Labwork Results: CBC/Chemistry - WNL. (CJB)

- 5.Oct PROBLEM: Labwork - Chemistry (onset)
Labwork - Hematology (onset)
Blood sample: (EDTA) (10:30.0) Hematology/Chemistry/Serology results.
WBC:9.35 *10³/UL; HCT: 38.0%; BUN:10 MG/DL;
- 6.Oct PROBLEM: Labwork - Chemistry (resolved)
Labwork - Hematology (resolved)

- 13.Nov Blood sample: (EDTA) (11:34.0) Hematology/Chemistry/Serology results.
WBC:9.80 *10³/UL; HCT: 36.8%; BUN:9 MG/DL;
- 24.Nov PROBLEM: Labwork - Microbiology (onset)
Blood sample: (EDTA) (12:30.0) Hematology/Chemistry/Serology results.
WBC:9.50 *10³/UL; HCT: 40.0%; BUN:7 MG/DL;
Parasitology examination: (DIAGNOSTIC EXAMINATION) Fecal sample.

Medical History Report - Summary for Individual Specimen
CLEVELAND METROPARKS ZOO

```

=====
Scientific Name: LOXODONTA AFRICANA (no subsp)           Accession #: 970601
Common Name: African elephant                           Female
Name: JO                                               Birth: 10.Jun.1967 (Estimated)
=====

```

.....2003...

```

24.Nov NO PARASITES SEEN
      Culture: Stool culture sent to PetLabs for processing, results
      received 26Nov2003.
      Results: Culture: Stool Comprehensive
               Source: Stool
               Status: Final
               Result: Heavy growth of normal enteric flora
                       No Salmonella, Shigella, or Campylobacter
      Comment: No further testing performed. (CMZ)
26.Nov PROBLEM: Labwork - Microbiology (resolved)
17.Dec Blood sample: (EDTA) (11:50.0) Hematology/Chemistry/Serology results.
      WBC:10.20 *10^3/UL; HCT: 35.0%; BUN:10 MG/DL;

```

.....2004...

```

4.Jan Parasitology examination: (ROUTINE EXAMINATION) Fecal sample.
      NO PARASITES SEEN
29.Jan PROBLEM: Physical Examination
      History: Normal behavior, attitude appetite.
      Examination: EENT-WNL, No icterus, ulcerations, petechiae or
      ecchymoses. Palpation of ventral skin fold-WNL, not edematous.
      Examination of feet reveals normal plantar surface with no
      ulcerations or abscesses. There are a few cracked toenails, but
      these appear minor with no signs of infection.
      Assessment: No clinical indications of infectious or contagious
      disease or pedal infections.
      Plan: To continue with scheduled CBC's chemistries, and TB tests for
      routine screening. (CJB)
30.Jan Weight: 3793 Kg ( 8360 Lb)
11.Mar Blood sample: (EDTA) (13:30.0) Hematology results.
      WBC:10.60 *10^3/UL; HCT: 39.0%;
13.Mar PROBLEM: Labwork - Microbiology (onset)
      Culture: Sample taken, sent to PetLabs for processing, results
      received 15Mar2004
      Results: Culture: Stool Comprehensive
               Source: Stool
               Status: Final
               Result: Moderate growth of normal enteric flora.
                       No Salmonella, Shigella, or Campylobacter
      isolated.
      Comment: No further testing performed. (CJB)
15.Mar PROBLEM: Labwork - Microbiology (resolved)

```

Medical History Report - Summary for Individual Specimen
CLEVELAND METROPARKS ZOO

```

=====
Scientific Name: LOXODONTA AFRICANA (no subsp)           Accession #: 970601
Common Name: African elephant                           Female
Name: JO                                                Birth: 10.Jun.1967 (Estimated)
=====

```

.....2004....

- 20.Apr PROBLEM: Vaccination - West Nile Virus Vaccination
Vaccination: West Nile Virus 1.0 ml killed IM left shoulder (Fort Dodge 166613622A Exp.28Oct2005). (RBP)

- 26.May PROBLEM: Labwork - Microbiology (onset)
Culture: Trunk wash taken sent to National Veterinary Services Laboratories for Mycobacteria Isolation, results received 05Aug2004.
Diagnosis: No isolation made (LAB)
- 27.May PROBLEM: Labwork - Microbiology #2 (onset)
Culture: Trunk wash taken sent to National Veterinary Services Laboratories for Mycobacteria Isolation, results received 05Aug2004.
Diagnosis: No isolation made (LAB)
- 28.May PROBLEM: Labwork - Microbiology #3 (onset)
Culture: Trunk wash taken sent to National Veterinary Services Laboratories for Mycobacteria Isolation, results received 05Aug2004.
Diagnosis: No isolation made. (LAB)

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

- 5.Aug PROBLEM: Labwork - Microbiology (resolved)
Labwork - Microbiology #2 (resolved)
Labwork - Microbiology #3 (resolved)

- 2.Sep Blood sample: (EDTA) (9:00.0) Hematology/Chemistry/Serology results.
WBC:11.50 *10³/UL; HCT: 38.0%; BUN:9 MG/DL;

- 24.Nov PROBLEM: Labwork - Chemistry
Labwork - Hematology
Blood sample: (EDTA) (9:50.1) Hematology/Chemistry/Serology results.
WBC:6.70 *10³/UL; HCT: 35.6%; BUN:6 MG/DL;
History: Routine blood draw for screening and training
Labwork Results: CBC-WNL; Chemistry-WNL.
KML (KML)