

CLEVELAND ZOO
MEDICAL RECORDS

"MASHI"

15 pages follow

Medical History Report - Summary for Individual Specimen
CLEVELAND METROPARKS ZOO

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=====
Scientific Name: LOXODONTA AFRICANA (no subsp)           Accession #: 970602
Common Name: African elephant                             Female
Name: MOSHI                                             Birth: 7.Jun.1976 (Estimated)
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.....2000....

- 5.Jan PROBLEM: leukocytosis (onset)
Labwork Results: A review of blood work over the past several months reveals periodic elevations that do not correlate with any known illness and rise and fall rapidly (within days).
Assessment: The leukocytosis is likely stress related as this animal is subordinate and has periodic run-ins with 970601 (Jo). The keepers have volunteered to note aggressive and stress related behaviors in their notes to help us better correlate the rise/fall of WBC counts. This should be correlated with cortisol levels. (AHL) (CMZ)
- 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: leukocytosis (resolved)
Labwork - Hematology
Blood sample: (EDTA) (13:00.0) Hematology results.
WBC:10.20 *10³/UL; HCT: 35.0%;
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) (11:25.0) Hematology/Chemistry/Serology results.
WBC:11.50 *10³/UL; HCT: 35.0%; BUN:9 MG/DL;
Blood sample collected: EDTA and serum (CMZ)
- 20.Apr PROBLEM: Labwork - Chemistry
Labwork - Hematology
Blood sample: (EDTA) (12:00.0) Hematology/Chemistry/Serology results.
WBC:11.99 *10³/UL; HCT: 35.0%; BUN:10 MG/DL;
Blood sample collected: EDTA and serum (CMZ)
- 4.May PROBLEM: Labwork - Chemistry
Labwork - Hematology
Blood sample: (EDTA) (10:00.0) Hematology/Chemistry/Serology results.
WBC:13.80 *10³/UL; HCT: 35.0%; BUN:11 MG/DL;
Blood sample collected: EDTA and serum (CMZ)
- 13.May PROBLEM: Labwork Results - Microbiology (onset)

Medical History Report - Summary for Individual Specimen
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Scientific Name: *LOXODONTA AFRICANA* (no subsp) Accession #: 970602
Common Name: African elephant Female
Name: MOSHI Birth: 7.Jun.1976 (Estimated)
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.....2000....

- 16.May Blood sample: (EDTA) (13:05.0) Hematology/Chemistry/Serology results.
WBC:12.30 *10³/UL; HCT: 27.8%; BUN:9 MG/DL;
- 1.Jun PROBLEM: Labwork - Chemistry (onset)
Blood sample: (12:55.0) Chemistry results.
BUN:10 MG/DL;
Blood sample collected: EDTA and serum (CMZ)
- 2.Jun PROBLEM: Labwork - Chemistry (resolved)
- 9.Jun PROBLEM: Labwork - Hematology
Blood sample: (EDTA) (13:10.0) Hematology results.
WBC:9.96 *10³/UL; HCT: 34.0%;
Blood sample collected: EDTA and serum (CMZ)
- 11.Jun PROBLEM: Labwork - 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)
- 13.Jun 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) (13:00.0) Hematology/Chemistry/Serology results.
WBC:9.60 *10³/UL; HCT: 30.1%; BUN:10 MG/DL;
Blood sample collected: EDTA and serum - CBC reviewed and WNL with
reference to ISIS normals. (CJB) (CMZ)
- 18.Jul PROBLEM: Labwork - Chemistry (onset)
Labwork - Hematology (onset)
Blood sample: (EDTA) (13:17.0) Hematology/Chemistry/Serology results.
WBC:9.50 *10³/UL; HCT: 33.0%; BUN:12 MG/DL;
Blood sample collected: EDTA and serum (CMZ)
- 19.Jul PROBLEM: Labwork - Chemistry (resolved)
Labwork - Hematology (resolved)
- 24.Jul Labwork Results: From Draw on 18 July 2000. CBC/Chem reviewed and
are within normal limits. (CJB) (CMZ)
- 27.Jul Parasitology examination: (ROUTINE EXAMINATION) Fecal sample.
NO PARASITES SEEN
- 12.Aug PROBLEM: Labwork - Chemistry
Labwork - Hematology

/ISIS/MedARKS/5.31j

Printed on: 6.Jan.2005

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.....2000....

- 12.Aug Blood sample: (EDTA) (13:30.0) Hematology/Chemistry/Serology results.
WBC:9.90 *10³/UL; HCT: 28.3%; BUN:7 MG/DL;
Blood sample collected: EDTA and serum (CMZ)
- 21.Aug Labwork Results: From draw on 12 Aug 2000. CBC reviewed and WNL
except for HCT which is mildly low. However, Hb is WNL.
Plan: Kuo, may want to check fecal for occult blood. (CJB) (CMZ)
- 22.Aug PROBLEM: Labwork Results - Microbiology (resolved)
Labwork - Microbiology (resolved)
Lab Work - Microbiology (resolved)

- 10.Sep PROBLEM: Labwork - Chemistry
Labwork - Hematology
Blood sample: (EDTA) (10:15.0) Hematology/Chemistry/Serology results.
WBC:12.30 *10³/UL; HCT: 35.0%; BUN:8 MG/DL;
Blood sample collected: EDTA and serum - CBC/Chem reviewed and WNL.
Somewhat low on relative monocyte count today, but total WBC is
normal. (CJB) (CMZ)

- 9.Oct PROBLEM: Labwork Results - Chemistry (onset)
Labwork Results - Hematology
Blood sample: (EDTA) (12:15.0) Hematology/Chemistry/Serology results.
WBC:17.10 *10³/UL; HCT: 38.0%; BUN:10 MG/DL;
Blood sample collected: EDTA and serum (CMZ)
- 10.Oct PROBLEM: Labwork Results - Chemistry (resolved)

- 4.Nov PROBLEM: Visual Inspection
Labwork - Chemistry
Labwork - Hematology
Labwork - Microbiology (onset)
Labwork Results - Serology (onset)
Blood sample: (EDTA) (10:10.0) Hematology/Chemistry/Serology results.
WBC:13.70 *10³/UL; HCT: 35.0%; BUN:9 MG/DL;
Parasitology examination: (DIAGNOSTIC EXAMINATION) Fecal sample.
NO PARASITES SEEN
History: Lethargic, off feed. Restless, acts as if uncomfortable.
Will lay down and get up again repeatedly as if in abdominal
discomfort.
Plan: CBC/chem + urine and feces and Fibrinogen.
Blood sample collected: EDTA/Serum
14:00 - Labwork Results: CBC/Chem WNL except for monocytopenia may be
normal or stress leukogram if the animal is socially/behaviorially
outcast.
Blood sample collected: Citrated plasma sent to Marshfield for
Fibrinogen. Result: 315 mg/dL.

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.....2000....

5.Nov

<<< Urinalysis >>>

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Laboratory: [x] Cleveland Zoo           Sample Accession #:
              [ ] LabCorp                Date collected: 05NOV2000
              [ ] Vet Diagnostics        Time Collected:
                                          Date Received : 05NOV2000
                                          Date Analyzed : 05NOV2000
                                          Analyzed By   :
Sample collection:                       Sample storage:
  [x] floor                               [x] room temperature
  [ ] mid-stream                          [ ] refrigerated
  [ ] catheter                            [ ] frozen
  [ ] cystocentesis
Color: Yellow                             Appearance: [ ] clear
Specific Gravity: >1.040                  [ ] hazy
                                          [x] cloudy
Leukocytes: Neg                           [ ] turbid
Nitrite: +                                RBC/hpf: 0
Urobilinogen: 0.2                         WBC/hpf: 0
Protein: Trace                            Bacteria/hpf: Moderate
pH: 7.5                                   Casts/lpf: 0
Blood: Neg                                 Crystals: 0
Ketones: Neg                               Epithelial cells: 0
Bilirubin: Neg                             Mucus: +
Glucose: Neg
Comments: Debris ++

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.....2001....

- 5.Mar PROBLEM: Labwork - Chemistry (onset)
Labwork - Hematology
Blood sample: (EDTA) (10:00.0) Hematology/Chemistry/Serology results.
WBC:8.60 *10³/UL; HCT: 36.0%; BUN:9 MG/DL;
Blood sample collected: EDTA and serum from draw on
05Mar01,Chemistry results reviewed and WNL. (CJB) (CMZ)
- 6.Mar PROBLEM: Labwork - Chemistry (resolved)
Labwork Results: From draw on 05Mar2001,CBC/chemistry reviewed WNL
(AHL) (CMZ)
- 18.Jun PROBLEM: Labwork - Chemistry (onset)
Labwork - Hematology (onset)
Labwork - Microbiology (onset)
Blood sample: (EDTA) (9:40.0) Hematology/Chemistry/Serology results.
WBC:6.20 *10³/UL; HCT: 35.7%; BUN:6 MG/DL;
Blood sample collected: EDTA and serum
Blood sample collected: EDTA and serum
Labwork Results: 3 Samples Dated 6/11, 6/13, 6/15 - Trunk Wash sent
to National Veterinary Services Lab., Ames, Iowa. Result: Sample not
processed due to insufficient sample. (CJB) (CMZ)
- 19.Jun PROBLEM: Labwork - Chemistry (resolved)
Labwork - Hematology (resolved)
- 21.Jun PROBLEM: Labwork - Microbiology (resolved)
- 25.Jun PROBLEM: Labwork - Microbiology (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)
- 27.Jun PROBLEM: Labwork - Microbiology #2 (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)
- 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

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26.Aug  Blood sample: (EDTA) (11:30.0) Hematology/Chemistry/Serology results.
        WBC:12.00 *10^3/UL; HCT: 41.0%; BUN:7 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:9.90 *10^3/UL; HCT: 34.3%; BUN:7 MG/DL;
        Blood sample collected: EDTA and serum (LAB)
16.Nov  PROBLEM: Labwork - Chemistry (resolved)
        Labwork - Hematology (resolved)

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

31.May  PROBLEM: Labwork - Chemistry (onset)
        Labwork - Hematology (onset)
        Blood sample: (EDTA) (13:05.0) Hematology/Chemistry/Serology results.
        WBC:6.90 *10^3/UL; HCT: 33.2%; BUN:15 MG/DL;

1.Jun  PROBLEM: Labwork - Chemistry (resolved)
        Labwork - Hematology (resolved)

6.Jul  PROBLEM: edema - abdomen (onset)
        Visual Inspection
        Visual Inspection: Edema of ventral abdomen. Palpated abdomen. (CJB)
        (CMZ)
7.Jul  PROBLEM: Labwork - Hematology
        Blood sample: (EDTA) (13:40.0) Hematology/Chemistry/Serology results.
        WBC:10.80 *10^3/UL; HCT: 34.0%; BUN:9 MG/DL;
8.Jul  PROBLEM: Labwork - Chemistry (onset)
        Labwork - Microbiology (onset)
        Purpose/Problem: Dependent Edema
        Rx: FUROSEMIDE INJECTABLE 500mg PO BID for 14 days.
        Rx: FUROSEMIDE 500 mg PO BID for 14 days. (AHL)
        Rx: FUROSEMIDE 500 mg PO BID until further notice. (CJB)
9.Jul  PROBLEM: Labwork - Chemistry (resolved)
10.Jul PROBLEM: Labwork - Microbiology (resolved)
        Labwork - Urinalysis (onset)

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Name: MOSHI Birth: 7.Jun.1976 (Estimated)
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.....2002....

- 10.Jul Parasitology examination: (ROUTINE EXAMINATION) Fecal sample.
NO PARASITES SEEN
Culture: Genital-vaginal. Culture taken 08Jul2002, sent to
PetLabs, results received 10Jul2002.
Results: Moderate growth of mixed gram negative bacilli (>3types) and
coagulase negative Staphylococcus.
Comment: No further testing performed. (LAB)
- 11.Jul PROBLEM: Labwork - Urinalysis (resolved)

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.....2002....

11.Jul

<<< Urinalysis >>>

Sample Accession #: 970602
Laboratory: Cleveland Zoo Date collected:10Jul2002
 PetLabs Time Collected:
 Other Date Received :11Jul2002
 Date Analyzed :11Jul2002
 Analyzed By : KMR
Sample collection: Sample storage:
 floor room temperature
 mid-stream refrigerated
 catheter frozen
 cystocentesis
Appearance: clear Color:Gold
 hazy Specific Gravity:1.030
 cloudy Leukocytes:neg
 turbid Nitrate:pos.
 Urobilinogen:neg
 Protein:30+
 pH:8.0
 Blood:neg
 Ketones:neg
 Bilirubin:neg
 Glucose:neg
 RBC/hpf:none
 WBC/hpf:none
 Bacteria/hpf:none
 Casts:none
 Crystals:none
 Epithelial cells:none
 Mucus:none

Comments: Lipid droplets and yeast TNTC. Sample contaminated several
contaminates. No bacterial growth in clinic urine microbiology test.
(CMZ)

14.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)
(CMZ)

15.Jul

PROBLEM: Labwork - Microbiology #2 (onset)
Culture: Trunk Wash sent to National Veterinary Services Lab for
Acid-Fast (Mycobacterial with Speciation)
Labwork Report: Rec'd 26Sept02 Diagnosis: Acid Fast Organism
Isolated. A mycobacterium species was isolated from the specimen
submitted. It was not Mycobacterium avium complex and it was not

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.....2002....

- 15.Jul Mycobacterium tuberculosis complex. (AHL) (CMZ)
16.Jul PROBLEM: Labwork - Microbiology #3 (onset)
Culture: Trunk Wash sent to National Veterinary Services Lab for
Acid-Fast (Mycobacterial with Speciation)
Labwork Report: Rec'd 18Sept02 Diagnosis: No isolation made. (AHL)
(CMZ)

25.Aug PROBLEM: Labwork - Chemistry (onset)
Labwork - Hematology (onset)
Blood sample: (EDTA) (13:28.0) Hematology/Chemistry/Serology results.
WBC:7.20 *10³/UL; HCT: 31.3%; BUN:7 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 1.0 ml right hip
(#16661173AExp.17May04). (RBP) (AHL) (CMZ)
18.Sep PROBLEM: Labwork - Microbiology (resolved)
Labwork - Microbiology #3 (resolved)
26.Sep PROBLEM: Labwork - Microbiology #2 (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
Blood sample: (EDTA) (10:18.0) Hematology/Chemistry/Serology results.
WBC:7.70 *10³/UL; HCT: 43.0%; BUN:9 MG/DL;
Blood sample collected: EDTA and serum (CMZ)
2.Dec Labwork Results: CBC/Chem WNL. (CJB) (CMZ)

.....2003....

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

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.....2003....

- 13.Feb Weight: 3532 Kg (7785 Lb)
- 24.Feb PROBLEM: Labwork - Chemistry
Labwork - Hematology
Blood sample: (EDTA) Hematology/Chemistry/Serology results.
WBC:7.30 *10³/UL; HCT: 40.3%; BUN:9 MG/DL;
Blood sample collected: EDTA and serum (CMZ)
- 24.Apr PROBLEM: Vaccination - West Nile Virus Vaccination
Vaccination: West Nile Virus 1.0 ml killed left pectoral (Fort Dodge 1666122A Exp.17 May 04). (RBP) (CMZ)
- 2.Jun Weight: 3571 Kg (7870 Lb)
- 17.Jun PROBLEM: Labwork - Microbiology (onset)
Culture: Trunk wash sent to National Veterinary Services Laboratories for acid-fast (Mycobacterial Speciation) 17Jun2003.
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) testing.
Results: Negative - No Isolation made, results received 26Aug2003. (LAB)
- 19.Jun PROBLEM: Labwork - Microbiology #3 (onset)
Culture: Trunk wash sent to National Veterianry Services Laboratories for acid-fast (Mycobacaterial Specialtion) testing.
Results: Negative - No isolation made, results received 26Aug2003. (LAB)
- 7.Jul Blood sample: (EDTA) (9:23.0) Hematology/Chemistry/Serology results.
WBC:8.60 *10³/UL; HCT: 45.0%; BUN:9 MG/DL;
Blood sample: (9:23.1) Chemistry results.
- 16.Jul Parasitology examination: (ROUTINE EXAMINATION) Fecal sample.
NO PARASITES SEEN
- 1.Aug PROBLEM: Labwork - Chemistry
Labwork - Hematology
Blood sample: (EDTA) (10:47.0) Hematology/Chemistry/Serology results.
WBC:7.90 *10³/UL; HCT: 40.0%; BUN:8 MG/DL;
Blood sample collected: EDTA and serum (CMZ)
- 2.Aug Labwork Results: From draw on 01 Aug 03 - CBC/Chem WNL. (CJB) (CMZ)
- 19.Aug Blood sample: (EDTA) (13:00.0) Hematology/Chemistry/Serology results.
WBC:7.60 *10³/UL; HCT: 32.0%; BUN:6 MG/DL;
- 26.Aug PROBLEM: Labwork - Microbiology (resolved)
Labwork - Microbiology #2 (resolved)

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.....2003....

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26.Aug      Labwork - Microbiology #3 (resolved)

5.Oct  PROBLEM: Labwork - Chemistry (onset)
          Labwork - Hematology (onset)
Blood sample: (EDTA) (10:20.0) Hematology/Chemistry/Serology results.
WBC:12.80 *10^3/UL; HCT: 39.0%; BUN:6 MG/DL;
Hemolysis
6.Oct  PROBLEM: Labwork - Chemistry (resolved)
          Labwork - Hematology (resolved)

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.....2004....

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22.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
ecchymosis.
Palpation of ventral skin folds-WNL, Not edematous. Examination of
feet reveals normal plantar surface with no ulcerations or abscess,
there are a few cracked toenails, but these appear minor with no
signs of infection.
Assessment: No clinical indication of infectious or contagious
disease or pedal infections.
Plan: To continue with schedule CBC's chemistries, and TB tests for
routine screening. (CJB)
30.Jan                                     Weight: 3387 Kg ( 7465 Lb)

20.Apr  PROBLEM: Vaccination - West Nile Virus Vaccination
Vaccination: West Nile Virus 1.0 ml killed IM right shoulder(Fort
Dodge 1666136A 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)

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.....2004....

- 1.Jun PROBLEM: abscess - left elbow (onset)
 Visual Inspection
 Examination: Skin of elbow is dry and cracked. Mild purulent discharge noted.
 Assessment: Recommend switching from hydrogen peroxide rinse to Betadine rinse BID. Also recommend applying moisturizer to both elbows to soften skin and avoid cracking.
 AHL/ETT,VME4 (AHL)

- 24.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) (12:20.0) Hematology/Chemistry/Serology results.
 WBC:8.14 *10³/UL; HCT: 35.0%; BUN:8 MG/DL;

- 23.Nov PROBLEM: Labwork - Hematology (onset)
 Blood sample: (EDTA) (9:55.0) Hematology results.
 WBC:7.20 *10³/UL; HCT: 37.4%;
 History: Routine blood draw for screening and training.
 Labwork Results: CBC-WNL
 KML (KML)

- 24.Nov PROBLEM: Labwork - Hematology (resolved)