

Report Start Date
6/1/2005

Specimen Report for GREENVISC / 880002

Report End Date
12/12/2007



Taxonomic name: *Loxodonta africana*

Family: Elephantidae

Common name: African elephant

Order: Proboscidea

Current information

Sex: Female Sire ID:
Birth type: Wild Born Dam ID:
Birth Location: Rearing: Unknown
Birthdate-Age: ~ 1970 - ~37Y Hybrid: Not a hybrid

Time since last Acq: 8Y,9M,14D as of report end date

Date in	Acquisition - Vendor/local Id	Holder	Disposition - Recipient/local Id	Date out
10 Jan 1977	Purchase from FERNDALE / UNK	GREENVISC / 880002	Loan Out to COLUMBIA / SJ1773	26 Jun 1997
1 Mar 1999	Loan Returned to Us COLUMBIA / SJ1773	GREENVISC / 880002		

Date	Type	Value	Units	Comments
29 Jun 2005	live animal weight	8200	pound	
28 Jun 2006	live animal weight	8300	pound	

Date	Note type	Comments
8 Jun 2005	Medical procedure	First of 3 trunk washes for TB test, stored in freezer.
9 Jun 2005	Medical procedure	Second trunk wash, stored in freezer. Also took 12ml of blood from right ear, stored in freezer for prolactin study.
10 Jun 2005	Medical procedure	Third trunk wash, stored in freezer.
16 Jun 2005	Medical procedure	TB samples previously taken sent to NVSL, Ames IA . Blood samples and rectal swab taken, sent to Antech.
23 Jun 2005	Medical procedure	Took 12ml blood from right ear, stored in freezer for prolactin study.
30 Jun 2005	Medical procedure	Blood sample collected from right ear for serum storage for prolactin study.
6 Jul 2005	Medical procedure	Blood sample collected from right ear for serum storage for prolactin study.
12 Jul 2005	Aggression	Showed aggression to keeper at end of day over food.
13 Jul 2005	Medical procedure	Blood sample collected from right ear for serum storage for prolactin study.
14 Jul 2005	Fecal check/worming	Bi-annual(2): Negative.
15 Jul 2005	Foot management	Trimmed around nails on both rear feet.
20 Jul 2005	Medical procedure	Blood collected from left ear for serum storage for prolactin study.
27 Jul 2005	Medical procedure	Blood collected from right ear for serum storage for prolactin study.
31 Jul 2005	Foot management	Footwork and cuticle work done on all feet.
3 Aug 2005	Medical procedure	Blood collected from right ear for serum storage for prolactin study.
10 Aug 2005	Medical procedure	Blood collected from right ear for serum storage for prolactin study.
17 Aug 2005	Medical procedure	Blood collected from right ear for serum storage for prolactin study.
23 Aug 2005	Medical diagnosis	Tb test trunk wash results from NVSL negative.
24 Aug 2005	Medical procedure	Blood collected from right ear for serum storage for prolactin study.
25 Aug 2005	Behavior note	Would not place right front foot through bars for a.m. foot cleaning. Placed on exhibit w/o tires and a.m. diet. Tried again later and she cooperated.
29 Aug 2005	Behavior note	Easily startled in a.m. and while filling mud puddles.
30 Aug 2005	Behavior note	Easily startled today.
31 Aug 2005	Medical procedure	Blood collected from right ear for serum storage for prolactin study. Blood also taken from right ear and sent to Antech for diagnostic examination.
31 Aug 2005	Behavior note	Easily startled today, not acting normally.
3 Sep 2005	Behavior note	Acting normal.
7 Sep 2005	Medical procedure	Blood collected from right ear for serum storage for prolactin study.
17 Sep 2005	Medical procedure	Blood collected from right ear for serum storage for prolactin study.



21 Sep 2005	Medical procedure	Blood collected from right ear for serum storage for prolactin study.
28 Sep 2005	Medical procedure	Blood collected from right ear for serum storage for prolactin study.
1 Oct 2005	Medical procedure	Blood collected from right ear for serum storage for prolactin study.
3 Oct 2005	Foot management	Footwork done on rear left foot pad(protected contact).
12 Oct 2005	Medical procedure	Blood collected from right ear for serum storage for prolactin study.
15 Oct 2005	Foot management	Footwork done and Koppertox applied on all feet.
16 Oct 2005	Foot management	Footwork done on rear left foot pad(protected contact). Koppertox applied to all nails.
17 Oct 2005	Foot management	Koppertox applied to all nails.
18 Oct 2005	Foot management	Footwork done on rear right foot pad(protected contact). Koppertox applied to all nails.
19 Oct 2005	Medical procedure	Blood collected from right ear for serum storage for prolactin study.
19 Oct 2005	Foot management	Footwork done on rear right foot pad(protected contact).
20 Oct 2005	Foot management	Koppertox applied to all nails in p.m.
24 Oct 2005	Foot management	Koppertox applied to all nails.
25 Oct 2005	Medical treatment	Small blood spot in den from right ear being dry. Applied Aquaphor ointment to both ears. Also applied Koppertox to all nails.
26 Oct 2005	Medical procedure	Blood collected from right ear for serum storage for prolactin study.
26 Oct 2005	Medical treatment	Koppertox applied to all nails. Also applied Aquaphor ointment to both ears.
29 Oct 2005	Medical procedure	Blood collected from right ear for serum storage for prolactin study.
29 Oct 2005	Foot management	Koppertox applied to all nails.
30 Oct 2005	Foot management	Koppertox applied to all nails.
1 Nov 2005	Foot management	Koppertox applied to all nails.
5 Nov 2005	Foot management	Koppertox applied to all nails.
6 Nov 2005	Foot management	Koppertox applied to all nails.
7 Nov 2005	Foot management	Footwork done on both rear feet.
8 Nov 2005	Foot management	Footwork done on rear right foot.
9 Nov 2005	Medical procedure	Blood collected from right ear for serum storage for prolactin study.
12 Nov 2005	Foot management	Koppertox applied to all nails.
12 Nov 2005	Aggression	Aggressive towards keeper applying Koppertox when car drove past.
13 Nov 2005	Foot management	Footwork done on both rear feet. Koppertox applied to all nails.
15 Nov 2005	Human interaction	New command "mark" to target with end of trunk. Started painting on canvas.
16 Nov 2005	Medical procedure	Blood collected from right ear for serum storage for prolactin study.
20 Nov 2005	Foot management	Koppertox applied to all nails.
20 Nov 2005	Aggression	Showed aggression towards keepers while trying to paint on black canvas, no aggression towards white canvas.
23 Nov 2005	Medical procedure	Blood collected from left ear for serum storage for prolactin study.
27 Nov 2005	Medical procedure	Blood collected from left ear for serum storage for prolactin study.
27 Nov 2005	Foot management	Koppertox applied to all nails, vaseline applied to cuticles. Also applied Aquaphor to ears.
29 Nov 2005	Foot management	Footwork done on both rear feet.
4 Dec 2005	Medical treatment	Aquaphor ointment applied to inside lower ears to prevent chapping & bleeding.
4 Dec 2005	Foot management	Footwork done on both rear feet. Koppertox applied to all nails.
6 Dec 2005	Aggression	Showed aggression towards keepers.
7 Dec 2005	Medical procedure	Blood collected from left ear for serum storage for prolactin study.
7 Dec 2005	Foot management	Footwork done on both rear feet. Koppertox applied to all nails.
8 Dec 2005	Medical observation	Front left leg stiff.
10 Dec 2005	Medical procedure	Blood collected from left ear for serum storage for prolactin study.
10 Dec 2005	Foot management	Koppertox applied to all nails. Also applied Aquaphor ointment to ears.
21 Dec 2005	Medical procedure	Blood collected from left ear for serum storage for prolactin study.
22 Dec 2005	Foot management	Koppertox and vaseline applied to all nails. Also applied Aquaphor ointment to ears.



28 Dec 2005	Medical procedure	Blood collected from left ear for serum storage for prolactin study.
31 Dec 2005	Foot management	Footwork done on all feet.
2 Jan 2006	Enrichment	Gave a bag of pine shavings, ate them.
4 Jan 2006	Medical procedure	Blood collected from left ear for serum storage for prolactin study.
4 Jan 2006	Foot management	Koppertox applied to all nails.
9 Jan 2006	Human interaction	Started protected contact blood draws.
10 Jan 2006	Foot management	Footwork done on rear right foot. Koppertox applied to all nails.
13 Jan 2006	Medical procedure	Blood collected from left ear for serum storage for prolactin study.
17 Jan 2006	Fecal check/worming	Bi-annual(1): Negative.
17 Jan 2006	Foot management	Footwork done on both rear feet.
20 Jan 2006	Foot management	Footwork done on both rear feet. Koppertox applied to all nails.
23 Jan 2006	Medical diagnosis	Results of 6 month evaluation from prolactin study: Levels good, any irregular cyclicity not due to hyperprolactinemia per Dr. Brown.
24 Jan 2006	Aggression	Showed aggression to keepers at end of day.
3 Feb 2006	Medical procedure	Blood collected from left ear for serum storage for prolactin study. Starting protected contact blood draws.
4 Feb 2006	Foot management	Koppertox applied to all nails.
14 Feb 2006	Aggression	Showed aggression to keepers at end of day.
15 Feb 2006	Aggression	Showed aggression to keepers at end of day.
18 Feb 2006	Foot management	Footwork done on both rear feet.
20 Feb 2006	Aggression	Showed aggression to keepers at end of day.
22 Feb 2006	Foot management	Crack on center nail of rear left foot. Koppertox applied to all nails.
23 Feb 2006	Foot management	Koppertox applied to all nails.
24 Feb 2006	Medical procedure	Blood collected from left ear for serum storage for prolactin study.
24 Feb 2006	Foot management	Cuticle and nail work done on both front feet. Nail work done on rear right foot. Koppertox applied to all nails.
25 Feb 2006	Foot management	Cuticle and nail work done on both rear feet. Koppertox applied to all nails.
26 Feb 2006	Foot management	Koppertox applied to all nails.
28 Feb 2006	Foot management	Footwork done on both rear feet. Koppertox applied to all nails.
1 Mar 2006	Aggression	Showed aggression to keepers at end of day.
2 Mar 2006	Foot management	Koppertox applied to all nails.
3 Mar 2006	Medical procedure	Blood collected from left ear for serum storage for prolactin study.
3 Mar 2006	Foot management	Koppertox applied to all nails.
4 Mar 2006	Foot management	Koppertox applied to all nails.
5 Mar 2006	Foot management	Koppertox applied to all nails.
7 Mar 2006	Foot management	Koppertox applied to all nails.
8 Mar 2006	Foot management	Koppertox applied to all nails.
9 Mar 2006	Foot management	Koppertox applied to all nails.
10 Mar 2006	Medical procedure	Blood collected from left ear for serum storage for prolactin study.
10 Mar 2006	Foot management	Footwork done on both front feet. Koppertox applied to all nails.
11 Mar 2006	Foot management	Footwork done on both front feet. Koppertox applied to all nails.
14 Mar 2006	Medical observation	Losing hair at base of tail.
15 Mar 2006	Foot management	Koppertox applied to all nails.
16 Mar 2006	Foot management	Koppertox applied to all nails.
17 Mar 2006	Foot management	Koppertox applied to all nails.
18 Mar 2006	Medical procedure	Blood collected from left ear for serum storage for prolactin study.
19 Mar 2006	Foot management	Koppertox applied to all nails.
22 Mar 2006	Foot management	Koppertox applied to all nails.



23 Mar 2006	Foot management	Koppertox applied to all nails.
24 Mar 2006	Medical procedure	Blood collected from left ear for serum storage for prolactin study.
25 Mar 2006	Foot management	Footwork done on both rear feet. Koppertox applied to all nails. Also applied vaseline to cuticles and aquaphor to ears for dry skin.
26 Mar 2006	Foot management	Koppertox applied to all nails.
28 Mar 2006	Foot management	Koppertox applied to all nails.
29 Mar 2006	Foot management	Koppertox applied to all nails.
30 Mar 2006	Foot management	Koppertox applied to all nails.
31 Mar 2006	Foot management	Koppertox applied to all nails.
31 Mar 2006	Medical procedure	Blood collected from right ear for serum storage for prolactin study.
2 Apr 2006	Foot management	Koppertox applied to all nails.
3 Apr 2006	Aggression	Showed aggression to keepers at end of day.
6 Apr 2006	Foot management	Koppertox applied to all nails. Large crack on nail of middle toe on rear left foot.
7 Apr 2006	Medical procedure	Blood collected from left ear for serum storage for prolactin study.
7 Apr 2006	Aggression	Showed aggression towards keepers before blood draw. First time elephant manager was not present at blood draw.
8 Apr 2006	Foot management	Koppertox applied to crack on nail of rear left foot.
9 Apr 2006	Foot management	Koppertox applied to crack on nail of rear left foot.
10 Apr 2006	Foot management	Koppertox applied to crack on nail of rear left foot.
11 Apr 2006	Foot management	Koppertox applied to crack on nail of rear left foot.
12 Apr 2006	Foot management	Koppertox applied to crack on nail of rear left foot.
14 Apr 2006	Medical procedure	Blood collected from left ear for serum storage for prolactin study.
15 Apr 2006	Foot management	Koppertox applied to crack on nail of rear left foot.
16 Apr 2006	Foot management	Koppertox applied to crack on nail of rear left foot.
18 Apr 2006	Foot management	Footwork done on both rear feet. Koppertox applied to crack on nail of rear left foot.
19 Apr 2006	Foot management	Koppertox applied to crack on nail of rear left foot.
21 Apr 2006	Medical procedure	Blood collected from left ear for serum storage for prolactin study.
23 Apr 2006	Foot management	Koppertox applied to crack on nail of rear left foot.
24 Apr 2006	Foot management	Koppertox applied to crack on nail of rear left foot.
24 Apr 2006	Aggression	Showed aggression to keepers at end of day.
27 Apr 2006	Foot management	Koppertox applied to crack on nail of rear left foot.
28 Apr 2006	Medical procedure	Blood collected from left ear for serum storage for prolactin study.
28 Apr 2006	Aggression	Showed aggression towards keeper in afternoon at top of yard.
30 Apr 2006	Foot management	Koppertox applied to crack on nail of rear left foot.
3 May 2006	Foot management	Koppertox applied to crack on nail of rear left foot.
4 May 2006	Aggression	Showed aggression to keepers at end of day.
5 May 2006	Foot management	Koppertox applied to all nails for cracks.
7 May 2006	Medical procedure	Blood collected from left ear for serum storage for prolactin study.
7 May 2006	Foot management	Footwork done on both rear feet.
8 May 2006	Foot management	Koppertox applied to crack on nail of rear left foot.
10 May 2006	Foot management	Koppertox applied to crack on nail of rear left foot. Crack is starting to heal.
11 May 2006	Foot management	Koppertox applied to crack on nail of rear left foot.
12 May 2006	Foot management	Koppertox applied to crack on nail of rear left foot.
13 May 2006	Foot management	Koppertox applied to crack on nail of rear left foot.
13 May 2006	Medical procedure	Blood collected from left ear for serum storage for prolactin study.
14 May 2006	Foot management	Koppertox applied to crack on nail of rear left foot.
15 May 2006	Foot management	Koppertox applied to crack on nail of rear left foot.
17 May 2006	Foot management	Koppertox applied to crack on nail of rear left foot. Crack is becoming larger.



19 May 2006	Medical procedure	First of 3 trunk washes for TB test, stored in freezer.
19 May 2006	Medical procedure	Blood collected from left ear for serum storage for prolactin study.
20 May 2006	Medical procedure	Second trunk wash for TB test, stored in freezer.
21 May 2006	Medical procedure	Third trunk wash for TB test, stored in freezer.
24 May 2006	Foot management	Koppertox applied to crack on nail of rear left foot.
24 May 2006	Medical note	TB test sent to NVSL Aimes, Iowa.
26 May 2006	Medical procedure	Blood collected from left ear for serum storage for prolactin study.
26 May 2006	Foot management	Koppertox applied to crack on nail of rear left foot.
28 May 2006	Foot management	Koppertox applied to crack on nail of rear left foot.
29 May 2006	Foot management	Footwork done on both rear feet.
1 Jun 2006	Foot management	Koppertox applied to crack on nail of rear left foot.
2 Jun 2006	Foot management	Koppertox applied to crack on nail of rear left foot.
3 Jun 2006	Medical procedure	Blood collected from left ear for serum storage for prolactin study.
5 Jun 2006	Foot management	Footwork done on both rear feet.
6 Jun 2006	Medical note	Found 6" section of tooth from upper right side in barn in a.m.
9 Jun 2006	Medical procedure	Blood collected from left ear for serum storage for prolactin study.
10 Jun 2006	Foot management	Koppertox applied to crack on nail of rear left foot.
11 Jun 2006	Medical note	Found 2" section of tooth in barn in a.m.
12 Jun 2006	Foot management	Koppertox applied to crack on nail of rear left foot.
16 Jun 2006	Foot management	Koppertox applied to all nails.
17 Jun 2006	Foot management	Koppertox applied to all nails.
18 Jun 2006	Medical procedure	Blood collected from left ear for serum storage for prolactin study.
19 Jun 2006	Foot management	Footwork done and Koppertox applied to both rear feet.
22 Jun 2006	Foot management	Koppertox applied to both rear feet.
23 Jun 2006	Medical procedure	Blood collected from left ear for serum storage for prolactin study.
25 Jun 2006	Foot management	Koppertox applied to crack on nail of rear left foot.
30 Jun 2006	Medical procedure	Blood collected from left ear for serum storage for prolactin study.
2 Jul 2006	Foot management	Footwork done on both front feet.
7 Jul 2006	Medical procedure	Blood collected from left ear for serum storage for prolactin study.
8 Jul 2006	Foot management	Footwork done on both rear feet and front right foot.
10 Jul 2006	Foot management	Cuticle work done on both rear feet.
10 Jul 2006	Fecal check/worming	Bi-annual(2): Negative.
21 Jul 2006	Behavior note	Acting very uneasy in yard. Construction began in yard and around barn on 7/18.
22 Jul 2006	Behavior note	Behavior more normal today.
24 Jul 2006	Foot management	Footwork done on both rear feet.
25 Jul 2006	Medical diagnosis	TB results came back negative.
28 Jul 2006	Medical procedure	Blood collected from right ear for serum storage for prolactin study.
4 Aug 2006	Medical procedure	Blood collected from right ear for serum storage for prolactin study.
9 Aug 2006	Foot management	Footwork done on all nails and cuticles.
11 Aug 2006	Foot management	Koppertox applied to all nails.
12 Aug 2006	Medical procedure	Blood collected from left ear for serum storage for prolactin study.
12 Aug 2006	Foot management	Koppertox applied to all nails.
13 Aug 2006	Foot management	Koppertox applied to all nails.
16 Aug 2006	Foot management	Koppertox applied to all nails.
18 Aug 2006	Medical procedure	Blood collected from left ear for serum storage for prolactin study.
19 Aug 2006	Foot management	Footwork done on both rear feet.
20 Aug 2006	Aggression	Aggression shown towards keeper at end of day.



22 Aug 2006	Animal management note	XFA019 placed in barn with her. Seems nervous.
23 Aug 2006	Medical observation	Slipped at edge of pool, favoring front left leg.
24 Aug 2006	Medical observation	Still favoring left front leg.
26 Aug 2006	Behavior note	No problems observed with XFA019.
28 Aug 2006	Medical observation	Still favoring left front leg.
30 Aug 2006	Medical observation	Using left front leg normally.
2 Sep 2006	Medical procedure	Blood collected from left ear for serum storage for prolactin study.
2 Sep 2006	Foot management	Koppertox applied to crack on nail of rear left foot.
6 Sep 2006	Foot management	Koppertox applied to crack on nail of rear left foot.
17 Sep 2006	Foot management	Koppertox applied to crack on nail of rear left foot.
23 Sep 2006	Medical procedure	Blood collected from left ear for serum storage for prolactin study.
24 Sep 2006	Foot management	Koppertox applied to crack on nail of rear left foot.
30 Sep 2006	Medical procedure	Blood collected from right ear for serum storage for prolactin study.
7 Oct 2006	Foot management	Koppertox applied to all nails.
8 Oct 2006	Medical procedure	Blood collected from right ear for serum storage for prolactin study.
15 Oct 2006	Medical procedure	Blood collected from right ear for serum storage for prolactin study.
21 Oct 2006	Foot management	Footwork done on both rear feet.
22 Oct 2006	Medical procedure	Blood collected from left ear for serum storage for prolactin study.
22 Oct 2006	Foot management	Footwork done on both front feet. Koppertox applied to all nails.
22 Oct 2006	Medical treatment	Aquaphor ointment applied to inside lower ears to prevent chapping & bleeding.
28 Oct 2006	Medical procedure	Blood collected from left ear for serum storage for prolactin study.
12 Nov 2006	Medical procedure	Blood collected from left ear for serum storage for prolactin study.
25 Nov 2006	Medical procedure	Blood collected from left ear for serum storage for prolactin study.
2 Dec 2006	Medical procedure	Blood collected from left ear for serum storage for prolactin study.
9 Dec 2006	Medical procedure	Blood collected from left ear for serum storage for prolactin study.
16 Dec 2006	Medical procedure	Blood collected from left ear for serum storage for prolactin study.
16 Dec 2006	Foot management	Footwork done on both rear feet.
17 Dec 2006	Foot management	Koppertox applied to crack on nail of rear left foot.
20 Dec 2006	Foot management	Koppertox applied to crack on nail of rear left foot.
24 Dec 2006	Medical procedure	Blood collected from left ear for serum storage for prolactin study.
27 Dec 2006	Foot management	Koppertox applied to crack on nail of rear left foot.
31 Dec 2006	Medical procedure	Blood collected from left ear for serum storage for prolactin study.
8 Jan 2007	Medical procedure	Blood collected from left ear for serum storage for prolactin study.
8 Jan 2007	Foot management	Koppertox applied to crack on center nail of rear left foot.
15 Jan 2007	Medical procedure	Blood collected from left ear for serum storage for prolactin study.
15 Jan 2007	Foot management	Koppertox applied to crack on center nail of rear left foot.
19 Jan 2007	Foot management	Footwork done on all feet.
20 Jan 2007	Fecal check/worming	Bi-annual(1): Negative.
22 Jan 2007	Medical procedure	Blood collected from left ear for serum storage for prolactin study.
30 Jan 2007	Medical procedure	Blood collected from left ear for serum storage for prolactin study.
2 Feb 2007	Note	Abrasions on both may be due to interactions between bars of stall.
		This comment was added to the following specimens: 880002, XFA019.
2 Feb 2007	Medical observation	Abrasion on underside of trunk.
4 Feb 2007	Aggression	Both charging bars in stall in am. and locking tusks. Bird initiated encounter.
		This comment was added to the following specimens: XFA019, 880002.
4 Feb 2007	Medical observation	Blood on left tusk.



6 Feb 2007	Medical observation	All abrasions healing well, applied neosporing. Applied aquaphor to raw spots on ears.
8 Feb 2007	Foot management	Koppertox applied to crack on center nail of rear left foot.
9 Feb 2007	Behavior note	Both went in mud yard together, no problems.
		This comment was added to the following specimens: 880002, XFA019.
12 Feb 2007	Foot management	Koppertox applied to all nails, footwork done on all feet.
12 Feb 2007	Medical observation	Abrasion at left tusk secreting puss. Flush with peroxide BID UFN.
15 Feb 2007	Medical treatment	Changed from flushing tusk with peroxide to nolvasan BID UFN per Dr. Hovis.
16 Feb 2007	Foot management	Koppertox applied to crack on center nail of rear left foot.
18 Feb 2007	Foot management	Koppertox applied to crack on center nail of rear left foot.
19 Feb 2007	Foot management	Koppertox applied to crack on center nail of rear left foot.
20 Feb 2007	Medical procedure	Blood collected for diagnostic CBC, sent to Antech.
21 Feb 2007	Foot management	Koppertox applied to crack on center nail of rear left foot.
22 Feb 2007	Foot management	Koppertox applied to crack on center nail of rear left foot.
23 Feb 2007	Medical observation	Cut at left tusk healing well, no puss. Discontinued flush with nolvasan.
23 Feb 2007	Aggression	In afternoon while cleaning yard free contact, Joni lifted head at keeper who then fell down into the moat.
25 Feb 2007	Aggression	While at top of yard in a.m. started running back and forth, kicking at chains and trumpeting.
28 Feb 2007	Foot management	Koppertox applied to crack on center nail of rear left foot.
3 Mar 2007	Foot management	Koppertox applied to crack on center nail of rear left foot.
5 Mar 2007	Aggression	Lifted head towards keeper.
9 Mar 2007	Foot management	Koppertox applied to crack on center nail of rear left foot and outside nail on rear right foot.
13 Mar 2007	Foot management	Footwork done on both rear feet.
15 Mar 2007	Foot management	Koppertox applied to cracks on outside nails on both rear feet.
23 Mar 2007	Foot management	Koppertox applied to crack on center nail of rear left foot and outside nail on rear right foot.
24 Mar 2007	Aggression	Continue to ram bars in stall daily in a.m.
		This comment was added to the following specimens: 880002, XFA019.
28 Mar 2007	Foot management	Koppertox applied to crack on center nail of rear left foot.
5 Apr 2007	Foot management	Koppertox applied to crack on center nail of rear left foot.
11 Jul 2007	Fecal check/worming	Bi-annual(2): Negative.

Medical History Report - Summary for Individual Specimen
GREENVILLE ZOO

LOXODONTA AFRICANA (no subsp) Sex: Female Acc. #: 880002
African elephant Age: 38Y Est. Birth: 12.Jan.1970
Name: JONI

.....2005...

Clinical note recorded. (SNP)

25.May Clinical note recorded. (SNP)

26.May Blood sample: (9:00.0) Chemistry results.
Clinical note recorded. (SNP)

2.Jun Clinical note recorded. (CLP)

8.Jun Clinical note recorded. (SNP)

9.Jun Clinical note recorded. (SNP)

10.Jun Clinical note recorded. (SNP)

16.Jun Blood sample: (EDTA) (9:00.0) Hematology/Chemistry/Serology results.

Printed on: 10.Dec.2007

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Medical History Report - Summary for Individual Specimen
GREENVILLE ZOO

LOXODONTA AFRICANA (no subsp) Sex: Female Acc. #: 880002
African elephant Age: 38Y Est. Birth: 12.Jan.1970
Name: JONI

.....2005...

16.Jun WBC:9.10 *10³/UL; HCT: 30.9%; BUN:15 MG/DL;
Fluid sample analysis results: (9:30.0)

Clinical note recorded. (SNP)

23.Jun Clinical note recorded. (SNP)

29.Jun Weight: 3721 Kg (8201 Lb)

30.Jun Clinical note recorded. (SNP)

6.Jul Clinical note recorded. (CLP)

Clinical note recorded. (SNP)

13.Jul Clinical note recorded. (SNP)

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

15.Jul Clinical note recorded. (SNP)

20.Jul Clinical note recorded. (SNP)

27.Jul Clinical note recorded. (SNP)

31.Jul Clinical note recorded. (SNP)

3.Aug Clinical note recorded. (CLP)

Clinical note recorded. (SNP)

10.Aug Clinical note recorded. (SNP)

17.Aug Clinical note recorded. (SNP)

23.Aug Clinical note recorded. (SNP)

24.Aug Clinical note recorded. (SNP)

31.Aug Blood sample: (EDTA) (9:30.0) Hematology/Chemistry/Serology results.

WBC:7.80 *10³/UL; HCT: 46.4%; BUN:9 MG/DL;

Clinical note recorded. (SNP)

Weight: 3721 Kg (8201 Lb)

7.Sep Clinical note recorded. (CLP)

Clinical note recorded. (SNP)

17.Sep Clinical note recorded. (SNP)

21.Sep Clinical note recorded. (SNP)

28.Sep Clinical note recorded. (SNP)

1.Oct Clinical note recorded. (CLP)

Clinical note recorded. (SNP)

3.Oct Clinical note recorded. (SNP)

12.Oct Clinical note recorded. (SNP)

15.Oct Clinical note recorded. (SNP)

16.Oct Clinical note recorded. (SNP)

17.Oct Clinical note recorded. (SNP)

18.Oct Clinical note recorded. (SNP)

19.Oct Clinical note recorded. (SNP)

20.Oct Clinical note recorded. (SNP)

Printed on: 10.Dec.2007

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Medical History Report - Summary for Individual Specimen

GREENVILLE ZOO

LOXODONTA AFRICANA (no subsp)	Sex: Female	Acc. #: 880002
African elephant	Age: 38Y Est.	Birth: 12.Jan.1970
Name: JONI		

.....2005...

23.Oct Clinical note recorded. (SNP)

24.Oct Clinical note recorded. (SNP)

25.Oct Clinical note recorded. (SNP)

26.Oct Clinical note recorded. (SNP)

29.Oct Clinical note recorded. (SNP)

30.Oct Clinical note recorded. (SNP)

1.Nov Clinical note recorded. (SNP)

5.Nov Clinical note recorded. (SNP)

6.Nov Clinical note recorded. (SNP)

7.Nov Clinical note recorded. (SNP)

8.Nov Clinical note recorded. (SNP)

9.Nov Clinical note recorded. (CLP)

Clinical note recorded. (SNP)

12.Nov Clinical note recorded. (SNP)

13.Nov Clinical note recorded. (SNP)

16.Nov Clinical note recorded. (SNP)

20.Nov Clinical note recorded. (SNP)

23.Nov Clinical note recorded. (SNP)

27.Nov Clinical note recorded. (SNP)

29.Nov Clinical note recorded. (SNP)

4.Dec Clinical note recorded. (SNP)

6.Dec Clinical note recorded. (SNP)
7.Dec Clinical note recorded. (CLP)
Clinical note recorded. (SNP)
8.Dec Clinical note recorded. (SNP)
10.Dec Clinical note recorded. (SNP)
21.Dec Clinical note recorded. (SNP)
22.Dec Clinical note recorded. (SNP)
28.Dec Clinical note recorded. (SNP)

.....2006...

4.Jan Clinical note recorded. (CLP)
10.Jan Clinical note recorded. (SNP)
13.Jan Clinical note recorded. (SNP)
17.Jan Parasitology examination: (ROUTINE EXAMINATION) Fecal sample.
NO PARASITES SEEN
Clinical note recorded. (SNP)
23.Jan Clinical note recorded. (SNP)

3.Feb Clinical note recorded. (CLP)
Clinical note recorded. (SNP)

Printed on: 10.Dec.2007

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Medical History Report - Summary for Individual Specimen
GREENVILLE ZOO

LOXODONTA AFRICANA (no subsp)	Sex: Female	Acc. #: 880002
African elephant	Age: 38Y Est.	Birth: 12.Jan.1970
Name: JONI		

.....2006...

4.Feb Clinical note recorded. (SNP)
18.Feb Clinical note recorded. (SNP)
22.Feb Clinical note recorded. (SNP)
24.Feb Clinical note recorded. (SNP)
25.Feb Clinical note recorded. (SNP)
26.Feb Clinical note recorded. (SNP)
28.Feb Clinical note recorded. (SNP)

2.Mar Clinical note recorded. (SNP)
3.Mar Clinical note recorded. (CLP)
Clinical note recorded. (SNP)
4.Mar Clinical note recorded. (SNP)
5.Mar Clinical note recorded. (SNP)
7.Mar Clinical note recorded. (SNP)
8.Mar Clinical note recorded. (SNP)
9.Mar Clinical note recorded. (SNP)
10.Mar Clinical note recorded. (SNP)
11.Mar Clinical note recorded. (SNP)
15.Mar Clinical note recorded. (SNP)
16.Mar Clinical note recorded. (SNP)
17.Mar Clinical note recorded. (SNP)
18.Mar Clinical note recorded. (SNP)
19.Mar Clinical note recorded. (SNP)

22.Mar Clinical note recorded. (SNP)
23.Mar Clinical note recorded. (SNP)
24.Mar Clinical note recorded. (SNP)
25.Mar Clinical note recorded. (SNP)
26.Mar Clinical note recorded. (SNP)
28.Mar Clinical note recorded. (SNP)
29.Mar Clinical note recorded. (SNP)
30.Mar Clinical note recorded. (SNP)
31.Mar Clinical note recorded. (SNP)

2.Apr Clinical note recorded. (SNP)
6.Apr Clinical note recorded. (SNP)
7.Apr Clinical note recorded. (CLP)
Clinical note recorded. (SNP)
8.Apr Clinical note recorded. (SNP)
9.Apr Clinical note recorded. (SNP)
10.Apr Clinical note recorded. (SNP)
11.Apr Clinical note recorded. (SNP)
12.Apr Clinical note recorded. (SNP)
14.Apr Clinical note recorded. (SNP)
15.Apr Clinical note recorded. (SNP)

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Medical History Report - Summary for Individual Specimen
GREENVILLE ZOO

LOXODONTA AFRICANA (no subsp)	Sex: Female	Acc. #: 880002
African elephant	Age: 38Y Est.	Birth: 12.Jan.1970
Name: JONI		

.....2006...

16.Apr Clinical note recorded. (SNP)
18.Apr Clinical note recorded. (SNP)
19.Apr Clinical note recorded. (SNP)
21.Apr Clinical note recorded. (SNP)
23.Apr Clinical note recorded. (SNP)
24.Apr Clinical note recorded. (SNP)
27.Apr Clinical note recorded. (SNP)
28.Apr Clinical note recorded. (SNP)
30.Apr Clinical note recorded. (SNP)

3.May Clinical note recorded. (SNP)
5.May Clinical note recorded. (SNP)
6.May Clinical note recorded. (SNP)
7.May Clinical note recorded. (SNP)
8.May Clinical note recorded. (SNP)
10.May Clinical note recorded. (SNP)
11.May Clinical note recorded. (SNP)
12.May Clinical note recorded. (SNP)
13.May Clinical note recorded. (SNP)
14.May Clinical note recorded. (SNP)
15.May Clinical note recorded. (SNP)
17.May Clinical note recorded. (SNP)
19.May Clinical note recorded. (SNP)

20.May Clinical note recorded. (SNP)
21.May Clinical note recorded. (SNP)
24.May Clinical note recorded. (SNP)
26.May Clinical note recorded. (SNP)
28.May Clinical note recorded. (SNP)
29.May Clinical note recorded. (SNP)

1.Jun Clinical note recorded. (SNP)
2.Jun Clinical note recorded. (SNP)
3.Jun Clinical note recorded. (SNP)
6.Jun Clinical note recorded. (SNP)
9.Jun Clinical note recorded. (SNP)
10.Jun Clinical note recorded. (SNP)
11.Jun Clinical note recorded. (SNP)
12.Jun Clinical note recorded. (SNP)
16.Jun Clinical note recorded. (SNP)
17.Jun Clinical note recorded. (SNP)
18.Jun Clinical note recorded. (SNP)
19.Jun Clinical note recorded. (SNP)
22.Jun Clinical note recorded. (SNP)
23.Jun Clinical note recorded. (SNP)

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Medical History Report - Summary for Individual Specimen
GREENVILLE ZOO

LOXODONTA AFRICANA (no subsp)	Sex: Female	Acc. #: 880002
African elephant	Age: 38Y Est.	Birth: 12.Jan.1970
Name: JONI		

.....2006...

25.Jun Clinical note recorded. (SNP)
28.Jun Weight: 3766 Kg (8300 Lb)
30.Jun Clinical note recorded. (SNP)

2.Jul Clinical note recorded. (SNP)
7.Jul Clinical note recorded. (SNP)
8.Jul Clinical note recorded. (SNP)
10.Jul Clinical note recorded. (SNP)
12.Jul Parasitology examination: (ROUTINE EXAMINATION) Fecal sample.
NO PARASITES SEEN
21.Jul Clinical note recorded. (SNP)
24.Jul Clinical note recorded. (SNP)
25.Jul Clinical note recorded. (SNP)
28.Jul Clinical note recorded. (SNP)

4.Aug Clinical note recorded. (SNP)
9.Aug Clinical note recorded. (CLP)
11.Aug Clinical note recorded. (CLP)
12.Aug Clinical note recorded. (CLP)
13.Aug Clinical note recorded. (CLP)
16.Aug Clinical note recorded. (CLP)
18.Aug Clinical note recorded. (CLP)
19.Aug Clinical note recorded. (CLP)

23.Aug Clinical note recorded. (CLP)
24.Aug Clinical note recorded. (CLP)
25.Aug Clinical note recorded. (CLP)
26.Aug Clinical note recorded. (CLP)
28.Aug Clinical note recorded. (CLP)
30.Aug Clinical note recorded. (CLP)

2.Sep Clinical note recorded. (CLP)
6.Sep Clinical note recorded. (CLP)
16.Sep Clinical note recorded. (CLP)
17.Sep Clinical note recorded. (CLP)
23.Sep Clinical note recorded. (CLP)
24.Sep Clinical note recorded. (CLP)
30.Sep Clinical note recorded. (CLP)

7.Oct Clinical note recorded. (CLP)
8.Oct Clinical note recorded. (CLP)
15.Oct Clinical note recorded. (CLP)
21.Oct Clinical note recorded. (CLP)
22.Oct Clinical note recorded. (CLP)
28.Oct Clinical note recorded. (CLP)

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Medical History Report - Summary for Individual Specimen
GREENVILLE ZOO

LOXODONTA AFRICANA (no subsp)	Sex: Female	Acc. #: 880002
African elephant	Age: 38Y Est.	Birth: 12.Jan.1970
Name: JONI		

.....2006...

12.Nov Clinical note recorded. (CLP)
25.Nov Clinical note recorded. (CLP)

1.Dec Clinical note recorded. (CLP)
2.Dec Clinical note recorded. (CLP)
9.Dec Clinical note recorded. (CLP)
16.Dec Clinical note recorded. (CLP)
17.Dec Clinical note recorded. (CLP)
20.Dec Clinical note recorded. (CLP)
24.Dec Clinical note recorded. (CLP)
27.Dec Clinical note recorded. (CLP)
31.Dec Clinical note recorded. (CLP)

.....2007...

8.Jan Clinical note recorded. (CLP)
15.Jan Clinical note recorded. (CLP)
19.Jan Clinical note recorded. (CLP)
21.Jan Parasitology examination: (ROUTINE EXAMINATION) Fecal sample.
NO PARASITES SEEN
22.Jan Clinical note recorded. (CLP)
30.Jan Clinical note recorded. (CLP)

- 2.Feb Clinical note recorded. (CLP)
- 4.Feb Clinical note recorded. (CLP)
- 6.Feb Clinical note recorded. (CLP)
- 8.Feb Clinical note recorded. (CLP)
- 12.Feb Clinical note recorded. (CLP)
- 13.Feb Clinical note recorded. (CLP)
- 14.Feb Clinical note recorded. (CLP)
- 15.Feb Clinical note recorded. (CLP)
- 16.Feb Clinical note recorded. (CLP)
- 17.Feb Clinical note recorded. (CLP)
- 18.Feb Clinical note recorded. (CLP)
- 19.Feb Clinical note recorded. (CLP)
- 20.Feb Blood sample: (EDTA) (9:30.0) Hematology/Chemistry/Serology results.
WBC:9.40 *10³/UL; HCT: 30.3%; BUN:12 MG/DL;
Hemolysis
Clinical note recorded. (CLP)
- 21.Feb Clinical note recorded. (CLP)
- 22.Feb Clinical note recorded. (CLP)
- 23.Feb Clinical note recorded. (CLP)
- 24.Feb Clinical note recorded. (CLP)
- 25.Feb Clinical note recorded. (CLP)

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Medical History Report - Summary for Individual Specimen
GREENVILLE ZOO

LOXODONTA AFRICANA (no subsp)	Sex: Female	Acc. #: 880002
African elephant	Age: 38Y Est.	Birth: 12.Jan.1970
Name: JONI		

.....2007...

- 26.Feb Clinical note recorded. (CLP)
- 27.Feb Clinical note recorded. (CLP)
- 28.Feb Clinical note recorded. (CLP)

- 2.Mar Clinical note recorded. (CLP)
- 3.Mar Clinical note recorded. (CLP)
- 7.Mar Clinical note recorded. (CLP)
- 9.Mar Clinical note recorded. (CLP)
- 13.Mar Clinical note recorded. (CLP)
- 15.Mar Clinical note recorded. (CLP)
- 23.Mar Clinical note recorded. (CLP)
- 28.Mar Clinical note recorded. (CLP)

- 5.Apr Clinical note recorded. (CLP)
- 14.Apr Clinical note recorded. (CLP)
- 15.Apr Clinical note recorded. (CLP)
- 16.Apr Blood sample: (EDTA) (14:00.0) Hematology/Chemistry/Serology results.
WBC:5.60 *10³/UL; HCT: 32.1%; BUN:12 MG/DL;
Hemolysis
Clinical note recorded. (CLP)
- 17.Apr Clinical note recorded. (CLP)
- 18.Apr Clinical note recorded. (CLP)
- 19.Apr Clinical note recorded. (CLP)

20.Apr Clinical note recorded. (CLP)
21.Apr Clinical note recorded. (CLP)
22.Apr Clinical note recorded. (CLP)
23.Apr Clinical note recorded. (CLP)
24.Apr Clinical note recorded. (CLP)
25.Apr Clinical note recorded. (CLP)
26.Apr Clinical note recorded. (CLP)
27.Apr Clinical note recorded. (CLP)
28.Apr Clinical note recorded. (CLP)

8.May Clinical note recorded. (CLP)
10.May Clinical note recorded. (CLP)
11.May Clinical note recorded. (CLP)
27.May Clinical note recorded. (CLP)
31.May Clinical note recorded. (CLP)

1.Jun Fluid sample analysis results: (16:30.0)

Purpose/Problem: Eye Injury

Rx: MICONAZOLE NITRATE 0.25in subconjunctivally TID for 7 days.

OXYTETRACYCLINE HYDROCHLORIDE 1.0cm subconjunctivally TID for 12 days. (.000 cm/kg)

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Medical History Report - Summary for Individual Specimen
GREENVILLE ZOO

LOXODONTA AFRICANA (no subsp)	Sex: Female	Acc. #: 880002
African elephant	Age: 38Y Est.	Birth: 12.Jan.1970
Name: JONI		

.....2007...

1.Jun Clinical note recorded. (CLP)
Clinical note recorded. (HCM)

2.Jun Clinical note recorded. (CLP)

3.Jun Clinical note recorded. (CLP)

4.Jun Purpose/Problem: Corneal edema, keratitis

Rx: CIPROFLOXACIN OPHTHALMIC SOLUTION 0.7000mg subconjunctivally TID for 16 days. (.186 mcg/kg)

Clinical note recorded. (CLP)

Clinical note recorded. (HCM)

5.Jun Clinical note recorded. (CLP)

6.Jun Clinical note recorded. (CLP)

9.Jun Clinical note recorded. (CLP)

10.Jun Clinical note recorded. (CLP)

11.Jun Clinical note recorded. (CLP)

12.Jun Clinical note recorded. (CLP)

13.Jun Purpose/Problem: Corneal edema, keratitis

Rx: OXYTETRACYCLINE HYDROCHLORIDE 1.0cm subconjunctivally TID for 7 days. (.000 cm/kg)

Clinical note recorded. (CLP)

Clinical note recorded. (HCM)

14.Jun Clinical note recorded. (CLP)

15.Jun Blood sample: (EDTA) (9:40.0) Hematology/Chemistry/Serology results.

WBC:10.10 *10³/UL; HCT: 36.9%; BUN:12 MG/DL;
Urine sample analysis results: (16:30.0)
Parasitology examination: (ROUTINE EXAMINATION) Fecal sample.
NO PARASITES SEEN

Clinical note recorded. (CLP)

17.Jun Clinical note recorded. (CLP)
19.Jun Clinical note recorded. (CLP)
20.Jun Clinical note recorded. (CLP)
21.Jun Clinical note recorded. (CLP)
22.Jun Clinical note recorded. (CLP)
25.Jun Clinical note recorded. (CLP)

5.Jul Clinical note recorded. (CLP)

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

Clinical note recorded. (CLP)

10.Jul Clinical note recorded. (CLP)
11.Jul Clinical note recorded. (CLP)
12.Jul Clinical note recorded. (CLP)
16.Jul Clinical note recorded. (CLP)
17.Jul Clinical note recorded. (CLP)

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Medical History Report - Summary for Individual Specimen
GREENVILLE ZOO

LOXODONTA AFRICANA (no subsp)	Sex: Female	Acc. #: 880002
African elephant	Age: 38Y Est.	Birth: 12.Jan.1970
Name: JONI		

.....2007...

19.Jul Clinical note recorded. (CLP)

4.Aug Purpose/Problem: Conjunctivitis

Rx: CIPROFLOXACIN OPHTHALMIC SOLUTION 0.7000mg subconjunctivally TID
for 10 days.

Clinical note recorded. (CLP)

Clinical note recorded. (JSH)

7.Aug Clinical note recorded. (CLP)

23.Aug Clinical note recorded. (CLP)

1.Oct Blood sample: (EDTA) (9:30.0) Hematology/Chemistry/Serology results.

WBC:10.90 *10³/UL; HCT: 36.5%; BUN:17 MG/DL;

Hemolysis

Purpose/Problem: Corneal edema and Conjunctivitis

Rx: OXYTETRACYCLINE HYDROCHLORIDE 0.25in subconjunctivally TID for 4
doses. (.000 in/kg)

Clinical note recorded. (HCM)

Weight: 3630 Kg (8001 Lb)

2.Oct Clinical note recorded. (CLP)

9.Oct Clinical note recorded. (CLP)

16.Oct Fluid sample analysis results:

30.Oct Clinical note recorded. (CLP)

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Clinical Pathology Records - Specimen Report
GREENVILLE ZOO

LOXODONTA AFRICANA (no subsp)	Sex: Female	Acc. #: 880002
African elephant	Age: 38Y Est.	Birth: 12.Jan.1970
Name: JONI		

Clinical Note: 26.May.2005
Blood sample collected - serum for prolactin study. (SNP)

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Clinical Pathology Records - Specimen Report
GREENVILLE ZOO

LOXODONTA AFRICANA (no subsp)	Sex: Female	Acc. #: 880002
African elephant	Age: 38Y Est.	Birth: 12.Jan.1970
Name: JONI		

Collection Information >>
Health Status: Normal

Date of Collection: 26.May.2005
Time of Collection: 9:00.0

Fasting Time: < 8 hours
Activity: Calm
Weight: 3562 Kg on 22.Sep.2004
Manual restraint used.

Collected by: JR
Sample Collection Site: EAR VEIN

Chemistry >>

Analysis Information >>

Chemistry Sample: Serum

Storage: Frozen

Sample Quality: No quality problems.

Laboratory:

Date of Analysis: 26.May.2005

Time of Analysis:

Analysis by:
Automated analysis.

Tests and Results >>

GLUCOSE ' MG/DL

Comments >>

Serum stored for prolactin testing.

ISIS reference values are for LOXODONTA AFRICANA

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LOXODONTA AFRICANA (no subsp) Sex: Female Acc. #: 880002
African elephant Age: 38Y Est. Birth: 12.Jan.1970
Name: JONI

Clinical Note:

2.Jun.2005

P4 (ng/ml) Prl (ng/ml)
6/2 0.05 6.66

6/9 0.05 5.47
6/16 0.05 5.17
6/23 0.05 6.3
6/30 0.05 5.66 (CLP)

Clinical Note: 8.Jun.2005
First trunk wash collected for Tb testing. (SNP)

Clinical Note: 9.Jun.2005
Second trunk wash collected for Tb testing. (SNP)

Clinical Note: 10.Jun.2005
Third trunk wash collected for Tb testing. (SNP)

Clinical Note: 16.Jun.2005
Trunk wash samples sent to NVSL, Ames, Iowa.
Blood sample collected - EDTA and serum for annual bloodwork & storage.
Serum stored for prolactin testing.
Microbiology: Fecal swab submitted for enteric pathogen screen, sent to Antech. (SNP)

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Clinical Pathology Records - Specimen Report
GREENVILLE ZOO

LOXODONTA AFRICANA (no subsp) Sex: Female Acc. #: 880002
African elephant Age: 38Y Est. Birth: 12.Jan.1970
Name: JONI

Collection Information >>
Health Status: Normal

Date of Collection: 16.Jun.2005
Time of Collection: 9:00.0

Fasting Time: 8-24 hours
Activity: Calm
Weight: 3562 Kg on 22.Sep.2004
Manual restraint used.

Collected by: JR
Sample Collection Site: EAR VEIN

Hematology >>

Analysis Information >> Laboratory: ANTECH
Anticoagulant: EDTA Date of Analysis: 17.Jun.2005
Storage: Refrigerated (<48 hours) Time of Analysis:
Sample Quality: No quality problems. Analysis by:
Automated analysis.

Tests and Results >>

WHITE BLOOD CELL COUNT 9.1 *10³/UL
RED BLOOD CELL COUNT 3.10 *10⁶/UL
HEMOGLOBIN 13.9 GM/DL
HEMATOCRIT < 30.9 %
MCV << 99.7 fL
MCH 44.8 uug
MCHC >> 45.0 gm/dL
SEGMENTED NEUTROPHILS >> 2002 (182.2) % (*10³/UL)
NEUTROPHILIC BANDS < 0 % (*10³/UL)
LYMPHOCYTES >> 2093 (190.5) % (*10³/UL)
MONOCYTES >> 4914 (447.2) % (*10³/UL)
EOSINOPHILS 0 % (*10³/UL)
BASOPHILS >> 91 (8.281) % (*10³/UL)
PLATELET COUNT 297 *10³/UL

ISIS reference values are for LOXODONTA AFRICANA

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Clinical Pathology Records - Specimen Report
GREENVILLE ZOO

LOXODONTA AFRICANA (no subsp) Sex: Female Acc. #: 880002
African elephant Age: 38Y Est. Birth: 12.Jan.1970
Name: JONI

Collection Information >>
Health Status: Normal

Date of Collection: 16.Jun.2005
Time of Collection: 9:00.0

Fasting Time: 8-24 hours
Activity: Calm
Weight: 3562 Kg on 22.Sep.2004
Manual restraint used.

Collected by: JR
Sample Collection Site: EAR VEIN

Chemistry >>

Analysis Information >> Laboratory: ANTECH
Chemistry Sample: Serum Date of Analysis: 17.Jun.2005
Storage: Refrigerated (<48 hours) Time of Analysis:
Sample Quality: No quality problems. Analysis by:
Automated analysis.

Tests and Results >>

GLUCOSE	78	MG/DL
BLOOD UREA NITROGEN	> 15	MG/DL
CREATININE	1.4	MG/DL
BUN/creatinine ratio	10.7	
CALCIUM	11.0	MG/DL
PHOSPHORUS	5.4	MG/DL
calcium/phosphorus ratio	2.04	
SODIUM	128	MEQ/L
POTASSIUM	5.3	MEQ/L
sodium/potassium ratio	24.2	
CHLORIDE	88	MEQ/L
MAGNESIUM	2.5	MG/DL
CHOLESTEROL	79	MG/DL
TRIGLYCERIDE	49	MG/DL
TOTAL PROTEIN (COLORIMETRY)	> 8.5	GM/DL
ALBUMIN (COLORIMETRY)	3.3	GM/DL
GLOBULIN (COLORIMETRY)	>> 5.2	GM/DL
albumin/globulin ratio	0.635	
ASPARTATE AMINOTRANSFERASE	26	IU/L
ALANINE AMINOTRANSFERASE	<5	IU/L
TOTAL BILIRUBIN	0.2	MG/DL
AMYLASE	< 149	U/L
ALKALINE PHOSPHATASE	< 50	IU/L
CREATINE PHOSPHOKINASE	> 633	IU/L
OSMOLARITY	258	MOSMOL/L

ISIS reference values are for LOXODONTA AFRICANA

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Clinical Pathology Records - Specimen Report
GREENVILLE ZOO

LOXODONTA AFRICANA (no subsp)	Sex: Female	Acc. #: 880002
African elephant	Age: 38Y Est.	Birth: 12.Jan.1970
Name: JONI		

Collection Information >>
Health Status: Normal

Date of Collection: 16.Jun.2005
Time of Collection: 9:30.0

Collected by: JR

Sample Collection Site: RECTUM

Weight: 3562 Kg on 22.Sep.2004

Analysis Information >>

Sample type: Other

Storage: Refrigerated (<48 hours)

Sample Quality: No quality problems.

Laboratory: ANTECH

Date of Analysis: 23.Jun.2005

Time of Analysis:

Analysis by:

Automated analysis.

Comments >>

Culture & Sensitivity

No salmonella or Shingella species isolated.

No anaerobic bacteria isolated.

ISIS reference values are for LOXODONTA AFRICANA

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LOXODONTA AFRICANA (no subsp)	Sex: Female	Acc. #: 880002
African elephant	Age: 38Y Est.	Birth: 12.Jan.1970
Name: JONI		

Clinical Note:

23.Jun.2005

Blood sample taken - serum for prolactin study. (SNP)

Clinical Note: 30.Jun.2005
Blood sample taken - serum for prolactin study. (SNP)

Clinical Note: 6.Jul.2005
P4 (ng/ml) Prl (ng/ml)
7/6 0.49 4.83
7/15 0.19 5.16
7/20 0.15 5.43
7/27 0.08 5.20 (CLP)

Clinical Note: 6.Jul.2005
Blood sample taken - serum for prolactin study. (SNP)

Clinical Note: 13.Jul.2005
Blood sample taken - serum for prolactin study. (SNP)

Submission Data >> Sample id.: 2005-0441
Type: Fecal sample Date collected: 14.Jul.2005
Purpose: ROUTINE EXAMINATION Collected by: CD

Collected from: Enclosure: AFRICA
From an individual specimen.

Examination Data >>
Storage: room temperature Date examined: 14.Jul.2005
Consistency: Not specified
Gross appearance: Typical by: CD

Tests & Results >>
FLOATATION - ZINC SULFATE NO PARASITES SEEN

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LOXODONTA AFRICANA (no subsp) Sex: Female Acc. #: 880002
African elephant Age: 38Y Est. Birth: 12.Jan.1970
Name: JONI

Clinical Note: 15.Jul.2005
Dead tissue trimmed from around the inside nail on both hind feet. (SNP)

Clinical Note: 20.Jul.2005
Blood sample taken - serum for prolactin study. (SNP)

Clinical Note: 27.Jul.2005
Blood sample taken - serum for prolactin study. (SNP)

Clinical Note: 31.Jul.2005
Foot work done on both back feet. Cuticle work done on all four feet.
(SNP)

Clinical Note: 3.Aug.2005

P4 (ng/ml)	Prl (ng/ml)
8/3 0.05	7.89
8/10 0.05	5.60
8/17 0.05	5.48
8/24 0.10	4.80
8/31 0.07	5.91 (CLP)

Clinical Note: 3.Aug.2005
Blood sample taken - serum for prolactin study. (SNP)

Clinical Note: 10.Aug.2005
Blood sample taken - serum for prolactin study. (SNP)

Clinical Note: 17.Aug.2005
Blood sample taken - serum for prolactin study. (SNP)

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LOXODONTA AFRICANA (no subsp)	Sex: Female	Acc. #: 880002
African elephant	Age: 38Y Est.	Birth: 12.Jan.1970
Name: JONI		

Clinical Note: 23.Aug.2005
TB test results: From trunk washes done on 06/08/05, 06/09/05 &
06/10/05 -

Negative, No Mycobacteria isolation.
Reported by NVSL. (SNP)

Clinical Note: 24.Aug.2005
Blood sample taken - serum for prolactin study. (SNP)

Clinical Note: 31.Aug.2005
Blood sample taken - serum for prolactin study. (SNP)

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Clinical Pathology Records - Specimen Report
GREENVILLE ZOO

LOXODONTA AFRICANA (no subsp)	Sex: Female	Acc. #: 880002
African elephant	Age: 38Y Est.	Birth: 12.Jan.1970
Name: JONI		

Collection Information >>
Health Status: Normal

Date of Collection: 31.Aug.2005
Time of Collection: 9:30.0

Fasting Time: < 8 hours
Activity: Calm
Weight: 3721 Kg on 31.Aug.2005
Manual restraint used.

Collected by: JR
Sample Collection Site: EAR VEIN

Hematology >>

Analysis Information >> Laboratory: ANTECH
Anticoagulant: EDTA Date of Analysis: 31.Aug.2005
Storage: Fresh Time of Analysis:
Sample Quality: No quality problems. Analysis by:
Automated analysis.

Tests and Results >>

WHITE BLOOD CELL COUNT < 7.8 *10³/UL
RED BLOOD CELL COUNT 3.24 *10⁶/UL
HEMOGLOBIN 14.1 GM/DL
HEMATOCRIT > 46.4 %
MCV >> 143 fL
MCH 43.5 uug
MCHC << 30.4 gm/dL
SEGMENTED NEUTROPHILS >> 1638 (127.8) % (*10³/UL)
NEUTROPHILIC BANDS < 0 % (*10³/UL)
LYMPHOCYTES >> 2964 (231.2) % (*10³/UL)
MONOCYTES >> 3198 (249.4) % (*10³/UL)
EOSINOPHILS 0 % (*10³/UL)
BASOPHILS 0 % (*10³/UL)
PLATELET COUNT 364 *10³/UL

ISIS reference values are for LOXODONTA AFRICANA
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Clinical Pathology Records - Specimen Report
GREENVILLE ZOO

LOXODONTA AFRICANA (no subsp) Sex: Female Acc. #: 880002
African elephant Age: 38Y Est. Birth: 12.Jan.1970
Name: JONI

Collection Information >> Date of Collection: 31.Aug.2005
Health Status: Normal Time of Collection: 9:30.0

Fasting Time: < 8 hours

Collected by: JR

Activity: Calm

Sample Collection Site: EAR VEIN

Weight: 3721 Kg on 31.Aug.2005

Manual restraint used.

Chemistry >>

Analysis Information >>

Laboratory: ANTECH

Chemistry Sample: Serum

Date of Analysis: 31.Aug.2005

Storage: Fresh

Time of Analysis:

Sample Quality: No quality problems.

Analysis by:

Automated analysis.

Tests and Results >>

GLUCOSE	76	MG/DL
BLOOD UREA NITROGEN	9	MG/DL
CREATININE	1.5	MG/DL
BUN/creatinine ratio	6.00	
CALCIUM	11.0	MG/DL
PHOSPHORUS	> 5.9	MG/DL
calcium/phosphorus ratio	1.86	
SODIUM	126	MEQ/L
POTASSIUM	> 5.7	MEQ/L
sodium/potassium ratio	22.1	
CHLORIDE	85	MEQ/L
MAGNESIUM	2.1	MG/DL
CHOLESTEROL	80	MG/DL
TRIGLYCERIDE	39	MG/DL
TOTAL PROTEIN (COLORIMETRY)	7.7	GM/DL
ALBUMIN (COLORIMETRY)	< 3.1	GM/DL
GLOBULIN (COLORIMETRY)	4.6	GM/DL
albumin/globulin ratio	0.674	
ASPARTATE AMINOTRANSFERASE	19	IU/L
ALANINE AMINOTRANSFERASE	4	IU/L
TOTAL BILIRUBIN	0.1	MG/DL
AMYLASE >>	9350	U/L
ALKALINE PHOSPHATASE	< 33	IU/L
CREATINE PHOSPHOKINASE	> 566	IU/L
OSMOLARITY	< 252	MOSMOL/L

ISIS reference values are for LOXODONTA AFRICANA

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LOXODONTA AFRICANA (no subsp)	Sex: Female	Acc. #: 880002
African elephant	Age: 38Y Est.	Birth: 12.Jan.1970
Name: JONI		

Clinical Note:

7.Sep.2005

P4 (ng/ml)	Prl(ng/ml)
9/7 0.05	5.59

9/17 0.05 4.68
9/21 0.34 6.46
9/28 0.06 5.32 (CLP)

Clinical Note: 7.Sep.2005
Blood sample taken - serum for prolactin study. (SNP)

Clinical Note: 17.Sep.2005
Blood sample taken - serum for prolactin study. (SNP)

Clinical Note: 21.Sep.2005
Blood sample taken - serum for prolactin study. (SNP)

Clinical Note: 28.Sep.2005
Blood sample taken - serum for prolactin study. (SNP)

Clinical Note: 1.Oct.2005
P4(ng/ml) Prl (ng/ml)
10/1 0.21 5.16
10/12 0.05 4.61
10/19 0.13 5.99
10/26 0.13 5.49
10/29 0.10 5.86 (CLP)

Clinical Note: 1.Oct.2005
Blood sample taken - serum for prolactin study. (SNP)

Clinical Note: 3.Oct.2005
Dead tissue removed from left hind foot pad. (SNP)

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LOXODONTA AFRICANA (no subsp) Sex: Female Acc. #: 880002
African elephant Age: 38Y Est. Birth: 12.Jan.1970
Name: JONI

Clinical Note: 12.Oct.2005
Blood sample taken - serum for prolactin study. (SNP)

Clinical Note: 15.Oct.2005
Old dead tissue removed from all four feet. Koppertox applied to all nails on all four feet. (SNP)

Clinical Note: 16.Oct.2005
Old dead tissue removed from hind left foot pad. Koppertox applied to all nails on all four feet. (SNP)

Clinical Note: 17.Oct.2005
Koppertox applied to all nails on all four feet. (SNP)

Clinical Note: 18.Oct.2005
Old dead tissue removed from hind right foot pad. Koppertox applied to all nails on all four feet. (SNP)

Clinical Note: 19.Oct.2005
Old dead tissue removed from front right foot pad.
Blood sample taken - serum for prolactin study. (SNP)

Clinical Note: 20.Oct.2005
Koppertox applied to all nails on all four feet. (SNP)

Clinical Note: 23.Oct.2005
Koppertox applied to all nails on all four feet. (SNP)

Clinical Note: 24.Oct.2005
Koppertox applied to all nails on all four feet. (SNP)

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LOXODONTA AFRICANA (no subsp)	Sex: Female	Acc. #: 880002
African elephant	Age: 38Y Est.	Birth: 12.Jan.1970
Name: JONI		

Clinical Note: 25.Oct.2005
Aquaphor applied to ears to prevent dry skin. Koppertox applied to all nails on all four feet. (SNP)

Clinical Note: 26.Oct.2005
Blood sample collected - serum for prolactin study.
Koppertox applied to all nails on all four feet.
Aquaphor applied to ears to prevent chapping. (SNP)

Clinical Note: 29.Oct.2005
Blood sample collected - serum for prolactin study.
Aquaphor applied to ears to prevent chapping.
Koppertox applied to all nails on all four feet. (SNP)

Clinical Note: 30.Oct.2005
Koppertox applied to all nails on all four feet. (SNP)

Clinical Note: 1.Nov.2005
Dead tissue removed from both hind feet. Koppertox applied to all
nails on all four feet. (SNP)

Clinical Note: 5.Nov.2005
Koppertox applied to all nails on all four feet. (SNP)

Clinical Note: 6.Nov.2005
Koppertox applied to all nails on all four feet. (SNP)

Clinical Note: 7.Nov.2005
Dead tissue removed from both hind feet. (SNP)

Clinical Note: 8.Nov.2005
Dead tissue removed from right hind foot. Koppertox applied to all
nails on all four feet. (SNP)

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LOXODONTA AFRICANA (no subsp)	Sex: Female	Acc. #: 880002
African elephant	Age: 38Y Est.	Birth: 12.Jan.1970
Name: JONI		

Clinical Note: 9.Nov.2005
P4 (ng/ml) Prl (ng/ml)
11/9 0.14 16.84

11/16 0.14 5.05
11/23 0.11 9.03
11/27 0.23 6.76 (CLP)

Clinical Note: 9.Nov.2005
Blood sample collected - serum for prolactin study. (SNP)

Clinical Note: 12.Nov.2005
Koppertox applied to all nails on all four feet. (SNP)

Clinical Note: 13.Nov.2005
Dead tissue removed from both back feet. Koppertox applied to all
nails on all four feet. (SNP)

Clinical Note: 16.Nov.2005
Blood sample collected - serum for prolactin study. (SNP)

Clinical Note: 20.Nov.2005
Koppertox applied to all nails on back feet. (SNP)

Clinical Note: 23.Nov.2005
Blood sample collected - serum for prolactin study. (SNP)

Clinical Note: 27.Nov.2005
Blood sample collected - serum for prolactin study.
Aquaphor applied to both ears to prevent chapping.
Vaseline applied to cuticles on all four feet.
Koppertox applied to all nails on all four feet. (SNP)

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LOXODONTA AFRICANA (no subsp) Sex: Female Acc. #: 880002
African elephant Age: 38Y Est. Birth: 12.Jan.1970
Name: JONI

Clinical Note: 29.Nov.2005
Removed dead tissue from both back feet. (SNP)

Clinical Note: 4.Dec.2005
Aquaphor ointment applied to both ears to prevent chapping. Footwork done on both hind feet, removal of old/dead tissue. Koppertox applied to all nails on all four feet. (SNP)

Clinical Note: 6.Dec.2005
Koppertox applied to all nails on all four feet. (SNP)

Clinical Note: 7.Dec.2005
P4 (ng/ml) Prl (ng/ml)
12/7 0.19 4.44
12/10 0.31 7.10
12/21 0.09 9.54
12/28 0.12 7.04 (CLP)

Clinical Note: 7.Dec.2005
Blood sample collected - serum for prolactin study. Nail & cuticle work done on both hind feet. Vaseline applied to cuticles. Koppertox applied to all nails on all four feet. (SNP)

Clinical Note: 8.Dec.2005
Front left leg stiff in AM. (SNP)

Clinical Note: 10.Dec.2005
Blood sample collected - serum for prolactin study. (SNP)

Clinical Note: 21.Dec.2005
Blood sample collected - serum for prolactin study. (SNP)

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LOXODONTA AFRICANA (no subsp) Sex: Female Acc. #: 880002
African elephant Age: 38Y Est. Birth: 12.Jan.1970
Name: JONI

Clinical Note: 22.Dec.2005
Aquaphor ointment applied to ears to prevent chapping. Vaseline applied to all cuticles. Koppertox applied to all nails on all four

feet. (SNP)

Clinical Note: 28.Dec.2005
Blood sample collected - serum for prolactin study. (SNP)

Clinical Note: 4.Jan.2006
P4 (ng/ml) Prl (ng/ml)
1/4 0.07 6.73
1/13 0.06 9.06
1/20 0.16 5.77 (CLP)

Clinical Note: 10.Jan.2006
Footwork to remove dead/old tissue from right rear foot. Koppertox applied to all nails on all four feet to prevent cracking. (SNP)

Clinical Note: 13.Jan.2006
Blood sample taken - serum for prolactin study. (SNP)

Clinical Note: 17.Jan.2006
Footwork done on both back feet to remove dead/old tissue. (SNP)

Submission Data >> Sample id.: 2006-0061
Type: Fecal sample Date collected: 17.Jan.2006
Purpose: ROUTINE EXAMINATION Collected by: KAC

Collected from: Enclosure: AFRICA
From an individual specimen.

Examination Data >>
Storage: room temperature Date examined: 17.Jan.2006
Consistency: Not specified
Gross appearance: Typical by: KAC

Tests & Results >>
FLOATATION - ZINC SULFATE NO PARASITES SEEN

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LOXODONTA AFRICANA (no subsp) Sex: Female Acc. #: 880002
African elephant Age: 38Y Est. Birth: 12.Jan.1970
Name: JONI

Clinical Note: 23.Jan.2006
Prolactin study results from CRC; results look good, irregular cyclicality does not appear to be hyperprolactinemia. (SNP)

Clinical Note: 3.Feb.2006

P4 (ng/ml) Pri (ng/ml)
2/3 0.16 9.72
2/24 0.17 12.57 (CLP)

Clinical Note: 3.Feb.2006

Blood sample collected - serum for prolactin study (first protected blood draw). (SNP)

Clinical Note: 4.Feb.2006

Koppertox applied to all nails on all four feet. (SNP)

Clinical Note: 18.Feb.2006

Footwork on both back feet - old/dead tissue removed. (SNP)

Clinical Note: 22.Feb.2006

Left hind foot center toe, has crack from bottom to cuticle. Koppertox applied to all nails on all four feet. (SNP)

Clinical Note: 24.Feb.2006

Both front feet cuticle & nail work, removal of old & dead tissue.
Nail work on right hind foot - removal of old/dead tissue from inside nail. Koppertox applied to all nails on all four feet.
Blood sample taken - serum for prolactin study. (SNP)

Clinical Note: 25.Feb.2006

Nail & cuticle work done on both hind feet (removal of old/dead tissue & overgrown cuticles). Koppertox applied to all nails on all four feet. (SNP)

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LOXODONTA AFRICANA (no subsp)	Sex: Female	Acc. #: 880002
African elephant	Age: 38Y Est.	Birth: 12.Jan.1970
Name: JONI		

Clinical Note: 26.Feb.2006

Koppertox applied to all nails on all four feet. (SNP)

Clinical Note: 28.Feb.2006
Footwork on both hind feet. Removal of dead/old tissue from pads of feet. Koppertox applied to all nails on all four feet. (SNP)

Clinical Note: 2.Mar.2006
Koppertox applied to all nails on all four feet. (SNP)

Clinical Note: 3.Mar.2006
P4 (ng/ml) Prl (ng/ml)
3/3 0.12 16.38
3/10 0.15 10.55
3/18 0.07 8.60
3/24 0.05 11.92
3/31 0.23 12.29 (CLP)

Clinical Note: 3.Mar.2006
Blood sample taken - serum for prolactin study.
Koppertox applied to all nails on all four feet. (SNP)

Clinical Note: 4.Mar.2006
Koppertox applied to all nails on all four feet. (SNP)

Clinical Note: 5.Mar.2006
Koppertox applied to all nails on hind feet. (SNP)

Clinical Note: 7.Mar.2006
Koppertox applied to all nails on all four feet. (SNP)

Clinical Note: 8.Mar.2006
Koppertox applied to all nails on all four feet. (SNP)

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LOXODONTA AFRICANA (no subsp)	Sex: Female	Acc. #: 880002
African elephant	Age: 38Y Est.	Birth: 12.Jan.1970
Name: JONI		

Clinical Note: 9.Mar.2006
Koppertox applied to all nails on all four feet. (SNP)

Clinical Note: 10.Mar.2006
Blood sample taken - serum for prolactin study. Footwork on both front feet, removal of old/dead tissue. Koppertox applied to all nails on all four feet. (SNP)

Clinical Note: 11.Mar.2006
Footwork done on both hind feet, removal of old/dead tissue. Koppertox applied to all nails on all four feet. (SNP)

Clinical Note: 15.Mar.2006
Koppertox applied to all nails on all four feet. (SNP)

Clinical Note: 16.Mar.2006
Koppertox applied to all nails on all four feet for cracks on hind feet & as a preventative to front feet. (SNP)

Clinical Note: 17.Mar.2006
Koppertox applied to hind feet for cracks in nails. (SNP)

Clinical Note: 18.Mar.2006
Blood sample taken - serum for prolactin study.
Koppertox applied to all nails on all four feet. (SNP)

Clinical Note: 19.Mar.2006
Koppertox applied to all nails on all four feet. (SNP)

Clinical Note: 22.Mar.2006
Koppertox applied to all nails on all four feet for cracks. (SNP)

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LOXODONTA AFRICANA (no subsp)	Sex: Female	Acc. #: 880002
African elephant	Age: 38Y Est.	Birth: 12.Jan.1970
Name: JONI		

Clinical Note: 23.Mar.2006
Koppertox applied to all nails on all four feet, for cracks on rear & prevention on front. (SNP)

Clinical Note: 24.Mar.2006
Blood sample taken - serum for prolactin study.
Koppertox applied to hind toe nails for cracking. (SNP)

Clinical Note: 25.Mar.2006
Footwork done on both hind feet, pads & inner nails, removal of
dead/old tissue. Koppertox applied to all nails on all four feet.
Aquaphor ointment applied to underside of ears for raw places due to
cold.
Vaseline applied to feet above toe nails for dry skin. (SNP)

Clinical Note: 26.Mar.2006
Koppertox applied to all nails on all four feet. (SNP)

Clinical Note: 28.Mar.2006
Koppertox applied to all nails on both hind feet. (SNP)

Clinical Note: 29.Mar.2006
Koppertox applied to all nails on all four feet. (SNP)

Clinical Note: 30.Mar.2006
Koppertox applied to all nails on all four feet. (SNP)

Clinical Note: 31.Mar.2006
Blood sample taken - serum for prolactin study. Koppertox applied to
nails on hind feet. (SNP)

Clinical Note: 2.Apr.2006
Koppertox applied to nails on hind feet. (SNP)

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LOXODONTA AFRICANA (no subsp)	Sex: Female	Acc. #: 880002
African elephant	Age: 38Y Est.	Birth: 12.Jan.1970
Name: JONI		

Clinical Note: 6.Apr.2006
Koppertox applied to all nails on all four feet.
Has a large crack in nail on middle toe on left hind foot. (SNP)

Clinical Note: 7.Apr.2006

	P4 (ng/ml)	Prl (ng/ml)
4/7	0.14	7.05
4/16	0.13	5.87
4/21	0.15	12.90
4/28	0.08	11.84 (CLP)

Clinical Note: 7.Apr.2006

Blood sample taken - serum for prolactin study. Koppertox applied to all nails on all four feet. (SNP)

Clinical Note: 8.Apr.2006

Koppertox applied to nail on middle toe of left hind foot with crack. (SNP)

Clinical Note: 9.Apr.2006

Koppertox applied to nail on middle toe on left hind foot with crack. (SNP)

Clinical Note: 10.Apr.2006

Koppertox applied to nails on both hind feet. (SNP)

Clinical Note: 11.Apr.2006

Koppertox applied to nail on middle toe on left hind foot with crack. (SNP)

Clinical Note: 12.Apr.2006

Koppertox applied to nail on middle toe left hind foot with crack. (SNP)

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LOXODONTA AFRICANA (no subsp)	Sex: Female	Acc. #: 880002
African elephant	Age: 38Y Est.	Birth: 12.Jan.1970
Name: JONI		

Clinical Note: 14.Apr.2006

Blood sample taken - serum for prolactin study. (SNP)

Clinical Note: 15.Apr.2006
Koppertox applied to all nails on all four feet. (SNP)

Clinical Note: 16.Apr.2006
Koppertox applied to all nails on all four feet. (SNP)

Clinical Note: 18.Apr.2006
Footwork done on both hind feet, removed old/dead tissue. Koppertox applied to middle toe nail on left hind foot. (SNP)

Clinical Note: 19.Apr.2006
Koppertox applied to middle toe nail on left hind foot for crack. (SNP)

Clinical Note: 21.Apr.2006
Blood sample taken - serum for prolactin study. Koppertox applied to middle toe nail on left hind foot for crack. (SNP)

Clinical Note: 23.Apr.2006
Koppertox applied to all nails on all four feet. (SNP)

Clinical Note: 24.Apr.2006
Koppertox applied to middle nail on left hind foot for crack. (SNP)

Clinical Note: 27.Apr.2006
Koppertox applied to center toe crack on left hind foot. (SNP)

Clinical Note: 28.Apr.2006
Blood sample taken - serum for prolactin study. Koppertox applied to all nails on all feet. (SNP)

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LOXODONTA AFRICANA (no subsp)	Sex: Female	Acc. #: 880002
African elephant	Age: 38Y Est.	Birth: 12.Jan.1970
Name: JONI		

Clinical Note: 30.Apr.2006
Koppertox applied to center nail crack on left hind foot. (SNP)

Clinical Note: 3.May.2006
Koppertox applied to center nail crack on left hind foot. (SNP)

Clinical Note: 5.May.2006
Koppertox applied to all nails on all four feet. (SNP)

Clinical Note: 6.May.2006
Koppertox applied to center nail crack on left hind foot. (SNP)

Clinical Note: 7.May.2006
Blood sample taken - serum for prolactin study. Footwork on both hind feet, removal of old/dead tissue. (SNP)

Clinical Note: 8.May.2006
Koppertox applied to center nail crack on left hind foot. (SNP)

Clinical Note: 10.May.2006
Koppertox applied to center nail crack on left hind foot. Crack healing. (SNP)

Clinical Note: 11.May.2006
Koppertox applied to center nail crack on left hind foot. (SNP)

Clinical Note: 12.May.2006
Koppertox applied to center nail crack on left hind foot. (SNP)

Clinical Note: 13.May.2006
Blood sample taken - serum for prolactin study. Koppertox applied to center nail crack on left hind foot. (SNP)

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LOXODONTA AFRICANA (no subsp)	Sex: Female	Acc. #: 880002
African elephant	Age: 38Y Est.	Birth: 12.Jan.1970
Name: JONI		

Clinical Note: 14.May.2006
Koppertox applied to center nail crack on left hind foot. (SNP)

Clinical Note: 15.May.2006
Koppertox applied to center nail crack on left hind foot. (SNP)

Clinical Note: 17.May.2006
Koppertox applied to center nail crack on left hind foot. Crack appears to be getting elongated again. (SNP)

Clinical Note: 19.May.2006
Blood sample taken - serum for prolactin study. Day 1 of trunk wash for Tb testing collected. (SNP)

Clinical Note: 20.May.2006
Day 2 trunk wash for Tb testing collected. (SNP)

Clinical Note: 21.May.2006
Day 3 trunk wash collected for Tb testing. (SNP)

Clinical Note: 24.May.2006
Koppertox applied to center nail crack on left hind foot. Tb tests sent to NVSL, Ames, IA. (SNP)

Clinical Note: 26.May.2006
Blood sample collected - serum for prolactin study. Koppertox applied to center nail crack on left hind foot. (SNP)

Clinical Note: 28.May.2006
Koppertox applied to center nail crack on left hind foot. (SNP)

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LOXODONTA AFRICANA (no subsp) Sex: Female Acc. #: 880002
African elephant Age: 38Y Est. Birth: 12.Jan.1970
Name: JONI

Clinical Note: 29.May.2006
Footwork on both hind feet, old/dead tissue removed. (SNP)

Clinical Note: 1.Jun.2006
Koppertox applied to center nail crack on left hind foot, and all
nails on both hind feet. (SNP)

Clinical Note: 2.Jun.2006
Koppertox applied to cracked toenail on left hind center toe. (SNP)

Clinical Note: 3.Jun.2006
Blood sample taken - serum for prolactin study.
Footwork on both hind feet, old/dead tissue removed. Koppertox applied
to all nails on both hind feet. (SNP)

Clinical Note: 6.Jun.2006
Six inches of tooth from top right of mouth found in barn in AM. (SNP)

Clinical Note: 9.Jun.2006
Blood sample taken - serum for prolactin study. (SNP)

Clinical Note: 10.Jun.2006
Koppertox applied to cracked nail on center toe on left hind foot. (SNP)

Clinical Note: 11.Jun.2006
Tooth shard about two inches square found in barn in AM. (SNP)

Clinical Note: 12.Jun.2006
Koppertox applied to center nail on hind left foot & hind right inside
nail. (SNP)

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LOXODONTA AFRICANA (no subsp)	Sex: Female	Acc. #: 880002
African elephant	Age: 38Y Est.	Birth: 12.Jan.1970
Name: JONI		

Clinical Note: 16.Jun.2006
Koppertox applied to all nails on all four feet. (SNP)

Clinical Note: 17.Jun.2006
Koppertox applied to all nails on all four feet. (SNP)

Clinical Note: 18.Jun.2006
Blood sample taken -serum for prolactin study. (SNP)

Clinical Note: 19.Jun.2006
Footwork on both hind feet, old/dead tissue removed. Koppertox applied to all nails on both hind feet. (SNP)

Clinical Note: 22.Jun.2006
Koppertox applied to all nails on both hind feet. (SNP)

Clinical Note: 23.Jun.2006
Blood sample taken - serum for prolactin study. Koppertox applied to all nails on all four feet. (SNP)

Clinical Note: 25.Jun.2006
Koppertox applied to cracked nail on center toe on left hind foot. (SNP)

Clinical Note: 30.Jun.2006
Blood sample taken - serum for prolactin study. (SNP)

Clinical Note: 2.Jul.2006
Footwork on both front feet, removal of old/dead tissue. (SNP)

Clinical Note: 7.Jul.2006
Blood sample taken - serum for prolactin study. (SNP)

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LOXODONTA AFRICANA (no subsp)	Sex: Female	Acc. #: 880002
African elephant	Age: 38Y Est.	Birth: 12.Jan.1970
Name: JONI		

Clinical Note: 8.Jul.2006
Footwork on both front feet and both back feet, old/dead tissue removed. Dead skin on back scraped off. (SNP)

Clinical Note: 10.Jul.2006
Footwork on both back feet, old/dead tissue removed. Cutical work on both back feet. (SNP)

Submission Data >> Sample id.: 2006-0395
Type: Fecal sample Date collected: 12.Jul.2006
Purpose: ROUTINE EXAMINATION Collected by: JR

Collected from: Enclosure: AFRICA
From an individual specimen.

Examination Data >>
Storage: room temperature Date examined: 12.Jul.2006
Consistency: Not specified
Gross appearance: Typical by: JR

Tests & Results >>
FLOATATION - ZINC SULFATE NO PARASITES SEEN

Clinical Note: 21.Jul.2006
Blood sample taken - serum for prolactin study. (SNP)

Clinical Note: 24.Jul.2006
Footwork, removal of old/dead tissue from both hind feet. (SNP)

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LOXODONTA AFRICANA (no subsp) Sex: Female Acc. #: 880002
African elephant Age: 38Y Est. Birth: 12.Jan.1970
Name: JONI

Clinical Note: 25.Jul.2006
Tb Results from NVSL: Trunk wash samples taken on 05/19, 05/20 & 05/21
submitted on 05/25/06 - all negative for Mycobacteria - no isolation

made. (SNP)

Clinical Note: 28.Jul.2006
Blood sample taken - serum for prolactin study. (SNP)

Clinical Note: 4.Aug.2006
Blood sample taken - serum for prolactin study. (SNP)

Clinical Note: 9.Aug.2006
Work on all nails and cuticles, some bleeding on right hind
foot-inside nail. Koppertox applied to all nails on all four feet. (CLP)

Clinical Note: 11.Aug.2006
Koppertox applied to all nails on all four feet. (CLP)

Clinical Note: 12.Aug.2006
Blood sample taken - serum for prolactin study. Koppertox applied to
all nails on all four feet. (CLP)

Clinical Note: 13.Aug.2006
Koppertox applied to all nails on all four feet. (CLP)

Clinical Note: 16.Aug.2006
Koppertox applied to all nails on all four feet. (CLP)

Clinical Note: 18.Aug.2006
Blood sample taken - serum for prolactin study. (CLP)

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LOXODONTA AFRICANA (no subsp)	Sex: Female	Acc. #: 880002
African elephant	Age: 38Y Est.	Birth: 12.Jan.1970
Name: JONI		

Clinical Note: 19.Aug.2006
Foot work done an both hind feet, removal of old dead tissue. (CLP)

Clinical Note: 23.Aug.2006
Slipped on edge of pool, reinjured left front leg - stiff. (CLP)

Clinical Note: 24.Aug.2006
Left front leg still stiff. (CLP)

Clinical Note: 25.Aug.2006
Left front leg still stiff. (CLP)

Clinical Note: 26.Aug.2006
Left front leg still stiff. (CLP)

Clinical Note: 28.Aug.2006
Left front leg still stiff. (CLP)

Clinical Note: 30.Aug.2006
Front left leg moving more freely. (CLP)

Clinical Note: 2.Sep.2006
Blood sample taken - serum for prolactin study. Koppertox applied to center nail crack on left hind foot. (CLP)

Clinical Note: 6.Sep.2006
Koppertox applied to center nail crack on left hind foot. (CLP)

Clinical Note: 16.Sep.2006
Koppertox applied to left hind center nail crack. (CLP)

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LOXODONTA AFRICANA (no subsp)	Sex: Female	Acc. #: 880002
African elephant	Age: 38Y Est.	Birth: 12.Jan.1970
Name: JONI		

Clinical Note: 17.Sep.2006
Koppertox applied to left hind center nail crack. (CLP)

Clinical Note: 23.Sep.2006
Blood sample taken - serum for prolactin study. (CLP)

Clinical Note: 24.Sep.2006
Koppertox applied to left hind center nail crack. (CLP)

Clinical Note: 30.Sep.2006
Blood sample taken - serum for prolactin study. (CLP)

Clinical Note: 7.Oct.2006
Koppertox applied to all nails on all four feet. (CLP)

Clinical Note: 8.Oct.2006
Blood sample taken - serum for prolactin study. (CLP)

Clinical Note: 15.Oct.2006
Blood sample taken - serum for prolactin study. (CLP)

Clinical Note: 21.Oct.2006
Foot work done on both back pads, removal of black tissue. Filed corners on all nails on back feet. (CLP)

Clinical Note: 22.Oct.2006
Blood sample taken - serum for prolactin study. Foot work done on both front feet. Removal of dead/black tissue, filed corners of nails. Cuticles cleaned on all four feet. Koppertox applied to all nails on all four feet to prevent cracking. Aquaphor applied to raw areas on back of ears and along edges. (CLP)

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LOXODONTA AFRICANA (no subsp)	Sex: Female	Acc. #: 880002
African elephant	Age: 38Y Est.	Birth: 12.Jan.1970
Name: JONI		

Clinical Note: 28.Oct.2006
Blood taken - serum for prolactin study. (CLP)

Clinical Note: 12.Nov.2006
Blood taken - serum for prolactin study. (CLP)

Clinical Note: 25.Nov.2006
Blood taken - serum for prolactin study. (CLP)

Clinical Note: 1.Dec.2006
Koppertox applied to all nails for cracks and prevention. (CLP)

Clinical Note: 2.Dec.2006
Blood taken - serum for prolactin study. (CLP)

Clinical Note: 9.Dec.2006
Blood taken - serum for prolactin study. (CLP)

Clinical Note: 16.Dec.2006
Blood taken - serum for prolactin study.
Footwork done on both back feet, removal of old/dead tissue. (CLP)

Clinical Note: 17.Dec.2006
Koppertox applied to crack in center nail on left hind. (CLP)

Clinical Note: 20.Dec.2006
Koppertox applied to crack in center nail on left hind. (CLP)

Clinical Note: 24.Dec.2006
Blood taken - serum for prolactin study. (CLP)

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LOXODONTA AFRICANA (no subsp) Sex: Female Acc. #: 880002
African elephant Age: 38Y Est. Birth: 12.Jan.1970
Name: JONI

Clinical Note: 27.Dec.2006
Koppertox applied to crack in center nail on left hind. (CLP)

Clinical Note: 31.Dec.2006
Blood taken - serum for prolactin study. (CLP)

Clinical Note: 8.Jan.2007
Blood taken - serum for prolactin study.
Koppertox applied to crack on left hind center nail. (CLP)

Clinical Note: 15.Jan.2007
Blood taken - serum for prolactin study.
Koppertox applied to crack on left hind center nail. (CLP)

Clinical Note: 19.Jan.2007
Foot work done on all four feet, removal of old dead tissue. (CLP)

Submission Data >> Sample id.: 2007-0057
Type: Fecal sample Date collected: 21.Jan.2007
Purpose: ROUTINE EXAMINATION Collected by: KAC

Collected from: Enclosure: AFRICA
From an individual specimen.

Examination Data >>
Storage: room temperature Date examined: 21.Jan.2007
Consistency: Not specified
Gross appearance: Not specified by: KAC

Tests & Results >>
FLOATATION - ZINC SULFATE NO PARASITES SEEN

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LOXODONTA AFRICANA (no subsp)	Sex: Female	Acc. #: 880002
African elephant	Age: 38Y Est.	Birth: 12.Jan.1970
Name: JONI		

Clinical Note: 22.Jan.2007
Blood taken - serum for prolactin study.
Koppertox applied to crack on left hind center nail. (CLP)

Clinical Note: 30.Jan.2007
Blood taken - serum for prolactin study.
Koppertox applied to crack on left hind center nail. Crack has spread to top of nail. (CLP)

Clinical Note: 2.Feb.2007
Abrasion on underside of trunk. (CLP)

Clinical Note: 4.Feb.2007
Blood on left tusk. Found cut on gumline - where tusk meets gum. (CLP)

Clinical Note: 6.Feb.2007
All abrasions healing, applied aquaphor. Koppertox applied crack in left hind center nail. Aquaphor applied to ears and Vasaline applied to cuticles due to cold weather. (CLP)

Clinical Note: 8.Feb.2007
Koppertox applied to crack in center nail, left hind foot. (CLP)

Clinical Note: 12.Feb.2007
Cut on gumline of left tusk is draining pus. Will flush with peroxide BID until further notice.
Koppertox applied to all nails for cracks and prevention. Foot work done on all four feet, removal of old dead tissue. (CLP)

Clinical Note: 13.Feb.2007
Flushed cut on gumline of left tusk BID with peroxide. (CLP)

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LOXODONTA AFRICANA (no subsp)	Sex: Female	Acc. #: 880002
African elephant	Age: 38Y Est.	Birth: 12.Jan.1970
Name: JONI		

Clinical Note: 14.Feb.2007
Flushed cut on gumline of left tusk BID with warm water then peroxide.
(CLP)

Clinical Note: 15.Feb.2007
Flushed cut on gumline of left tusk with warm water then peroxide in am. Per JSH use diluted Chlorhexidine solution. PM - used Chlorhexidine for flushing. (CLP)

Clinical Note: 16.Feb.2007
Flushed cut on gumline of left tusk with water then Chlorhexidine - BID. Koppertox applied to crack on center nail of left hind foot in am and pm. (CLP)

Clinical Note: 17.Feb.2007
Flushed cut on gumline of left tusk with water then Chlorhexidine - BID. (CLP)

Clinical Note: 18.Feb.2007
Flushed cut on gumline of left tusk with water then Chlorhexidine - BID. Koppertox applied to crack on center nail of left hind foot. (CLP)

Clinical Note: 19.Feb.2007
Flushed cut on gumline of left tusk with water then Chlorhexidine - BID. Some pus seen. Koppertox applied to crack on center nail of left hind foot. (CLP)

Clinical Note: 20.Feb.2007
Flushed cut on gumline of left tusk with Chlorhexidine - BID. Some pus seen. Blood taken from left ear, sent to Antech. Koppertox applied to all nails for cracks and prevention. (CLP)

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Clinical Pathology Records - Specimen Report
GREENVILLE ZOO

LOXODONTA AFRICANA (no subsp)	Sex: Female	Acc. #: 880002
African elephant	Age: 38Y Est.	Birth: 12.Jan.1970
Name: JONI		

Collection Information >>
Health Status: Normal

Date of Collection: 20.Feb.2007
Time of Collection: 9:30.0

Fasting Time: < 8 hours
Activity: Calm
Weight: 3766 Kg on 28.Jun.2006
Manual restraint used.

Collected by: KAC
Sample Collection Site: EAR VEIN

Hematology >>

Analysis Information >> Laboratory: ANTECH
Anticoagulant: EDTA Date of Analysis: 21.Feb.2007
Storage: Refrigerated (<48 hours) Time of Analysis:
Sample Quality: No quality problems. Analysis by:
Automated analysis.

Tests and Results >>

WHITE BLOOD CELL COUNT 9.4 *10³/UL
RED BLOOD CELL COUNT < 2.66 *10⁶/UL
HEMOGLOBIN < 11.4 GM/DL
HEMATOCRIT < 30.3 %
MCV < 114 fL
MCH 42.9 uug
MCHC > 37.6 gm/dL
SEGMENTED NEUTROPHILS 33 (3.102) % (*10³/UL)
NEUTROPHILIC BANDS < 0 % (*10³/UL)
LYMPHOCYTES 34 (3.196) % (*10³/UL)
MONOCYTES 30 (2.820) % (*10³/UL)
EOSINOPHILS 3 (0.282) % (*10³/UL)
BASOPHILS 0 % (*10³/UL)
PLATELET COUNT >> 945 *10³/UL

ISIS reference values are for LOXODONTA AFRICANA

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Clinical Pathology Records - Specimen Report
GREENVILLE ZOO

LOXODONTA AFRICANA (no subsp) Sex: Female Acc. #: 880002
African elephant Age: 38Y Est. Birth: 12.Jan.1970
Name: JONI

Collection Information >> Date of Collection: 20.Feb.2007
Health Status: Normal Time of Collection: 9:30.0

Fasting Time: < 8 hours
Activity: Calm
Weight: 3766 Kg on 28.Jun.2006
Manual restraint used.

Collected by: KAC
Sample Collection Site: EAR VEIN

Chemistry >>

Analysis Information >>

Chemistry Sample: Serum
Storage: Refrigerated (<48 hours)
Sample Quality: hemolysis

Laboratory: ANTECH
Date of Analysis: 21.Feb.2007
Time of Analysis:
Analysis by:
Automated analysis.

Tests and Results >>

GLUCOSE < 62	MG/DL
BLOOD UREA NITROGEN 12	MG/DL
CREATININE 1.2	MG/DL
BUN/creatinine ratio 10.0	
CALCIUM 10.7	MG/DL
PHOSPHORUS > 5.8	MG/DL
calcium/phosphorus ratio 1.84	
SODIUM 126	MEQ/L
POTASSIUM > 5.6	MEQ/L
sodium/potassium ratio 22.5	
CHLORIDE 87	MEQ/L
MAGNESIUM 2.1	MG/DL
CHOLESTEROL 74	MG/DL
TRIGLYCERIDE < 29	MG/DL
TOTAL PROTEIN (COLORIMETRY) 7.6	GM/DL
ALBUMIN (COLORIMETRY) < 3.1	GM/DL
GLOBULIN (COLORIMETRY) 4.5	GM/DL
albumin/globulin ratio 0.689	
ASPARTATE AMINOTRANSFERASE 15	IU/L
ALANINE AMINOTRANSFERASE 4	IU/L
TOTAL BILIRUBIN 0.2	MG/DL
AMYLASE >>10164	U/L
ALKALINE PHOSPHATASE < 46	IU/L
CREATINE PHOSPHOKINASE 383	IU/L

Comments >>

GGTP = 9 U/L

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LOXODONTA AFRICANA (no subsp)	Sex: Female	Acc. #: 880002
African elephant	Age: 38Y Est.	Birth: 12.Jan.1970
Name: JONI		

Clinical Note:

21.Feb.2007

Flushed cut on gumline of left tusk with Chlorhexidine - BID. Some pus seen. Koppertox applied to crack in center nail on left hind. (CLP)

Clinical Note: 22.Feb.2007
Flushed cut on gumline of left tusk with Chlorhexidine - BID. Small amount of pus present. Koppertox applied to crack in center nail on left hind. (CLP)

Clinical Note: 23.Feb.2007
Cut on gumline of left tusk looks good, no pus seen. Flushed with water only. Koppertox applied to crack in center nail on left hind. (CLP)

Clinical Note: 24.Feb.2007
Cut on gumline of left tusk flushed with water only. Looks good, no pus. (CLP)

Clinical Note: 25.Feb.2007
Cut on gumline of left tusk flushed with water only, looks good, no pus. (CLP)

Clinical Note: 26.Feb.2007
Cut on gumline of left tusk flushed with water only, looks good, no pus. (CLP)

Clinical Note: 27.Feb.2007
Cut on gumline of left tusk flushed with water, looks good, no pus. (CLP)

Clinical Note: 28.Feb.2007
Koppertox applied to crack in center nail on left hind. (CLP)

Clinical Note: 2.Mar.2007
Cut on gumline of left tusk healing well. No pus. (CLP)

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LOXODONTA AFRICANA (no subsp)	Sex: Female	Acc. #: 880002
African elephant	Age: 38Y Est.	Birth: 12.Jan.1970
Name: JONI		

Clinical Note: 3.Mar.2007
Koppertox applied to crack in center nail of left hind. (CLP)

Clinical Note: 7.Mar.2007
Koppertox applied to crack in center nail of left hind and crack in outside nail of right hind. (CLP)

Clinical Note: 9.Mar.2007
Koppertox applied to crack in center nail of left hind. (CLP)

Clinical Note: 13.Mar.2007
Footwork done on both back feet, removal of old dead tissue. Opened up, "Veed", the crack in center nail of left hind. (CLP)

Clinical Note: 15.Mar.2007
Koppertox applied to nails on both back feet. (CLP)

Clinical Note: 23.Mar.2007
Koppertox applied to cracks on center nail on left hind and outside nail on right hind. (CLP)

Clinical Note: 28.Mar.2007
Koppertox applied to crack on center nail on left hind foot. (CLP)

Clinical Note: 5.Apr.2007
Koppertox applied to cracks on center nail on left hind and outside nail of right hind. (CLP)

Clinical Note: 14.Apr.2007
Raw spot, size of a quarter, behind left ear. (CLP)

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LOXODONTA AFRICANA (no subsp)	Sex: Female	Acc. #: 880002
African elephant	Age: 38Y Est.	Birth: 12.Jan.1970
Name: JONI		

Clinical Note: 15.Apr.2007
Stools looser than normal and smell stronger. Didn't drink as much water as normal. (CLP)

Clinical Note:

16.Apr.2007

A little lethargic. Not drinking as much water, not eating full diet.
Only 1 stool in barn overnight. Blood collected from left ear, sent to
Antech. (CLP)

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GREENVILLE ZOO

LOXODONTA AFRICANA (no subsp)	Sex: Female	Acc. #: 880002
African elephant	Age: 38Y Est.	Birth: 12.Jan.1970
Name: JONI		

Collection Information >>
Health Status: Abnormal

Date of Collection: 16.Apr.2007
Time of Collection: 14:00.0

Fasting Time: < 8 hours
Activity: Calm
Weight: 3766 Kg on 28.Jun.2006
Manual restraint used.

Collected by: JR
Sample Collection Site: EAR VEIN

Chemistry >>

Analysis Information >>

Chemistry Sample: Serum
Storage: Refrigerated (<48 hours)
Sample Quality: hemolysis

Laboratory: ANTECH
Date of Analysis: 17.Apr.2007
Time of Analysis:
Analysis by:

Automated analysis.

Tests and Results >>

GLUCOSE <	56	MG/DL
BLOOD UREA NITROGEN	12	MG/DL
CREATININE	1.2	MG/DL
BUN/creatinine ratio	10.0	
CALCIUM <	9.9	MG/DL
PHOSPHORUS	5.0	MG/DL
calcium/phosphorus ratio	1.98	
SODIUM <<	119	MEQ/L
POTASSIUM <	4.2	MEQ/L
sodium/potassium ratio	28.3	
CHLORIDE <	80	MEQ/L
MAGNESIUM	1.5	MG/DL
CHOLESTEROL	72	MG/DL
TRIGLYCERIDE	34	MG/DL
TOTAL PROTEIN (COLORIMETRY)	7.5	GM/DL
ALBUMIN (COLORIMETRY)	3.2	GM/DL
GLOBULIN (COLORIMETRY)	4.3	GM/DL
albumin/globulin ratio	0.744	
ASPARTATE AMINOTRANSFERASE	20	IU/L
ALANINE AMINOTRANSFERASE	4	IU/L
TOTAL BILIRUBIN	0.2	MG/DL
AMYLASE >>	10345	U/L
ALKALINE PHOSPHATASE <	53	IU/L
CREATINE PHOSPHOKINASE >	529	IU/L
GAMMA GLUTAMYLTRANSFERASE	10	IU/L
LIPASE	7	U/L

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LOXODONTA AFRICANA (no subsp)	Sex: Female	Acc. #: 880002
African elephant	Age: 38Y Est.	Birth: 12.Jan.1970
Name: JONI		

Clinical Note:

17.Apr.2007

About the same. Gave her 4 gallons of Tang. More active in pm. (CLP)

Clinical Note: 18.Apr.2007
Better than yesterday - eating most of diet, stools loose. Footwork done on both front feet. (CLP)

Clinical Note: 19.Apr.2007
Stools better, close to normal activity. Koppertox applied to cracks in center nail of left hind and outside nail of right hind. (CLP)

Clinical Note: 20.Apr.2007
More active today. (CLP)

Clinical Note: 21.Apr.2007
Back to normal. (CLP)

Clinical Note: 22.Apr.2007
Stools soft - found rocks/stones in stools in barn (from overnight) and in exhibit during day. (CLP)

Clinical Note: 23.Apr.2007
Koppertox applied to cracks in center nail on left hind and outside nail of right hind. (CLP)

Clinical Note: 24.Apr.2007
Koppertox applied to cracks in center nail on left hind and outside nail of right hind. (CLP)

Clinical Note: 25.Apr.2007
Koppertox applied to cracks in center nail on left hind and outside nail on right hind. (CLP)

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LOXODONTA AFRICANA (no subsp)	Sex: Female	Acc. #: 880002
African elephant	Age: 38Y Est.	Birth: 12.Jan.1970
Name: JONI		

Clinical Note: 26.Apr.2007
Koppertox applied to cracks in center nail on left hind and outside nail on right hind. (CLP)

Clinical Note: 27.Apr.2007
Koppertox applied to cracks in center nail on left hind and outside nail on right hind. (CLP)

Clinical Note: 28.Apr.2007
Koppertox applied to cracks in center nail on left hind and outside nail on right hind. (CLP)

Clinical Note: 8.May.2007
Footwork done on both back feet and nails. Koppertox applied to all back nails. (CLP)

Clinical Note: 10.May.2007
Footwork done on both front feet. (CLP)

Clinical Note: 11.May.2007
Loose stools - caused by new hay? (CLP)

Clinical Note: 27.May.2007
Small cut on right shoulder behind ear. (CLP)

Clinical Note: 31.May.2007
Right eye is cloudy and tearing a lot in am. Small cuts on trunk and one on right side in front of hind leg. (CLP)

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LOXODONTA AFRICANA (no subsp)	Sex: Female	Acc. #: 880002
African elephant	Age: 38Y Est.	Birth: 12.Jan.1970
Name: JONI		

Clinical Note: 1.Jun.2007
S - Janie noticed mucoid discharge & cloudiness yesterday.
O - Corneal edema and keratitis present OD in the ventral portion of

the eye. Could not get the fluorescein into her eye effectively but it was a presumptive negative. Tried to flush with saline but cannot visualize a foreign body.

A - Fungal or bacterial keratitis possibly secondary to a scratch or trauma.

P - Monostat & Terramycin TID, recheck tomorrow, culture. If no improvement may try standing sedation for a corneal scrape & cytology.

May add Cipro drops tomorrow.

HC Miller, DVM (CLP)

Clinical Note:

1.Jun.2007

Rx: MICONAZOLE NITRATE 0.25 in subconjunctivally TID for 7 days.

(6CM3484)

Rx: OXYTETRACYCLINE HYDROCHLORIDE 1.0 cm subconjunctivally TID for 12 days. (N30) (HCM)

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Clinical Pathology Records - Specimen Report
GREENVILLE ZOO

LOXODONTA AFRICANA (no subsp)	Sex: Female	Acc. #: 880002
African elephant	Age: 38Y Est.	Birth: 12.Jan.1970
Name: JONI		

Collection Information >>
Health Status: Abnormal

Date of Collection: 1.Jun.2007
Time of Collection: 16:30.0

Collected by: JR
Sample Collection Site: EYE

Weight: 3766 Kg on 28.Jun.2006

Analysis Information >>

Sample type: Other

Storage: Fresh

Sample Quality: No quality problems.

Laboratory: ANTECH

Date of Analysis: 5.Jun.2007

Time of Analysis:

Analysis by:
Automated analysis.

Comments >>

Culture & Sensitivites

Escherichia Coli - light growth - Sensitivities: Chloramphenicol,
Cipro, Cefazolin, Gentamicin, Norfloxacin, Ofloxacin, Polymyxin B,
Tobramycin, Neomycin, Tetracycline.

Coagulase Negative Staph - moderate growth - Sensitivities:
Bacitracin, Chloramphenicol, Cipro, Cefazolin, Gentamicin, Ofloxacin,
Polymyxin B, Tobramycin, Neomycin, Tetracycline.

Micrococcus Sp - moderate growth - Sensitivities: Bacitracin,
Chloramphenicol, Cipro, Cefazolin, Gentamicin, Norfloxacin, Ofloxacin,
Polymyxin B, Tobramycin, Neomycin, Tetracycline.

ISIS reference values are for LOXODONTA AFRICANA

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Medical History Report - Individual Specimen
GREENVILLE ZOO

LOXODONTA AFRICANA (no subsp)	Sex: Female	Acc. #: 880002
African elephant	Age: 38Y Est.	Birth: 12.Jan.1970
Name: JONI		

Purpose: Eye Injury

Prescription Data >> Starting date: 1.Jun.2007
Drug: MICONAZOLE NITRATE 0.25 in subconjunctivally TID for 7 days
Formulation: 2% cream Bottle/Lot #: 6CM3484
Prescribed by: HCM (1.Jun.2007) Filled by: HCM (1.Jun.2007)
Treatment weight: 3766 kg
Clinical response to treatment: Excellent

Daily Treatment Notes >>

Date	Time	Success	By	Comments
1.Jun.2007	16:45	100%	JR	
2.Jun.2007	09:45	100%	CD	
2.Jun.2007	13:00	100%	CD	
2.Jun.2007	15:30	100%	CD	
3.Jun.2007	10:30	100%	CD	
3.Jun.2007	14:30	100%	CD	
3.Jun.2007	16:40	100%	CD	
4.Jun.2007	10:00	100%	CD	
4.Jun.2007	15:20	100%	CD	
5.Jun.2007	10:05	100%	JR	
5.Jun.2007	13:00	100%	JR	
5.Jun.2007	17:00	100%	JR	
6.Jun.2007	10:00	100%	JR	
6.Jun.2007	13:00	100%	JR	
6.Jun.2007	17:00	100%	JR	
7.Jun.2007	10:00	100%	JR	
7.Jun.2007	13:00	100%	JR	
7.Jun.2007	17:00	100%	JR	

Purpose: Eye Injury - corneal edema, keratitis

Prescription Data >> Starting date: 1.Jun.2007
Drug: OXYTETRACYCLINE HYDROCHLORIDE 1.0 cm subconjunctivally
TID for 12 da
Formulation: 5.00 mg ophthalmic ointment Bottle/Lot #: N30
Prescribed by: HCM (1.Jun.2007) Filled by: HCM (1.Jun.2007)
Drug dosage: .000 cm/kg Treatment weight: 3766 kg
Clinical response to treatment: Good

Comments >>

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Medical History Report - Individual Specimen
GREENVILLE ZOO

LOXODONTA AFRICANA (no subsp) Sex: Female Acc. #: 880002
African elephant Age: 38Y Est. Birth: 12.Jan.1970
Name: JONI

Prescription Record (continued):

Tradename of drug used is TERRAMYCIN.

Daily Treatment Notes >>

Date	Time	Success	By	Comments
1.Jun.2007	18:00	100%	CD	
2.Jun.2007	10:45	100%	CD	
2.Jun.2007	14:00	100%	CD	
2.Jun.2007	16:30	100%	CD	
3.Jun.2007	09:30	100%	CD	
3.Jun.2007	13:00	100%	CD	
3.Jun.2007	15:30	100%	CD	
4.Jun.2007	09:00	100%	CD	
4.Jun.2007	13:30	100%	CD	
4.Jun.2007	16:30	100%	CD	
5.Jun.2007	08:30	100%	JR	
5.Jun.2007	12:00	100%	JR	
5.Jun.2007	16:00	100%	JR	
6.Jun.2007	09:00	100%	JR	
6.Jun.2007	12:00	100%	JR	
6.Jun.2007	16:00	100%	JR	
7.Jun.2007	09:00	100%	JR	
7.Jun.2007	12:00	100%	JR	
7.Jun.2007	16:00	100%	JR	
8.Jun.2007	10:00	100%	JR	
8.Jun.2007	11:45	100%	JR	
8.Jun.2007	15:30	100%	JR	
9.Jun.2007	09:20	100%	CD	
9.Jun.2007	12:10	100%	CD	
9.Jun.2007	16:45	100%	CD	
10.Jun.2007	09:00	100%	CD	
10.Jun.2007	12:30	100%	CD	
10.Jun.2007	16:45	100%	CD	
11.Jun.2007	09:15	100%	JR	
11.Jun.2007	12:00	100%	JR	
11.Jun.2007	16:45	100%	JR	
12.Jun.2007	10:00	100%	JR	
12.Jun.2007	12:00	100%	JR	
12.Jun.2007	16:35	100%	JR	

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LOXODONTA AFRICANA (no subsp)	Sex: Female	Acc. #: 880002
African elephant	Age: 38Y Est.	Birth: 12.Jan.1970
Name: JONI		

Clinical Note: 2.Jun.2007
Right eye seems less painful, a little more cloudy. (CLP)

Clinical Note: 3.Jun.2007
O - Recheck on right eye. Only mild conjunctivitis present. The edema has migrated and is diffusely located throughout the ventral portion of the eye. Improvement in blapharospasm and epiphora.
P - Add cipro to mix. Recheck Tues.
HC Miller, DVM (CLP)

Clinical Note: 4.Jun.2007
Right eye more cloudy. Foot work done on right front pad. (CLP)

Clinical Note: 4.Jun.2007
Rx: CIPROFLOXACIN OPHTHALMIC SOLUTION 0.7000 mg subconjunctivally TID for 16 days. (607282) (HCM)

Purpose: Corneal edema, keratitis

Prescription Data >> Starting date: 4.Jun.2007
Drug: CIPROFLOXACIN OPHTHALMIC SOLUTION 0.7000 mg subconjunctiv
Formulation: 3.50 mg/ml liquid Bottle/Lot #: 607282
Prescribed by: HCM (4.Jun.2007) Filled by: HCM (4.Jun.2007)
Drug dosage: .186 mcg/kg Treatment weight: 3766 kg
Clinical response to treatment: Excellent

Daily Treatment Notes >>

Date	Time	Success	By	Comments
4.Jun.2007	11:00	100%	CD	
4.Jun.2007	14:30	100%	CD	
4.Jun.2007	17:00	100%	CD	
5.Jun.2007	09:40	100%	JR	
5.Jun.2007	11:40	100%	JR	
5.Jun.2007	15:40	100%	JR	
6.Jun.2007	08:10	100%	JR	
6.Jun.2007	11:30	100%	JR	
6.Jun.2007	15:30	100%	JR	
7.Jun.2007	08:20	100%	JR	
7.Jun.2007	11:30	100%	JR	
7.Jun.2007	15:30	100%	JR	
8.Jun.2007	08:20	100%	JR	
8.Jun.2007	11:30	100%	JR	

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Medical History Report - Individual Specimen
GREENVILLE ZOO

LOXODONTA AFRICANA (no subsp)	Sex: Female	Acc. #: 880002
African elephant	Age: 38Y Est.	Birth: 12.Jan.1970
Name: JONI		

Prescription Record (continued):

8.Jun.2007 15:00 100% JR
9.Jun.2007 08:20 100% CD
9.Jun.2007 11:45 100% CD
9.Jun.2007 15:00 100% CD
10.Jun.2007 08:15 100% CD
10.Jun.2007 12:15 100% CD
10.Jun.2007 15:00 100% CD
11.Jun.2007 11:40 100% JR
11.Jun.2007 16:20 100% JR
11.Jun.2007 18:15 100% JR
12.Jun.2007 08:15 100% JR
12.Jun.2007 11:40 100% JR
12.Jun.2007 16:20 100% JR
13.Jun.2007 08:15 100% JR
13.Jun.2007 13:05 100% JR
13.Jun.2007 16:00 100% JR
14.Jun.2007 08:15 100% JR
14.Jun.2007 11:45 100% JR
14.Jun.2007 16:15 100% JR
15.Jun.2007 08:15 100% JR
15.Jun.2007 13:00 100% JR
15.Jun.2007 16:00 100% JR
16.Jun.2007 08:15 100% CLP
16.Jun.2007 11:30 100% CLP
16.Jun.2007 15:30 100% CLP
17.Jun.2007 08:15 100% CLP
17.Jun.2007 11:45 100% CLP
17.Jun.2007 14:30 100% CLP
18.Jun.2007 08:15 100% JR
18.Jun.2007 13:05 100% JR
18.Jun.2007 16:45 100% JR
19.Jun.2007 08:15 100% JR
19.Jun.2007 13:05 100% JR
19.Jun.2007 16:10 100% JR

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LOXODONTA AFRICANA (no subsp) Sex: Female Acc. #: 880002
African elephant Age: 38Y Est. Birth: 12.Jan.1970
Name: JONI

Clinical Note: 5.Jun.2007
Right eye looks better, less drainage. (CLP)

Clinical Note: 6.Jun.2007
Right eye a lot less cloudy. (CLP)

Clinical Note: 9.Jun.2007
Right eye looks less cloudy. (CLP)

Clinical Note: 10.Jun.2007
Right eye looked at by Dr Hovis. (CLP)

Clinical Note: 11.Jun.2007
Right eye looks great. JR. (CLP)

Clinical Note: 12.Jun.2007
Right eye checked by Dr Miller - continue treatment with Terramycin and Ciprofloxacin for 7 more days. (CLP)

Clinical Note: 13.Jun.2007
Right eye looks good, very little drainage this am. (CLP)

Clinical Note: 13.Jun.2007
Rx: OXYTETRACYCLINE HYDROCHLORIDE 1.0 cm subconjunctivally TID for 7 days. (N30) (HCM)

Purpose: Corneal edema, keratitis

Prescription Data >> Starting date: 13.Jun.2007
Drug: OXYTETRACYCLINE HYDROCHLORIDE 1.0 cm subconjunctivally
TID for 7 day
Formulation: 5.00 mg ophthalmic ointment Bottle/Lot #: N30
Prescribed by: HCM (13.Jun.2007) Filled by: HCM (13.Jun.2007)
Drug dosage: .000 cm/kg Treatment weight: 3766 kg
Clinical response to treatment: Excellent

Comments >>

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Medical History Report - Individual Specimen
GREENVILLE ZOO

LOXODONTA AFRICANA (no subsp) Sex: Female Acc. #: 880002
African elephant Age: 38Y Est. Birth: 12.Jan.1970
Name: JONI

Prescription Record (continued):

Tradename of drug used is TERRAMYCIN.

Daily Treatment Notes >>

Date	Time	Success	By	Comments
13.Jun.2007	09:15	100%	JR	
13.Jun.2007	13:30	100%	JR	
13.Jun.2007	16:30	100%	JR	
14.Jun.2007	09:15	100%	JR	
14.Jun.2007	12:00	100%	JR	
14.Jun.2007	16:45	100%	JR	
15.Jun.2007	10:00	100%	JR	
15.Jun.2007	13:30	100%	JR	
15.Jun.2007	16:45	100%	JR	
16.Jun.2007	09:30	100%	CLP	
16.Jun.2007	13:00	100%	CD	
16.Jun.2007	16:35	100%	CLP	
17.Jun.2007	09:45	100%	CLP	
17.Jun.2007	12:05	100%	CLP	
17.Jun.2007	16:45	100%	CLP	
18.Jun.2007	09:45	100%	JR	
18.Jun.2007	13:30	100%	JR	
18.Jun.2007	17:00	100%	JR	
19.Jun.2007	09:45	100%	JR	
19.Jun.2007	13:40	100%	JR	
19.Jun.2007	16:45	100%	JR	

Clinical Note: 14.Jun.2007
No drainage from right eye. (CLP)

Clinical Note: 15.Jun.2007
Blood drawn at 09:40 by JR from ear vein. Sent to Antech for annual physical. Fecal and urine samples collected from floor and sent to Antech. (CLP)

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Clinical Pathology Records - Specimen Report
GREENVILLE ZOO

LOXODONTA AFRICANA (no subsp)	Sex: Female	Acc. #: 880002
African elephant	Age: 38Y Est.	Birth: 12.Jan.1970
Name: JONI		

Collection Information >>
Health Status: Normal

Date of Collection: 15.Jun.2007
Time of Collection: 9:40.0

Fasting Time: < 8 hours
Activity: Calm
Weight: 3766 Kg on 28.Jun.2006
Manual restraint used.

Collected by: JR
Sample Collection Site: EAR VEIN

Hematology >>

Analysis Information >> Laboratory: ANTECH
Anticoagulant: EDTA Date of Analysis: 16.Jun.2007
Storage: Refrigerated (<48 hours) Time of Analysis:
Sample Quality: No quality problems. Analysis by:
Automated analysis.

Tests and Results >>

WHITE BLOOD CELL COUNT	10.1	*10 ³ /UL
RED BLOOD CELL COUNT	2.82	*10 ⁶ /UL
HEMOGLOBIN	12.3	GM/DL
HEMATOCRIT	36.9	%
MCV	131	fL
MCH	43.6	uug
MCHC	33.3	gm/dL
SEGMENTED NEUTROPHILS	40	(4.040) % (*10 ³ /UL)
NEUTROPHILIC BANDS	< 0	% (*10 ³ /UL)
LYMPHOCYTES	57	(5.757) % (*10 ³ /UL)
MONOCYTES	3	(0.303) % (*10 ³ /UL)
EOSINOPHILS	0	% (*10 ³ /UL)
BASOPHILS	0	% (*10 ³ /UL)
PLATELET COUNT	563	*10 ³ /UL

ISIS reference values are for LOXODONTA AFRICANA

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Clinical Pathology Records - Specimen Report
GREENVILLE ZOO

LOXODONTA AFRICANA (no subsp)	Sex: Female	Acc. #: 880002
African elephant	Age: 38Y Est.	Birth: 12.Jan.1970
Name: JONI		

Collection Information >>
Health Status: Normal

Date of Collection: 15.Jun.2007
Time of Collection: 9:40.0

Collected by: JR

Sample Collection Site: from Floor

Weight: 3766 Kg on 28.Jun.2006

Analysis Information >>

Sample type: Urine

Storage: Refrigerated (<48 hours)

Sample Quality: No quality problems.

Laboratory: ANTECH

Date of Analysis: 16.Jun.2007

Time of Analysis:

Analysis by:

Manual analysis.

Comments >>

Urinalysis

pH 8.0

Specific Gravity 1.002

Appearance Cloudy

Color Yellow

Protein Neg

Glucose Neg

Ketone Neg

Bilirubin Neg

Blood Neg

WBC 0-3

RBC 0-3

Bacteria None

Epithelia Few

None Seen for the following: Renal Epithelia Cells, Transitional epithelia cells, Triple phosphate crystals, Amorphous Phosphates, Calcium phosphate crystals, Calcium carbonate crystals, Ammonium biurate crystals, Amorphous urate, Calcium oxalate crystals, Uric acid crystals, Mucous, Hyaline casts, Granular casts, RBC casts, Waxy casts, WBC casts, Budding yeast, Oval fat body

ISIS reference values are for LOXODONTA AFRICANA

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LOXODONTA AFRICANA (no subsp) Sex: Female Acc. #: 880002
African elephant Age: 38Y Est. Birth: 12.Jan.1970
Name: JONI

Parasitology Examination:

Submission Data >>

Type: Fecal sample

Sample id.: 2007-0308

Date collected: 15.Jun.2007

Purpose: ROUTINE EXAMINATION Time collected: 9:30
Collected by: CLP

Collected from: Enclosure: AFRICA
From an individual specimen.

Examination Data >>
Storage: refrigerated Date examined: 16.Jun.2007
Consistency: Not specified
Gross appearance: Typical by: LAB

Tests & Results >>
CENTRIFUGATION NO PARASITES SEEN

Comments >>
Tested by Antech

Clinical Note: 17.Jun.2007
Koppertox applied to all nail on both hind feet. (CLP)

Clinical Note: 19.Jun.2007
P - Problem resolved. Discontinue meds. No evidence of corneal infection. Monitor for reoccurrence. HC Miller, DVM (CLP)

Clinical Note: 20.Jun.2007
Collected trunk wash sample for TB testing. (CLP)

Clinical Note: 21.Jun.2007
Collected trunk wash sample for TB testing. (CLP)

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LOXODONTA AFRICANA (no subsp) Sex: Female Acc. #: 880002
African elephant Age: 38Y Est. Birth: 12.Jan.1970
Name: JONI

Clinical Note: 22.Jun.2007
Collected trunk wash sample for TB testing. (CLP)

Clinical Note: 25.Jun.2007
Trunk wash samples sent to USDA, APHIS, VS lab in Ames, Iowa.

Footwork done on both hind feet - pads and nails. (CLP)

Clinical Note: 5.Jul.2007
Koppertox applied to all nails. (CLP)

Clinical Note: 9.Jul.2007
Koppertox applied to crack on center nail, left hind in am and pm. (CLP)

Submission Data >> Sample id.: 2007-0316
Type: Fecal sample Date collected: 9.Jul.2007
Purpose: ROUTINE EXAMINATION Collected by: WB

Collected from: Enclosure: AFRICA
From an individual specimen.

Examination Data >>
Storage: room temperature Date examined: 9.Jul.2007
Consistency: Not specified
Gross appearance: Typical by: WB

Tests & Results >>
FLOATATION - ZINC SULFATE NO PARASITES SEEN

Clinical Note: 10.Jul.2007
Koppertox applied to crack on center nail, left hind. (CLP)

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LOXODONTA AFRICANA (no subsp) Sex: Female Acc. #: 880002
African elephant Age: 38Y Est. Birth: 12.Jan.1970
Name: JONI

Clinical Note: 11.Jul.2007
Koppertox applied to crack on center nail, left hind. (CLP)

Clinical Note: 12.Jul.2007
Koppertox applied to crack on center nail, left hind. (CLP)

Clinical Note: 16.Jul.2007
Koppertox applied to crack on center nail, left hind. (CLP)

Clinical Note: 17.Jul.2007
Footwork done on both front feet. Koppertox applied to all front nails. (CLP)

Clinical Note: 19.Jul.2007
Koppertox applied to all nails. (CLP)

Clinical Note: 4.Aug.2007
S - H/O drainage OD.
O - Foamy white drainage, corneal opacity ventral cornea. Exam brief at best. Fluorescein stain - negative. Possible conjuncival swelling.
A - R/O bacterial conjunctivitis, fungal conjunctivitis, corneal ulcer.
P - Conjunctival culture - pending. Begin Cipro ophthalmic TID OD due to H/O sensitivity with previous treatment. JS Hovis, DVM (CLP)

Clinical Note: 4.Aug.2007
Rx: CIPROFLOXACIN OPHTHALMIC SOLUTION 0.7000 mg subconjunctivally TID for 10 days. (702282) (JSH)

Purpose: Conjunctivitis

Prescription Data >> Starting date: 4.Aug.2007
Drug: CIPROFLOXACIN OPHTHALMIC SOLUTION 0.7000 mg subconjunctiv
Formulation: 3.50 mg/ml liquid Bottle/Lot #: 702282
Prescribed by: JSH (4.Aug.2007) Filled by: JSH (4.Aug.2007)
Treatment weight: 3766 kg
Clinical response to treatment: Excellent

Daily Treatment Notes >>

Date	Time	Success	By	Comments
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Medical History Report - Individual Specimen
GREENVILLE ZOO

LOXODONTA AFRICANA (no subsp)	Sex: Female	Acc. #: 880002
African elephant	Age: 38Y Est.	Birth: 12.Jan.1970
Name: JONI		

Prescription Record (continued):

4.Aug.2007 12:20 100% CD
4.Aug.2007 16:45 100% CD
5.Aug.2007 08:20 100% CLP
5.Aug.2007 11:30 100% CLP
5.Aug.2007 16:30 100% CLP
6.Aug.2007 08:44 100% JR
6.Aug.2007 13:00 100% JR
6.Aug.2007 16:40 100% JR
7.Aug.2007 09:00 100% JR
7.Aug.2007 13:00 100% JR
7.Aug.2007 16:40 100% JR
8.Aug.2007 08:15 100% JR
8.Aug.2007 12:00 100% CD
8.Aug.2007 16:45 100% JR
9.Aug.2007 09:30 100% JR
9.Aug.2007 13:00 100% JR
9.Aug.2007 16:40 100% JR
10.Aug.2007 08:30 100% JR
10.Aug.2007 13:00 100% CD
10.Aug.2007 16:40 100% JR
11.Aug.2007 08:30 100% CD
11.Aug.2007 12:00 100% CD
11.Aug.2007 16:30 100% CD
12.Aug.2007 08:30 100% ALF
12.Aug.2007 14:00 100% ALF
12.Aug.2007 16:40 100% ALF
13.Aug.2007 09:00 100% JR
13.Aug.2007 12:45 100% CLP
13.Aug.2007 16:40 100% JR

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LOXODONTA AFRICANA (no subsp) Sex: Female Acc. #: 880002
African elephant Age: 38Y Est. Birth: 12.Jan.1970
Name: JONI

Clinical Note: 7.Aug.2007
Problem 1
S - Previous discharge OD and mild conjunctivitis.

O - Today the conjunctiva appears normal and there is minimal keratitis and corneal edema present ventrally.

A - Resolving corneal infection. (Do elephants get recurrent uveitis?)

P - Continue Cipro for the entire 10 day course. Research ele's & moonblindness.

Problem 2

S - Joni has been pruritic recently and creates sores on her skin.

O - Mild multifocal excoriations present approx 1.5 cm round, ulcerated in the center on her legs in 3-4 locations and 1 on her left shoulder, another located around the caudal tail fold.

A - Insect bite hypersensitivity, bacterial, fungal.

P - Malaseb spray BID for 7 days and recheck.

HC Miller, DVM (CLP)

Clinical Note:

23.Aug.2007

Tb Results from NVSL: Trunk wash samples taken on 06/20, 06/21 & 06/22 submitted on 06/26/07 - all negative for Mycobacteria - no isolation made. (CLP)

Clinical Note:

1.Oct.2007

Rx: OXYTETRACYCLINE HYDROCHLORIDE 0.25 in subconjunctivally TID for 4 doses. (N30) (HCM)

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Clinical Pathology Records - Specimen Report
GREENVILLE ZOO

LOXODONTA AFRICANA (no subsp)	Sex: Female	Acc. #: 880002
African elephant	Age: 38Y Est.	Birth: 12.Jan.1970
Name: JONI		

Collection Information >>
Health Status: Abnormal

Date of Collection: 1.Oct.2007
Time of Collection: 9:30.0

Fasting Time: < 8 hours
Activity: Calm
Weight: 3630 Kg on 1.Oct.2007
Manual restraint used.

Collected by: JR
Sample Collection Site: EAR VEIN

Hematology >>

Analysis Information >> Laboratory: ANTECH
Anticoagulant: EDTA Date of Analysis: 2.Oct.2007
Storage: Refrigerated (<48 hours) Time of Analysis:
Sample Quality: No quality problems. Analysis by:
Automated analysis.

Tests and Results >>

WHITE BLOOD CELL COUNT	10.9	*10 ³ /UL
RED BLOOD CELL COUNT	3.15	*10 ⁶ /UL
HEMOGLOBIN	13.9	GM/DL
HEMATOCRIT	36.5	%
MCV < 116		fL
MCH 44.1		uug
MCHC > 38.1		gm/dL
SEGMENTED NEUTROPHILS	30	(3.270) % (*10 ³ /UL)
NEUTROPHILIC BANDS <	0	% (*10 ³ /UL)
LYMPHOCYTES	40	(4.360) % (*10 ³ /UL)
MONOCYTES	27	(2.943) % (*10 ³ /UL)
EOSINOPHILS	3	(0.327) % (*10 ³ /UL)
BASOPHILS	0	% (*10 ³ /UL)
ESTIMATED PLATELET COUNT		INCRE
PLATELET COUNT >	814	*10 ³ /UL
FREE THYROXINE	10.5	NGM/DL

Comments >>

Specimen contained fibrin clots which may invalidate results.

ISIS reference values are for LOXODONTA AFRICANA
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Clinical Pathology Records - Specimen Report
GREENVILLE ZOO

LOXODONTA AFRICANA (no subsp)	Sex: Female	Acc. #: 880002
African elephant	Age: 38Y Est.	Birth: 12.Jan.1970
Name: JONI		

Collection Information >>
Health Status: Abnormal

Date of Collection: 1.Oct.2007
Time of Collection: 9:30.0

Fasting Time: < 8 hours Collected by: JR
Activity: Calm Sample Collection Site: EAR VEIN
Weight: 3630 Kg on 1.Oct.2007
Manual restraint used.

Chemistry >>

Analysis Information >> Laboratory: ANTECH
Chemistry Sample: Serum Date of Analysis: 2.Oct.2007
Storage: Refrigerated (<48 hours) Time of Analysis:
Sample Quality: hemolysis Analysis by:
Automated analysis.

Tests and Results >>

GLUCOSE	73	MG/DL	
BLOOD UREA NITROGEN >>	17	MG/DL	
CREATININE	1.2	MG/DL	
BUN/creatinine ratio	14.2		
CALCIUM	11.3	MG/DL	
PHOSPHORUS	4.7	MG/DL	
calcium/phosphorus ratio	2.40		
SODIUM >	137	MEQ/L	
POTASSIUM >	5.6	MEQ/L	
sodium/potassium ratio	24.5		
CHLORIDE >>	98	MEQ/L	
MAGNESIUM	2.3	MG/DL	
TRIGLYCERIDE	42	MG/DL	
TOTAL PROTEIN (COLORIMETRY)	7.8	GM/DL	
ALBUMIN (COLORIMETRY)	3.3	GM/DL	
GLOBULIN (COLORIMETRY)	4.5	GM/DL	
albumin/globulin ratio	0.733		
ASPARTATE AMINOTRANSFERASE	14	IU/L	
ALANINE AMINOTRANSFERASE	4	IU/L	
TOTAL BILIRUBIN	0.2	MG/DL	
AMYLASE >>	10128	U/L	
ALKALINE PHOSPHATASE <	35	IU/L	
CREATINE PHOSPHOKINASE	365	IU/L	
GAMMA GLUTAMYLTRANSFERASE	10	IU/L	
LIPASE	5	U/L	

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Medical History Report - Individual Specimen
GREENVILLE ZOO

LOXODONTA AFRICANA (no subsp)	Sex: Female	Acc. #: 880002
African elephant	Age: 38Y Est.	Birth: 12.Jan.1970
Name: JONI		

Purpose: Corneal edema and Conjunctivitis

Prescription Data >>

Starting date: 1.Oct.2007

Drug: OXYTETRACYCLINE HYDROCHLORIDE 0.25 in subconjunctivally
TID for 4 dos

Formulation: ointment

Bottle/Lot #: N30

Prescribed by: HCM (1.Oct.2007)

Filled by: HCM (1.Oct.2007)

Drug dosage: .000 in/kg

Treatment weight: 3766 kg

Clinical response to treatment: Fair

Daily Treatment Notes >>

Date	Time	Success	By	Comments
1.Oct.2007	10:25	100%	JR	
1.Oct.2007	14:00	100%	JR	
1.Oct.2007	16:40	100%	JR	
2.Oct.2007	08:00	100%	JR	

Clinical Note:

2.Oct.2007

S - Joni's R eye started watering a lot on Monday, treatment was started with Terramycin TID.

O - Blepharospasm, epiphora (clear), mild conjunctivitis with mild corneal edema and migration of scleral vessels. Approx 2mm.

A - Conjunctivis & keratitis, still not sure about recurrent uveitis in ele's.

P - Cipro twice a day for 2 days. If no improvement go to three times a day. Will research cyclosporin for Joni. HC Miller, DVM (CLP)

Clinical Note:

9.Oct.2007

S - Joni has been treated with cipro drops twice a day for 7 days. Her eye has improved.

O - Minimal keratitis ventrally.

A - Infection is clearing up.

P - Continue Cipro BID for 7 more days. Then use artificial tears once a day after infection is cleared. HC Miller, DVM (CLP)

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Clinical Pathology Records - Specimen Report
GREENVILLE ZOO

LOXODONTA AFRICANA (no subsp)

Sex: Female

Acc. #: 880002

African elephant

Age: 38Y Est.

Birth: 12.Jan.1970

Name: JONI

Collection Information >>

Date of Collection: 16.Oct.2007

Health Status: Abnormal

Time of Collection:

Collected by: HCM
Sample Collection Site: RIGHT EYE

Weight: 3630 Kg on 1.Oct.2007

Analysis Information >> Laboratory: ANTECH
Sample type: Other Date of Analysis: 20.Oct.2007
Storage: Fresh Time of Analysis:
Sample Quality: No quality problems. Analysis by:
Automated analysis.

Comments >>

Culture and Sensitivites

Enterobacter Taylorae - Chloramphenicol, Cipro, Cefazolin, Gentamicin,
Norfloxacin, Ofloxacin, Polymyxin B, Tobramycin, Neomycin,
Tetracycline.

ISIS reference values are for LOXODONTA AFRICANA
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LOXODONTA AFRICANA (no subsp)	Sex: Female	Acc. #: 880002
African elephant	Age: 38Y Est.	Birth: 12.Jan.1970
Name: JONI		

Clinical Note: 30.Oct.2007
O - Joni's eye is improved. The third eyelid appears normal after 1
week of flurbiprofen. The ventral portion of her cornea is still a

littl cloudy.

P - Recommend continue Cipro and Terramycin TID and recheck in 7 days.

HC Miller, DVM (CLP)

Clinical Note:

6.Nov.2007

Checked by HC Miller, DVM. Looks good, contine meds (Cipro and Terramycin TID) for 7 more days. (CLP)

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Clinical Pathology Records Report - ISIS/In-House Reference Values
GREENVILLE ZOO

Scientific name: LOXODONTA AFRICANA

Common Name: African elephant

ISIS Values

Mean S.D. Min. Max. (N)

WBC *10³/UL 10.50 + 2.648 4.500 22.10 (1544)
 RBC *10⁶/UL 3.15 + 0.40 2.05 4.80 (1480)
 HGB GM/DL 13.7 + 1.6 7.0 26.1 (1522)
 HCT % 39.5 + 4.6 27.0 56.0 (1984)
 MCH MG/DL 43.6 + 3.0 34.8 66.8 (1454)
 MCHC uug 34.7 + 2.0 18.4 57.9 (1501)
 MCV fL 125.8 + 8.1 91.1 190.0 (1466)
 SEGS *10³/UL 3.146 + 1.695 0.000 11.80 (1224)
 BANDS *10³/UL 0.843 + 0.799 0.000 6.530 (605)
 LYMPHOCYTES *10³/UL 4.913 + 2.532 0.022 17.40 (1236)
 MONOCYTES *10³/UL 1.513 + 1.651 0.000 9.480 (1175)
 EOSINOPHILS *10³/UL 0.225 + 0.273 0.000 2.898 (885)
 BASOPHILS *10³/UL 0.049 + 0.081 0.000 0.525 (464)
 NRBC /100 WBC 0 + 1 0 3 (92)
 PLATE. CNT. *10³/UL 417 + 245 74 1380 (215)
 RETICS % 0.0 + 0.0 0.0 0.0 (7)

GLUCOSE MG/DL 84 + 15 38 174 (1437)
 BUN MG/DL 10 + 3 0 22 (1458)
 CREAT. MG/DL 1.5 + 0.5 0.0 11.0 (1405)
 URIC ACID MG/DL 0.2 + 0.4 0.0 5.1 (466)
 CA MG/DL 10.9 + 0.6 8.1 15.3 (1434)
 PHOS MG/DL 4.9 + 0.8 2.8 8.2 (1291)
 NA MEQ/L 129 + 4 107 182 (1353)
 K MEQ/L 4.8 + 0.5 3.3 7.6 (1368)
 CL MEQ/L 88 + 4 67 129 (1323)
 IRON MCG/DL 79 + 42 8 174 (54)
 MG MG/DL 1.97 + 0.75 0.65 4.20 (98)
 HCO3 MMOL/L 25.1 + 3.6 13.0 31.0 (44)
 CHOL MG/DL 68 + 17 0 234 (1290)
 TRIG MG/DL 64 + 31 0 179 (1124)
 T.PROT. (C) GM/DL 7.7 + 0.6 5.8 10.5 (1261)
 T.PROT. (R) GM/DL 8.0 + 0.4 7.4 8.6 (8)
 ALBUMIN (C) GM/DL 3.6 + 0.4 2.4 5.2 (1145)
 GLOBULIN (C) GM/DL 4.1 + 0.5 2.6 6.4 (1135)
 AST (SGOT) IU/L 24 + 10 6 93 (1398)
 ALT (SGPT) IU/L 7 + 6 0 40 (547)
 T. BILI. MG/DL 0.2 + 0.1 0.0 1.0 (1187)
 D. BILI. MG/DL 0.1 + 0.1 0.0 0.3 (154)
 I. BILI. MG/DL 0.1 + 0.1 0.0 0.9 (152)
 AMYLASE U/L 3075 + 1552 0 7918 (241)
 ALK. PHOS. IU/L 128 + 61 32 441 (1404)
 LDH IU/L 988 + 568 157 4306 (1099)

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Clinical Pathology Records Report - ISIS/In-House Reference Values
 GREENVILLE ZOO

Scientific name: LOXODONTA AFRICANA
 Common Name: African elephant

ISIS Values
 Mean S.D. Min. Max. (N)

CPK IU/L 256 + 196 18 1884 (247)
OSMOLARITY MOSMOL/L 259 + 4 246 272 (689)
ALPHA GLOB. MG/DL 0.7 + 0.0 0.7 0.7 (1)
ALPHA-1 GLOB MG/DL 0.7 + 0.2 0.2 0.8 (8)
ALPHA-2 GLOB MG/DL 1.0 + 0.3 0.8 1.6 (8)
BETA GLOB. MG/DL 1.2 + 0.8 0.6 1.7 (2)
Body Temperature: 39.0 + 0.0 39.0 39.0 (1)
CO2 MMOL/L 27.0 + 3.1 12.0 61.4 (840)
ESR MM/HR 27 + 0 27 27 (1)
FIBRINOGEN MG/DL 238 + 139 0 600 (70)
GGT IU/L 12 + 5 0 37 (389)
LIPASE U/L 7 + 7 0 45 (66)
PROGESTERONE NG/DL 144.8 + 216.4 0.060 1005 (266)
TESTOSTERONE NG/ML 1.010 + 1.117 0.220 1.800 (2)
TOTAL T4 MCG/DL 8.2 + 1.3 6.9 9.5 (3)
T3 (RIA) NG/ML 209.0 + 0.0 209.0 209.0 (1)
ALBUMIN (E) GM/DL 4.4 + 0.3 4.1 4.9 (7)
GAMMA GLOB GM/DL 1.6 + 0.4 0.7 1.9 (7)

CUP

The Greenville Zoo

150 Cleveland Park Drive, Greenville, SC 29601 * 864-467-4311

Date: 6/1/07

Animal Number: 980002

Animal Name: Joni

Animal Age: 37

Species: Loxodonta Africana

Color: Grey

Sex: F

Doctor: Miller

Notes:

S: Janie noticed mucoid discharge + cloudiness yesterday

O: Corneal edema and keratitis present
OD in the ventral portion of the eye.
Could not get the fluorescein into her eye effectively, but it was a presumptive negative. Tried to flush with saline but cannot visualize a foreign body

A: Fungal or bacterial keratitis possibly secondary to a scratch or trauma

P: Monostat + terramycin TID, recheck tomorrow, culture. If no improvement may try standing sedation for a corneal scrape & cytology. May add cipro drops tomorrow

(continued on back)

10-192-09

CUP

The Greenville Zoo

150 Cleveland Park Drive, Greenville, SC 29601 * 864-467-4311

Date: 6/19/07

Animal Number: 880002

Animal Name: Joni

Animal Age: 37

Species: AF, Elephant

Color: _____

Sex: F

Doctor: Miller

Notes:

P- Problem Resolved - Discontinue Meds
No evidence of Corneal infection
Monitor for Re-occurrence.

(continued on back)

CSP

The Greenville Zoo

150 Cleveland Park Drive, Greenville, SC 29601 * 864-467-4311

Date: 8/4/07

Animal Number: 880002

Animal Name: Joni

Animal Age: 37

Species: African Elephant

Color: _____

Sex: F

Doctor: Hovio

Notes:

S: H/O drainage OD

O: Foamy white drainage, corneal opacity ventral
cornea Exam brief at best. Gram stain
negative, possible conjunctival swelling

A: R/O bacterial conjunctivitis, fungal
conjunctivitis, corneal ulcer.

P: Conjunctival culture - pending, begin
Apis ophthalmic T.I.D. OD due to
H/O sensitivity with previous treatment
J. Stued As OVM

(continued on back)

CLP

The Greenville Zoo

150 Cleveland Park Drive, Greenville, SC 29601 * 864-467-4311

Date: 8/7/07

Animal: A

290002
JSH

MEDICATION RECORD

Animal Name: Joni

Species: AF. Elephant

Sex: F

ANIMAL: 0.1 AF. Elephant "Joni"
REASON: Conjunctivitis

MEDICATION: Ciprofloxacin Ophthalmic Solution
AMOUNT: 0.2 ml

FREQUENCY: TID - in eye

TREATMENT PERIOD: 10 days

Notes: Problem 1

S: previous discharge

O: Today the conjunc and there is mini corneal edema

A: Resolving cornea
[Do ele's eye]

P: Continue cipro for Research e'

Problem 2

S: Joannie has been sores on her skin

O: Mild multifoca
1.5 cm round, ulc

(continued on back)

legs in 3-4 l.
shoulder, another
tail fold

DATE	MEDICATED BY AND TIME	DATE
8/4/07	12:20 - 100% CD	
8/4	4:45 - 100% UD	
8/5	9:20 - 100% CLP	
8/5	11:30 - 100% CLP	
8/5	4:30 - 100% CLP	
8-6-07	8:44 100% JR	
	1:00 100% JR	
	4:40 100% JR	
8-7-07	9:00 100% JR	
	1:00 100% JR	
	4:40 100% JR	
8-8	8:45 100% JR	
	12:00 100% UD	
	4:45 100% JR	
8-9	9:30 100% JR	
	1:00 100% JR	
	4:40 100% JR	
8/10	8:30 100% JR	
	1:00 100% CD	
	4:40 100% JR	
8/11	8:30 CD 100%	
	12:00 CD 100%	
	4:30 CD 100%	
8/12	8:30 JR 100%	
	2:00 JR 100%	
	4:40 JR 100%	
8/13	9:00 JR 100	
	12:45 CLP 100	
	4:40 JR 100	

The Greenville Zoo

CP

150 Cleveland Park Drive, Greenville, SC 29601 * 864-467-4311

Date: 10/2/07

Animal Number: 880002

Animal Name: Joni

Animal Age: 37

Species: AF. Eleph

Color: Grey

Sex: F

Doctor: Miller

Notes:

S: ^(R) Joni's eye started watering a lot
~~on Sunday~~ on Monday, treatment
was started with Terramycin TID

O: Blepharospasm, epiphora (clear)
mild conjunctivitis with mild corneal
edema and migration of scleral vessels.
approx 2mm.

A: Conjunctivitis + keratitis, still not sure
about recurrent uveitis in elephants.

P: Cipro twice a day for 2 days. If no improvement
go to three times a day. Will research
cyclosporin for Joni.

(continued on back)

(CIP)

The Greenville Zoo

150 Cleveland Park Drive, Greenville, SC 29601 * 864-467-4311

Date: <u>10/9/07</u>	Animal Number: <u>880002</u>
Animal Name: <u>Joni</u>	Animal Age: <u>37</u>
Species: <u>AF. EL</u>	Color: <u>Grey</u>
Sex: <u>F</u>	Doctor: <u>Miller</u>

Notes:

S: Joni has been treated with cipro drops twice a day for 7 days. Her eye has improved.

O: Minimal keratitis ventrally

A: Infection is clearing up.

P: Continue Cipro BID for 7 more days then use artificial tears once a day after infection is cleared

(continued on back)

CYP

The Greenville Zoo

150 Cleveland Park Drive, Greenville, SC 29601 * 864-467-4311

Date: 10/30/07

Animal Number: 88000Z

Animal Name: Joni

Animal Age: 37

Species: AF. EI

Color: _____

Sex: F

Doctor: Miller

Notes:

O: Joni's eye is improved. The third eyelid appears normal after 1 week of flurbiprofen. The ventral portion of her cornea is still a little cloudy.

P: Recommend continue cipro^s & tenamycin TID and recheck in 7 days.

(continued on back)