



Taxonomic name: *Loxodonta africana*

Family: Elephantidae

Common name: African elephant

Order: Proboscidea

Current information

Sex: Female Sire ID: UNK at Unknown Location
 Birth type: Wild Born Dam ID: UNK at Unknown Location
 Birth Location: AFRICAN REGION Rearing: Unknown
 Birthdate-Age: ~ Jul 1968 - 40Y,1M,26D +/-06 Mo. Hybrid: Not a hybrid
 Time since last Acq: 3Y,4M,29D as of report end date

<u>Date in</u>	<u>Acquisition - Vendor/local Id</u>	<u>Holder</u>	<u>Disposition - Recipient/local Id</u>	<u>Date out</u>
29 Mar 2005	Donation from INDIANAPL / 1821	NORFOLK / 205003		

<u>Date</u>	<u>Type</u>	<u>Value</u>	<u>Units</u>	<u>Comments</u>
10 Jul 2007	live animal weight	7780	pound	
30 Apr 2008	live animal weight	7990	pound	

<u>Date</u>	<u>Note type</u>	<u>Comments</u>
3 Apr 2007	Medical note	First of 3 of TB trunk washes.
		This comment was added to the following specimens: 000028, 000029, 205003.
4 Apr 2007	Medical treatment	8 cc's of blood taken from right ear.
		This comment was added to the following specimens: 000028, 000029, 205003.
10 Apr 2007	Medical treatment	Last of TB trunk washes.
		This comment was added to the following specimens: 000028, 000029, 205003.
12 Apr 2007	Medical note	8 cc's blood taken.
16 Apr 2007	Foot management	Trimmed pads and nails on both front feet.
18 Apr 2007	Note	Drew 8 cc's blood for banking from right ear of each.
		This comment was added to the following specimens: 000028, 000029, 205003.
25 Apr 2007	Medical note	8 cc's blood taken and banked.
		This comment was added to the following specimens: 000028, 000029, 205003.
2 May 2007	Medical procedure	8cc's blood taken to be banked.
		This comment was added to the following specimens: 000028, 000029, 205003.
7 May 2007	Exhibit	Installation began on shade structure in main yard.
		This comment was added to the following specimens: 000028, 000029, 205003.
9 May 2007	Medical note	8cc's blood taken from each to be banked.
		This comment was added to the following specimens: 000028, 000029, 205003.
13 May 2007	Foot management	Trimmed and filed all 4 pads.
15 May 2007	Animal management note	Elephants are locked in the building and holding yard until the shade structure in complete.
		This comment was added to the following specimens: 000028, 000029, 205003.
23 May 2007	Diet	Ate some produce and nuts today did not eat any grain. She is getting them, but gums look pinker.
23 May 2007	Medical note	Drew 8cc of blood from the left ear of each elephant and collected fecal samples from each. Soaked 000028's left front foot in warm water for 15min BID and WonderDusted BID. Manager trimmed out her nail. 000029 had clear discharge in her urine today.



This comment was added to the following specimens: 000028, 000029, 205003.

24 May 2007	Note	Very soft feces.
28 May 2007	Foot management	Keeper trimmed on her right front foot.
30 May 2007	Medical observation	Has a few superficial cuts on the right side of her face. She had a loose piece of skin hanging from back of left foot. Manager trimmed it off. Edemas on sides of stomach.
1 Jun 2007	Medical treatment	Treat edema with hydrotherapy SID, UFN and DMSO liquid spray on edematous area SID, UFN.
This comment was added to the following specimens: 000028, 205003.		
2 Jun 2007	Medical note	Hydrotherapy for 15 minutes, BID on edemas on both sides of belly and applied DMSO.
3 Jun 2007	Medical treatment	Hydrotherapy for 15 minutes, BID on edemas on both sides of belly and applied DMSO.
5 Jun 2007	Medical treatment	Hydrotherapy done on right and left side edemas for 15 minutes.
6 Jun 2007	Medical treatment	Hydrotherapy done on both edemas for 15 minutes BID, DMSO applied.
7 Jun 2007	Medical treatment	Hydrotherapy on left side for edema for 15 minutes, BID.
8 Jun 2007	Medical treatment	Hydrotherapy done on left side of edema for 15 minutes, BID.
9 Jun 2007	Medical treatment	Hydrotherapy done on left side of edema for 15 minutes, BID.
10 Jun 2007	Medical treatment	Hydrotherapy done on left side edema for 15 minutes, BID.
10 Jun 2007	Note	Loose, sandy stool found in stalls in AM. Observed 000029 defecating in PM, feces was not loose but very pungent.
This comment was added to the following specimens: 000028, 000029, 205003.		
11 Jun 2007	Medical treatment	Hydrotherapy done on left side edema for 15 minutes, BID.
12 Jun 2007	Medical treatment	Hydrotherapy done on left side of edema for 15 minutes, BID. Footwork on front right foot.
13 Jun 2007	Foot management	Trimmed back left pad. Hydrotherapy done on left side of edema for 15 minutes, BID.
14 Jun 2007	Medical treatment	Hydrotherapy done on left side edema for 15 min BID. Trimmed front left pad. Trimmed nails on all four feet.
15 Jun 2007	Medical treatment	Hydrotherapy done on left side of edema for 15 minutes, BID and applied DMSO SID in the PM.
16 Jun 2007	Foot management	Hydrotherapy done on left side of edema for 15 minutes, BID.
17 Jun 2007	Medical treatment	Hydrotherapy done on left side of edema for 15 minutes, BID.
18 Jun 2007	Medical treatment	Hydrotherapy done on left side of edema for 15 minutes, BID.
19 Jun 2007	Medical treatment	Hydrotherapy done on left edema for 15 min BID.
20 Jun 2007	Medical treatment	Hydrotherapy done on left edema for 15 min BID.
21 Jun 2007	Medical treatment	Hydrotherapy done on left edema for 15 min BID and DMSO sprayed on edema SID.
22 Jun 2007	Medical treatment	Hydrotherapy done on left edema for 15 min BID and DMSO SID.
23 Jun 2007	Medical treatment	Hydrotherapy done on left edema for 15 min BID.
24 Jun 2007	Medical treatment	Hydrotherapy done on left edema for 15 min BID.
25 Jun 2007	Medical treatment	Hydrotherapy done for 15 minutes on left edema, BID.
26 Jun 2007	Medical treatment	Hydrotherapy done for 15 minutes on left edema, BID.
27 Jun 2007	Medical treatment	Hydrotherapy done on left edema for 15 minutes BID.
28 Jun 2007	Medical treatment	Did hydrotherapy on left side of belly for edema for 15 minutes, BID.
29 Jun 2007	Medical treatment	Hydrotherapy on her left side on the edema for 15 minutes BID and applied DMSO, SID.
30 Jun 2007	Medical treatment	Hydrotherapy on her left side on the edema for 15 minutes BID and applied DMSO, SID.
1 Jul 2007	Medical treatment	Hydrotherapy for edema for 15 minutes BID.
2 Jul 2007	Medical note	Hydrotherapy for edema for 15 minutes BID.
3 Jul 2007	Medical treatment	Vet: discontinue one hydrotherapy session per day. Hydrotherapy done for 15 inutes SID on left side.
4 Jul 2007	Medical treatment	Hydrotherapy for 15 minutes SID.
5 Jul 2007	Medical treatment	Hydrotherapy in the PM and applied DMSO in the PM SID.
6 Jul 2007	Medical treatment	Hydrotherapy for 15 minutes and applied DMSO in the PM.
7 Jul 2007	Medical treatment	Hydrotherapy for 15 minutes and applied DMSO in the PM.



8 Jul 2007	Medical note	Collected urine samples for hyperprolactinemia study. Will collect urine 1x week for 1 year, start today. Several piles of sandy feces were found from overnight. This comment was added to the following specimens: 000028, 000029, 205003.
8 Jul 2007	Medical treatment	Hydrotherapy done for edema for 15min in PM.
9 Jul 2007	Medical treatment	Hydrotherapy for 15 minutes SID for edema.
10 Jul 2007	Medical treatment	Hydrotherapy for 15 minutes for edema.
11 Jul 2007	Medical treatment	Hydrotherapy for 15 minutes in PM for edema. Did foot work on back right foot.
11 Jul 2007	Medical note	Collected 8cc blood from right ears. Spun down to collect serum for hyperprolactinemia study (along with urine samples taken 1x week for 1 year). This comment was added to the following specimens: 000028, 000029, 205003.
12 Jul 2007	Medical treatment	Hydrotherapy for 15 minutes in PM for edema.
13 Jul 2007	Medical observation	Elephant still has some edema along her ventrum. Continue hydrotherapy with warm water SID UFN. Discontinue DMSO treatment.
13 Jul 2007	Medical treatment	Vet observed edema--still there, continue hydrotherapy but discontinue DMSO. Hydrotherapy done on her left side for 15 minutes.
14 Jul 2007	Medical treatment	Hydrotherapy for 15 minutes in PM.
15 Jul 2007	Medical treatment	Hydrotherapy for 15 minutes on left side for edema. Collected urine sample for ongoing study.
16 Jul 2007	Medical treatment	Hydrotherapy for edema for 15 minutes in AM.
17 Jul 2007	Medical observation	Elephant's ventral edema is almost gone. Discontinue hydrotherapy.
18 Jul 2007	Medical note	8ccs blood taken from all three. Hydrotherapy done for 15 minutes BID on 000028. This comment was added to the following specimens: 000028, 000029, 205003.
22 Jul 2007	Medical note	Urine collected from all. 000028: Hydrotherapy done on her right side for 15 minutes BID. Soaked front left foot in warm water for 15 minutes SID. This comment was added to the following specimens: 000028, 000029, 205003.
27 Jul 2007	Note	Found 3 piles of sandy feces in AM, not sure which animal. This comment was added to the following specimens: 000028, 000029, 205003.
29 Jul 2007	Note	One pile of sandy /rocky feces found from overnight. This comment was added to the following specimens: 000028, 000029, 205003.
30 Jul 2007	Note	Collected urine sample for study. This comment was added to the following specimens: 000029, 205003.
31 Jul 2007	Medical note	Drew 8cc of blood from left ear for banking. This comment was added to the following specimens: 000029, 205003.
5 Aug 2007	Medical note	Urine samples collected for study. This comment was added to the following specimens: 000028, 205003.
8 Aug 2007	Exhibit	Shade structure was completed today including misting system. Elephants were locked out all day. This comment was added to the following specimens: 000028, 000029, 205003.
12 Aug 2007	Medical observation	Edema has returned on left side. Hydrotherapy for 15 minutes BID.
13 Aug 2007	Medical treatment	Elephant has edema on the left ventral side of her abdomen. Treatment of hydrotherapy TO BID and DMSO spray TO SID was started on Sunday.
14 Aug 2007	Medical observation	Elephant has edema on the left ventral side of her abdomen. Treatment of hydrotherapy TO BID and



DMSO spray TO SID was started on Sunday.

14 Aug 2007	Medical treatment	Hydrotherapy on left side for 15 minutes BID and applied DMSO SID to her edema in PM. Manager trimmed back left foot.
15 Aug 2007	Medical treatment	Hydrotherapy on left side for 15 minutes BID and applied DMSO SID to her edema in PM.
16 Aug 2007	Medical treatment	Hydrotherapy on left side for 15 minutes BID and applied DMSO SID to her edema in PM.
17 Aug 2007	Medical treatment	Hydrotherapy on left side for 15 minutes BID and applied DMSO SID to her edema in PM.
18 Aug 2007	Medical treatment	Hydrotherapy on edema for 15minutes BID and applied DMSO SID in the PM.
19 Aug 2007	Medical treatment	Hydrotherapy on edema for 15minutes BID and applied DMSO SID in the PM.
20 Aug 2007	Medical treatment	Hydrotherapy on right side edema BID.
20 Aug 2007	Note	Collected urine samples for study.
This comment was added to the following specimens: 000028, 000029, 205003.		
21 Aug 2007	Medical observation	Elephant's edema has decreased significantly, but is still present. Continue current therapy of hydrotherapy BID and DMSO application SID.
22 Aug 2007	Medical treatment	Hydrotherapy for 15 minutes BID and applied DMSO SID in the PM.
23 Aug 2007	Medical treatment	Hydrotherapy for 15 minutes in BID and applied DMSO SID in the PM. Trimmed pad and filed nails on front right foot.
24 Aug 2007	Medical treatment	Hydrotherapy for 15 minutes in BID and applied DMSO SID in the PM.
25 Aug 2007	Medical treatment	Hydrotherapy for 15 minutes for edema BID.
26 Aug 2007	Medical treatment	Hydrotherapy for 15 minutes for edema BID.
26 Aug 2007	Note	Urine samples collected for study.
This comment was added to the following specimens: 000028, 000029, 205003.		
27 Aug 2007	Medical treatment	Hydrotherapy for 15 minutes for edema BID.
27 Aug 2007	Medical observation	Elephant's edema has decreased. Discontinue hydrotherapy and DMSO application.
28 Aug 2007	Foot management	Footwork done on front left foot.
29 Aug 2007	Medical note	8cc blood taken.
This comment was added to the following specimens: 000028, 000029, 205003.		
5 Sep 2007	Medical note	8cc blood taken from each. Footwork done on both front feet of 000028 and all 4 feet of 000029.
This comment was added to the following specimens: 000028, 000029, 205003.		
11 Sep 2007	Note	Urine collected.
12 Sep 2007	Medical note	8cc blood taken from each. Soaked left front foot of 000028 in warm water for 15 minutes SID.
This comment was added to the following specimens: 000028, 000029, 205003.		
16 Sep 2007	Foot management	Manager trimmed on both front pads.
18 Sep 2007	Enrichment	Exercised in main yard.
24 Sep 2007	Note	Urine collected urine both today.
This comment was added to the following specimens: 000028, 205003.		
25 Sep 2007	Fecal check/worming	No pathogenic bacteria isolated from fecal samples.
This comment was added to the following specimens: 000028, 000029, 205003.		
26 Sep 2007	Note	Collecte blood from all three elephants.
This comment was added to the following specimens: 000028, 000029, 205003.		
27 Sep 2007	Foot management	Keeper trimmed both back feet and manager worked on nails.
2 Oct 2007	Medical treatment	Elephants received their annual vaccines. They each received 2 mls rabies IM and 1 ml EWT-WNV IM in the left semis.



		This comment was added to the following specimens: 000028, 000029, 205003.
11 Oct 2007	Medical note	Drew 8cc of blood.
16 Oct 2007	Medical note	Collected 8cc blood from right ear to be banked. Collected urine sample for study.
		This comment was added to the following specimens: 000029, 205003.
23 Oct 2007	Exhibit	Doors 7 and 8 were painted today. Elephants spent morning in main yard.
		This comment was added to the following specimens: 000028, 000029, 205003.
24 Oct 2007	Medical note	Collected 8cc blood to bank from each elephant.
		This comment was added to the following specimens: 000028, 000029, 205003.
7 Nov 2007	Medical note	8cc blood taken.
8 Nov 2007	Medical note	Collected urine today.
11 Nov 2007	Note	Collected urine from all three elephants for study.
		This comment was added to the following specimens: 000028, 000029, 205003.
12 Nov 2007	Foot management	Nails on both front feet filed.
13 Nov 2007	Diet	Discussion with elephant manager, vet and curators-give straw with hay to elephants as a weight reducer.
		This comment was added to the following specimens: 000028, 000029, 205003.
14 Nov 2007	Medical note	Drew 8cc of blood from the right ear of all three elephants.
		This comment was added to the following specimens: 000028, 000029, 205003.
18 Nov 2007	Note	Collected urine from all three elephants.
		This comment was added to the following specimens: 000028, 000029, 205003.
20 Nov 2007	Diet	Elephant manager asked about feeding elephants straw to keep their weights down. Vet approved doing this.
		This comment was added to the following specimens: 000028, 000029, 205003.
21 Nov 2007	Medical note	Drew blood from each elephant.
		This comment was added to the following specimens: 000028, 000029, 205003.
21 Nov 2007	Medical note	Drew 8cc blood from each.
		This comment was added to the following specimens: 000028, 000029, 205003.
25 Nov 2007	Note	Collected urine from all elephants for study.
		This comment was added to the following specimens: 000028, 000029, 205003.
26 Nov 2007	Diet	Keeper straw amount at 1/4 bale at night.
28 Nov 2007	Diet	Reduced hay amount to 3/4 bale from 1 bale in order for elephant to eat more straw.
28 Nov 2007	Medical note	Collected 8cc blood.
29 Nov 2007	Foot management	Keeper trimmed pads on both back feet and filed nails.
9 Dec 2007	Note	Collected urine samples from each.
		This comment was added to the following specimens: 000028, 000029, 205003.
10 Dec 2007	Foot management	Keeper did foot work on both front feet in PM.
10 Dec 2007	Exhibit	Cleaned exhibit pool today.
		This comment was added to the following specimens: 000028, 000029, 205003.



12 Dec 2007	Medical note	Drew 8cc blood from right ear of each. This comment was added to the following specimens: 000028, 000029, 205003.
17 Dec 2007	Note	Collected urine from each. This comment was added to the following specimens: 000028, 205003.
18 Dec 2007	Foot management	Did work on nails.
18 Dec 2007	Medical treatment	Vet approved use of Keratex hoof hardener on the elephants' nails. Brush on nail SID for one week, then twice weekly UFN. Do not get the liquid on skin (human or elephant). Allow to dry before letting elephants have access to their feet with their trunks. This comment was added to the following specimens: 000028, 000029, 205003.
19 Dec 2007	Medical treatment	Applied Keratex to all of their toenails and used a blowdryer to dry the front toenails. This comment was added to the following specimens: 000029, 205003.
20 Dec 2007	Foot management	Applied Karatex to the nails on all 4 feet.
21 Dec 2007	Foot management	Cleaned feet and applied Karatex to the edge of the nail on all four feet.
26 Dec 2007	Note	Collected urine and 8cc of blood.
26 Dec 2007	Medical treatment	Discontinue applying keratex everyday, as has been done over the past week. UFN it will be applied twice a week on Sunday and Wednesday. This comment was added to the following specimens: 000029, 205003.
2 Jan 2008	Note	Collected urine from each. This comment was added to the following specimens: 000028, 000029, 205003.
3 Jan 2008	Medical treatment	Cleaned feet and applied Karatex to the edge of the nail on all four feet.
13 Jan 2008	Note	Collected urine from all three elephants. This comment was added to the following specimens: 000028, 000029, 205003.
16 Jan 2008	Medical treatment	Applied Karetex along bottom edge of nails on all four feet. Dried nails on front feet with hair drier. This comment was added to the following specimens: 000029, 205003.
20 Jan 2008	Note	Collected urine from all elephants for study. This comment was added to the following specimens: 000028, 000029, 205003.
20 Jan 2008	Medical treatment	Applied Keratex to all four feet. This comment was added to the following specimens: 000029, 205003.
22 Jan 2008	Foot management	Manager did footwork.
23 Jan 2008	Medical note	Collected 8cc of blood for study/bank.
24 Jan 2008	Foot management	Trimmed on both of back feet.
27 Jan 2008	Note	Collected urine for study. This comment was added to the following specimens: 000028, 000029, 205003.
30 Jan 2008	Medical note	Drew 8cc blood.
7 Feb 2008	Note	Collected urine from all elephants. This comment was added to the following specimens: 000028, 000029, 205003.
11 Feb 2008	Note	Collected urine samples.
13 Feb 2008	Medical note	Drew 8cc blood from each. This comment was added to the following specimens: 000029, 205003.



14 Feb 2008	Medical treatment	Hydrotherapy for 15 minutes on left side edema.
15 Feb 2008	Medical treatment	Hydrotherapy for 10min BID on left side edema.
16 Feb 2008	Medical treatment	Hydrotherapy on the edema on left side for 10 minutes with warm water BID. Applied Bag Balm on scrape on the left side of her back neat the spine.
17 Feb 2008	Note	Collected urine from all three.
		This comment was added to the following specimens: 000028, 000029, 205003.
17 Feb 2008	Medical treatment	Hydrotherapy done on left side of belly for 10 minutes BID.
18 Feb 2008	Foot management	Hydrotherapy on left side belly for 10 minutes BID.
19 Feb 2008	Medical treatment	Scrubbed wound on back with betadine and applied Bag Balm. Applied DMSO to edema on left side in PM.
19 Feb 2008	Medical treatment	Lateral and A/P radiographs taken of all four feet. Has edema on the left ventral abdomen. Has been treated with 10 minutes hydrotherapy on the left side since 2/14/08. Start application of DMSO spray TO SID UFN on the left side in addition to hydrotherapy. (LDR) Rx: DIMETHYLSULFOXIDE 90% ad lib ml topically SID until further notice. (JS)
20 Feb 2008	Medical note	Collected 8cc blood.
20 Feb 2008	Medical treatment	Hydrotherapy done on left side of belly for 10 minutes BID.
21 Feb 2008	Medical treatment	Hydrotherapy on left side edema for 15 minutes.
22 Feb 2008	Medical treatment	Hydrotherapy on edema for 10 minutes BID, applied DMSO SID.
22 Feb 2008	Medical observation	Rechecked ventral edema. No remarkable change from when observed on 2/19/08. Continue current treatment of hydrotherapy and DMSO application. (LDR)
23 Feb 2008	Medical treatment	Hydrotherapy on left side edema for 15 minutes.
24 Feb 2008	Note	Collected urine sample.
24 Feb 2008	Medical treatment	Hydrotherapy done on left side of belly for 10 minutes BID.
25 Feb 2008	Medical treatment	Hydrotherapy on left side for 10 minutes BID. Scrubbed wound on back with betadine and applied Bag Balm.
26 Feb 2008	Medical treatment	Hydrotherapy and DMSO discontinued on edema.
26 Feb 2008	Medical observation	Rechecked edema. Not much change in appearance from check on 2/22. Discontinue hydrotherapy and DMSO treatment. Monitor edema.
27 Feb 2008	Medical note	Collected 8cc blood.
		This comment was added to the following specimens: 000028, 000029, 205003.
2 Mar 2008	Note	Collected urine sample.
2 Mar 2008	Physical condition	Small scrape on left ear.
9 Mar 2008	Note	Collected urine sample.
17 Mar 2008	Note	Collected urine.
19 Mar 2008	Medical treatment	Had some pus come out of temporal area on left side. Treated dry areas with Bag Balm and scrubbed with betadine at pus spot. Collected 8ccs blood.
20 Mar 2008	Foot management	Footwork on both front and back feet.
21 Mar 2008	Medical observation	Keeper observed pus near the left temporal gland. Examined; possible abscess in that area.
21 Mar 2008	Medical treatment	Clean the area with betadine solution prior to applying an ad lib amount of ichthammol ointment to the area TO BID, in an effort to soften the area and dry out the abscess. Rx: ICTHAMMOL ad lib oz topically BID until further notice. Rx: POVIDONE-IODINE 10% ad lib mls topically BID until further notice
23 Mar 2008	Note	Collected urine.
28 Mar 2008	Medical observation	Rechecked abscess near left temporal gland. No pus observed; area appears to have healed.
28 Mar 2008	Medical treatment	Discontinue treatment.
31 Mar 2008	Note	Collected urine sample.
6 Apr 2008	Note	Collected urine.
7 Apr 2008	Foot management	Trimmed both back feet and started to trim on front left foot.



7 Apr 2008	Diet	Began 3-day hay consumption evaluation for nutrition study at PM feeding. This comment was added to the following specimens: 000028, 000029, 205003.
8 Apr 2008	Aggression	000028 chased 000029 to far end of yard. 000029 stretched and 000028 pushed her through the hotwire into perimeter fence. 000029 had tusk marks on back in a few places. Elephants were seperated and 000029 was treated with Betadine and warm water on scrapes, then chlorhexadine cream was applied. Observed 000028 checking urine and vulva from 205003 and placing trunk on her vomeronasal gland. This comment was added to the following specimens: 000028, 000029, 205003.
9 Apr 2008	Medical note	8cc blood taken from 000028 and 205003. 4cc taken from 000029. This comment was added to the following specimens: 000028, 000029, 205003.
9 Apr 2008	Behavior Note	000029 came to the door and stuck trunk in 1 time, but never came inside. 000029 was displaced by 000028 through bars in AM. This comment was added to the following specimens: 000029, 205003.
10 Apr 2008	Behavior Note	000029 and 205003 had main yard while 000028 was in holding yard. Fed all 3 in runway together. Much more relaxed today. 000028 and 000029 took turns stealing bamboo from each other. This comment was added to the following specimens: 000028, 000029, 205003.
13 Apr 2008	Behavior Note	000029 was displacing 000028 over hay and displaced 205003 at AM and PM grain. This comment was added to the following specimens: 000028, 000029, 205003.
14 Apr 2008	Introduction Note	Put 000028 and 205003 together in barn (stalls 1,2,3 and ERD - to make a loop) for first time since 8 April. 000028 mildly displaced 205003 with trunk over the back of 205003 (went well). 000029 into ERD and stretched without problems. Overnight: 000028 in stall 4, 000029 in stalls 2,3 (middle) and 205003 in stall 1. 000029 and 205003 greeted 000028 at door 8 when 000029 let out to holding yard. This comment was added to the following specimens: 000028, 000029, 205003.
15 Apr 2008	Introduction Note	Put 000029 and 205003 together again inside in the AM with all doors and ERD opened (went well). 000028 was in the holding yard today. The elephants were fed on the runway and were seen eating together several times throughout the day. This comment was added to the following specimens: 000028, 000029, 205003.
16 Apr 2008	Introduction Note	Put 000028 and 000029 together in AM for 1 hour. 000029 displaced 000028 a few times over food. 000029 and 205003 spent the day in the main yard with 000028 in the holding yard. They were fed on the runway and were seen eating together several times throughout the day. This comment was added to the following specimens: 000028, 000029, 205003.
16 Apr 2008	Medical note	Collected 8cc blood from each. This comment was added to the following specimens: 000028, 000029, 205003.
17 Apr 2008	Introduction Note	000028 and 000029 were put together in teh holding yard and had access to the building. 000029 was unsure at first but they both calmed down quickly. Will continue watching them during the day while they are together. At 2:30pm, put 000028 in main yard with 000029 and 205003 in holding until closing. 000028 locked into stall 4 overnight. 000029 and 205003 given access to holding yard, and stalls 1,2 and 3. This comment was added to the following specimens: 000028, 000029, 205003.
18 Apr 2008	Introduction Note	000029 still very unsure of herself. 000028 and 000029 in together in building and holding yard until 1:30pm. Put together with food piled in holding yard. 000029 dominant at first but went back and forth submitting to each other. Settled down by afternoon. This comment was added to the following specimens: 000028, 000029, 205003.



20 Apr 2008	Introduction Note	<p>000028 took hay from 000029 in AM while in separate stalls. In AM, put 000028 and 205003 in main yard. 000029 was in holding yard and stalls 1 and 2. In the afternoon, locked 000029 in stall 2 and brought 000028 into stall 1. Opened up ERD to make loop inside and gave them access to holding yard. Once door between 000029 and 000028 was opened, 000029 went outside immediately and stretched out in the holding yard. 000028 followed her out and began pushing and shoving 000029 into fence. After about 5-10 minutes, let 205003 out into holding yard with other two. She acted as a buffer and 000028 began to settle down and elephant manager called her over and fed her produce and alfalfa. All the elephants begin to calm down but 000028 continued to position herself so 000029 couldn't leave the holding yard. After about 20-30 minutes, brought all three inside to their own stall. 000029 and 000028 were next to each other. They were observed eating hay next to each other at the bars.</p> <p>This comment was added to the following specimens: 000028, 000029, 205003.</p>
21 Apr 2008	Introduction Note	<p>000029 and 205003 in main yard. 000028 in holding yard and stall #1. 000029 went to far end of main yard when let out. Observed 000029 and 000028 eating and gate 8. When brought inside 000028 in stall 4 and 000028 and 205003 submitted to 000028 twice (put her rear end to her).</p> <p>This comment was added to the following specimens: 000028, 000029, 205003.</p>
23 Apr 2008	Medical observation	<p>Tail had puss around the base of a few hairs. Treated with betadine.</p>
24 Apr 2008	Medical treatment	<p>Scrubbed her tail with betadine in the AM.</p>
25 Apr 2008	Medical treatment	<p>Examined tail. Observed abscess area at base of tail hairs on underside of tail. Clean with betadine solution and apply ichthammol ointment TO SID UFN. (LDR) Rx: ICTHAMMOL ad lib oz topically SID until further notice. Rx: POVIDONE-IODINE 10% ad lib ml topically SID until further notice. (JS)</p>
26 Apr 2008	Behavior Note	<p>000029 very unsure of herself in PM. 000029 and 205003 were in runway with 000028 in holding yard. 000029 ran inside to get away.</p> <p>This comment was added to the following specimens: 000028, 000029, 205003.</p>
27 Apr 2008	Behavior Note	<p>000029 and 205003 were in the main yard and runway. 000028 was in holding yard. They were fed on the runway and were seen eating together throughout the day. In the PM, 205003 was in stall 4 and 000029 was reaching through the ERD with her trunk and hit it with her head and put her foot on the side.</p> <p>This comment was added to the following specimens: 000028, 000029, 205003.</p>
28 Apr 2008	Note	<p>Collected urine.</p>
28 Apr 2008	Behavior Note	<p>In AM, 000028 put on long leg chain connected to a longer chain in the holding yard to give her more movement. All 3 elephants were put together in holding yard. 000029 spent the day in holding yard and 000028 and 205003 were in the main yard and the runway. They were seen eating together several times throughout the day.</p> <p>This comment was added to the following specimens: 000028, 000029, 205003.</p>
29 Apr 2008	Behavior Note	<p>In AM, 000028 was on a leg chain in the holding yard with 000029 and 205003. 000028 spent the day in the holding yard. 205003 and 000029 had the main yard and the runway. They were eating together several times throughout the day. While 000028 was in the ERD for her PM treatment, 000029 was reaching through with trunk and hit the ERD twice with head.</p> <p>This comment was added to the following specimens: 000028, 000029, 205003.</p>
30 Apr 2008	Medical note	<p>Collected blood from all three elephants.</p> <p>This comment was added to the following specimens: 000028, 000029, 205003.</p>
30 Apr 2008	Behavior Note	<p>In AM, 000028 was put on a leg chain in holding yard with 000029 and 205003. 000029 and 000028 went for a pad of hay, 000029 was scared of 000028 and stretched, 000028 stood over 000029 but did nothing else. 000029 and 205003 spent the day in the holding yard, 000028 had the runway and 3 stalls in the building. All observed eating together throughout the day.</p> <p>This comment was added to the following specimens: 000028, 000029, 205003.</p>



1 May 2008	Behavior Note	When elephants were brought in from holding yard in AM. 000029 did not want to walk past 000028. Leg chain on 000028 shortened so there was plenty of room to get by without touching. 000029 still did not want to walk past. Rope place on front foot of 000029, then walked up to door 7 and came through it when opened with not problems.
		This comment was added to the following specimens: 000028, 000029, 205003.
2 May 2008	Medical observation	Rechecked tail. Abscess is healing. No pus was expressed during manipulation.
2 May 2008	Medical treatment	Continue to apply ichthammol ointment as prescribed. (LDR)
6 May 2008	Medical treatment	Rinsed tail, gently scrubbed and applied ichthammol ointment.
7 May 2008	Medical note	Took 8cc blood.
		This comment was added to the following specimens: 000028, 000029, 205003.
9 May 2008	Medical treatment	Rechecked tail. Abscess has opened up. Discontinue ichthammol treatment. (LDR)
12 May 2008	Foot management	Both front feet trimmed.
12 May 2008	Note	Collected urine.
19 May 2008	Note	Collected urine sample for ongoing study.
22 May 2008	Physical condition	Superficial scrape on her right hip in the AM. Applied betadine and Wonderdust to it.
28 May 2008	Medical note	Drew 8cc blood from all elephants today.
		This comment was added to the following specimens: 000028, 000029, 205003.
4 Jun 2008	Foot management	Footwork done on both rear feet.
8 Jun 2008	Note	Urine collected from all elephants today.
		This comment was added to the following specimens: 000028, 000029, 205003.
9 Jun 2008	Physical condition	Edema noted on left side of abdomen.
10 Jun 2008	Medical observation	Examined edema. Large amount of edema observed on elephant's left ventral abdomen.
10 Jun 2008	Medical treatment	Treat edema with hydrotherapy and DMSO spray topically SID UFN. (LDR)
10 Jun 2008	Medical treatment	Hydrotherapy on edema for 10 min SID.
10 Jun 2008	Foot management	Footwork done on rear left foot. Opened up middle nail.
11 Jun 2008	Medical treatment	Hydrotherapy for 10 min on left side edema.
11 Jun 2008	Medical note	8cc blood collected from all elephants.
		This comment was added to the following specimens: 000028, 000029, 205003.
12 Jun 2008	Medical treatment	Hydrotherapy for 10 minutes on edema and applied DMSO in the PM.
13 Jun 2008	Medical treatment	Hydrotherapy on left side edema for 15 minutes and applied DMSO in PM.
14 Jun 2008	Medical treatment	Hydrotherapy on both sides for 15 minutes.
15 Jun 2008	Medical treatment	Hydrotherapy for 10 minutes on left/middle side edema and applied DMSO in PM.
16 Jun 2008	Medical treatment	Hydrotherapy for 10 minutes on left/middle side edema and applied DMSO in PM.
17 Jun 2008	Medical treatment	Hydrotherapy for 10 minutes on left/middle side edema and applied DMSO in PM.
18 Jun 2008	Medical note	8cc blood taken.
		This comment was added to the following specimens: 000028, 000029, 205003.
20 Jun 2008	Medical observation	Rechecked edema; mostly resolved. Discontinue treatment and monitor for any reoccurrence. (LDR)
25 Jun 2008	Medical note	Collected 8cc blood from each.
		This comment was added to the following specimens: 000028, 000029, 205003.
25 Jun 2008	Note	Urine sample collected.
1 Jul 2008	Physical condition	Clear vaginal discharge.
10 Jul 2008	Medical note	Collected 8cc blood from each.



This comment was added to the following specimens: 000028, 000029, 205003.

24 Jul 2008 Medical note

Blood taken from all 3 elephants.

This comment was added to the following specimens: 000028, 000029, 205003.

29 Jul 2008 Foot management

Footwork on both front feet.

6 Aug 2008 Medical note

Collected 16cc blood for serum research project.

This comment was added to the following specimens: 000028, 000029, 205003.

7 Aug 2008 Note

Collected 100mL urine for research study.

8 Aug 2008 Medical treatment

Hydrotherapy on left side for 10 minutes in PM.

9 Aug 2008 Medical treatment

Hydrotherapy on left side for 10 minutes in PM.

10 Aug 2008 Medical treatment

Hydrotherapy on left side for 10 minutes in PM.

12 Aug 2008 Medical treatment

Hydrotherapy on left side for 10 minutes in PM.

13 Aug 2008 Medical note

8cc blood taken.

13 Aug 2008 Medical treatment

Hydrotherapy on left side for 10 minutes in PM.

14 Aug 2008 Medical treatment

Hydrotherapy on left side for 10 minutes in PM.

15 Aug 2008 Medical treatment

Vet would like to continue hydrotherapy on edema.

15 Aug 2008 Medical treatment

Hydrotherapy on left side for 10 minutes in PM.

17 Aug 2008 Medical treatment

Cleaned off edema and applied DMSO in PM.

19 Aug 2008 Medical observation

Rechecked edema. Appears to be resolving. Continue current treatment prescribed. (LDR)

19 Aug 2008 Medical note

Drew 8cc blood from each.

This comment was added to the following specimens: 000028, 000029, 205003.

19 Aug 2008 Physical condition

Has a crack in her top left tooth.

20 Aug 2008 Medical treatment

Hydrotherapy on left side for 10 minutes in PM and applied DMSO.

22 Aug 2008 Medical treatment

Hydrotherapy on left side for 10 minutes in PM and applied DMSO.

23 Aug 2008 Medical treatment

Hydrotherapy on left side for 10 minutes in PM and applied DMSO.

24 Aug 2008 Medical treatment

Hydrotherapy on left side for 10 minutes in PM and applied DMSO.

Medical History Report - Summary for Individual Specimen
VIRGINIA ZOOLOGICAL PARK

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LOXODONTA AFRICANA (no subsp)	Sex: Female	Acc. #: 205003
African elephant	Age: 40Y 2M Est.	Birth: 1.Jul.1968
Name: CITA		

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.....2007...

- 3.Apr PROBLEM: annual tb trunk washes (onset)
Clinical note recorded. (LDR)
- 6.Apr Clinical note recorded. (LDR)
- 10.Apr PROBLEM: annual tb trunk washes (resolved)
Clinical note recorded. (LDR)

- 2.May Clinical note recorded. (LDR)
- 9.May Clinical note recorded. (LDR)
- 23.May Clinical note recorded. (LDR)
- 30.May Clinical note recorded. (LDR)
- 31.May Clinical note recorded. (LDR)

- 1.Jun Rx: DIMETHYLSULFOXIDE 90% ad libml topically SID for 47 days.
Clinical note recorded. (JS)
Clinical note recorded. (LDR)
- 2.Jun Clinical note recorded. (LDR)
- 3.Jun Clinical note recorded. (LDR)
- 4.Jun Clinical note recorded. (LDR)
- 5.Jun Clinical note recorded. (LDR)
- 6.Jun Clinical note recorded. (LDR)
- 7.Jun Clinical note recorded. (LDR)
- 8.Jun Clinical note recorded. (LDR)
- 9.Jun Clinical note recorded. (LDR)
- 10.Jun Clinical note recorded. (LDR)
- 11.Jun Clinical note recorded. (LDR)
- 12.Jun Clinical note recorded. (LDR)
- 13.Jun Clinical note recorded. (LDR)
- 14.Jun Clinical note recorded. (LDR)
- 15.Jun Clinical note recorded. (LDR)
- 16.Jun Clinical note recorded. (LDR)
- 17.Jun Clinical note recorded. (LDR)
- 18.Jun Clinical note recorded. (LDR)
- 19.Jun Clinical note recorded. (LDR)
- 20.Jun Clinical note recorded. (LDR)
- 21.Jun Clinical note recorded. (LDR)
- 22.Jun Clinical note recorded. (LDR)
- 23.Jun Clinical note recorded. (LDR)

ELEMEDHX

- 24.Jun Clinical note recorded. (LDR)
- 25.Jun Clinical note recorded. (LDR)
- 26.Jun Clinical note recorded. (LDR)
- 27.Jun Clinical note recorded. (LDR)
- 28.Jun Clinical note recorded. (LDR)
- 29.Jun Clinical note recorded. (LDR)
- 30.Jun Clinical note recorded. (LDR)

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Medical History Report - Summary for Individual Specimen
VIRGINIA ZOOLOGICAL PARK

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LOXODONTA AFRICANA (no subsp)	Sex: Female	Acc. #: 205003
African elephant	Age: 40Y 2M Est.	Birth: 1.Jul.1968
Name: CITA		

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.....2007...

- 1.Jul Clinical note recorded. (LDR)
- 2.Jul Clinical note recorded. (LDR)
- 3.Jul Clinical note recorded. (LDR)
- 5.Jul Clinical note recorded. (LDR)
- 6.Jul Clinical note recorded. (LDR)
- 7.Jul Clinical note recorded. (LDR)
- 8.Jul Clinical note recorded. (LDR)
- 9.Jul Clinical note recorded. (LDR)
- 10.Jul Clinical note recorded. (LDR)

Weight: 3530 Kg (7780 Lb)

- 11.Jul Clinical note recorded. (LDR)
- 12.Jul Clinical note recorded. (LDR)
- 13.Jul Clinical note recorded. (LDR)
- 14.Jul Clinical note recorded. (LDR)
- 15.Jul Clinical note recorded. (LDR)
- 16.Jul Clinical note recorded. (LDR)
- 17.Jul Clinical note recorded. (LDR)
- 18.Jul Clinical note recorded. (LDR)
- 22.Jul Clinical note recorded. (LDR)
- 27.Jul Clinical note recorded. (LDR)
- 30.Jul Clinical note recorded. (LDR)
- 31.Jul Clinical note recorded. (LDR)

- 5.Aug Clinical note recorded. (LDR)
- 12.Aug Rx: DIMETHYLSULFOXIDE 90% ad libml topically SID for 17 days.
Clinical note recorded. (JS)
- 14.Aug Clinical note recorded. (LDR)

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17.Aug Clinical note recorded. (LDR)
20.Aug Clinical note recorded. (LDR)
21.Aug Clinical note recorded. (LDR)
26.Aug Clinical note recorded. (LDR)
28.Aug Clinical note recorded. (LDR)
29.Aug Clinical note recorded. (LDR)

5.Sep Clinical note recorded. (LDR)
11.Sep Clinical note recorded. (LDR)
12.Sep Clinical note recorded. (LDR)
24.Sep Clinical note recorded. (LDR)
26.Sep Clinical note recorded. (LDR)

2.Oct Vaccination: IMRAB 2ml IM q365d
EWT-WNV COMBO 2ml IM q365d
Clinical note recorded. (JS)

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Medical History Report - Summary for Individual Specimen
VIRGINIA ZOOLOGICAL PARK

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LOXODONTA AFRICANA (no subsp)	Sex: Female	Acc. #: 205003
African elephant	Age: 40Y 2M Est.	Birth: 1.Jul.1968
Name: CITA		

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.....2007...

2.Oct Clinical note recorded. (LDR)
11.Oct Clinical note recorded. (LDR)
16.Oct Clinical note recorded. (LDR)
24.Oct Clinical note recorded. (LDR)

7.Nov Clinical note recorded. (LDR)
8.Nov Clinical note recorded. (LDR)
11.Nov Clinical note recorded. (LDR)
13.Nov Clinical note recorded. (LDR)
14.Nov Clinical note recorded. (LDR)
18.Nov Clinical note recorded. (LDR)
21.Nov Clinical note recorded. (LDR)
26.Nov Clinical note recorded. (LDR)
28.Nov Clinical note recorded. (LDR)

11.Dec Clinical note recorded. (LDR)
17.Dec Clinical note recorded. (LDR)
18.Dec Clinical note recorded. (LDR)
19.Dec Purpose/Problem: harden nails

ELEMEDHX

Rx: KERATEX HOOF HARDENER ad libml topically SID for 7 days.

Clinical note recorded. (JS)

Clinical note recorded. (LDR)

26.Dec Purpose/Problem: harden nails

Rx: KERATEX HOOF HARDENER ad libml topically q72h until further notice.

Clinical note recorded. (JS)

Clinical note recorded. (LDR)

.....2008...

2.Jan Clinical note recorded. (LDR)

13.Jan Clinical note recorded. (LDR)

19.Jan Clinical note recorded. (LDR)

23.Jan Clinical note recorded. (LDR)

27.Jan Clinical note recorded. (LDR)

30.Jan Clinical note recorded. (LDR)

7.Feb Clinical note recorded. (LDR)

11.Feb Clinical note recorded. (LDR)

16.Feb Clinical note recorded. (LDR)

17.Feb Clinical note recorded. (LDR)

19.Feb Rx: DIMETHYLSULFOXIDE 90% ad libml topically SID for 8 days.

Clinical note recorded. (JS)

Clinical note recorded. (LDR)

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Medical History Report - Summary for Individual Specimen
VIRGINIA ZOOLOGICAL PARK

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LOXODONTA AFRICANA (no subsp)      Sex: Female      Acc. #: 205003
African elephant                   Age: 40Y 2M Est. Birth: 1.Jul.1968
Name: CITA
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.....2008...

21.Feb Clinical note recorded. (LDR)

22.Feb Clinical note recorded. (LDR)

24.Feb Clinical note recorded. (LDR)

26.Feb Clinical note recorded. (LDR)

27.Feb Clinical note recorded. (LDR)

2.Mar Clinical note recorded. (LDR)

7.Mar Clinical note recorded. (LDR)

9.Mar Clinical note recorded. (LDR)

17.Mar Clinical note recorded. (LDR)

ELEMEDHX

19.Mar Rx: POVIDONE-IODINE 10% ad libmls topically BID for 10 days.

Clinical note recorded. (JS)

Clinical note recorded. (LDR)

21.Mar Rx: ICTHAMMOL ad liboz topically BID for 8 days.

Clinical note recorded. (JS)

Clinical note recorded. (LDR)

23.Mar Clinical note recorded. (LDR)

28.Mar Clinical note recorded. (LDR)

31.Mar Clinical note recorded. (LDR)

9.Apr Clinical note recorded. (LDR)

23.Apr Clinical note recorded. (LDR)

25.Apr Rx: ICTHAMMOL ad liboz topically SID for 15 days.

POVIDONE-IODINE 10% ad libml topically SID for 15 days.

Clinical note recorded. (JS)

Clinical note recorded. (LDR)

30.Apr Weight: 3625 Kg (7990 Lb)

2.May Clinical note recorded. (LDR)

7.May Clinical note recorded. (LDR)

9.May Clinical note recorded. (LDR)

12.May Clinical note recorded. (LDR)

22.May Clinical note recorded. (LDR)

28.May Clinical note recorded. (LDR)

8.Jun Clinical note recorded. (LDR)

9.Jun Clinical note recorded. (LDR)

10.Jun Rx: DIMETHYLSULFOXIDE 90% ad libml topically SID for 11 days.

Clinical note recorded. (BF)

Clinical note recorded. (LDR)

11.Jun Clinical note recorded. (LDR)

18.Jun Clinical note recorded. (LDR)

20.Jun Clinical note recorded. (LDR)

25.Jun Clinical note recorded. (LDR)

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Medical History Report - Summary for Individual Specimen
VIRGINIA ZOOLOGICAL PARK

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LOXODONTA AFRICANA (no subsp)      Sex: Female      Acc. #: 205003
African elephant                   Age: 40Y 2M Est. Birth: 1.Jul.1968
Name: CITA
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.....2008...

ELEMEDHX

1.Jul Clinical note recorded. (LDR)
10.Jul Clinical note recorded. (LDR)
22.Jul Clinical note recorded. (LDR)
24.Jul Clinical note recorded. (LDR)

6.Aug Clinical note recorded. (LDR)
7.Aug Clinical note recorded. (LDR)
8.Aug Clinical note recorded. (LDR)
9.Aug Clinical note recorded. (LDR)
10.Aug Clinical note recorded. (LDR)
11.Aug Clinical note recorded. (LDR)
12.Aug Clinical note recorded. (LDR)
13.Aug Clinical note recorded. (LDR)
14.Aug Clinical note recorded. (LDR)
15.Aug Clinical note recorded. (LDR)
17.Aug Clinical note recorded. (LDR)
19.Aug Clinical note recorded. (LDR)
20.Aug Clinical note recorded. (LDR)

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LOXODONTA AFRICANA (no subsp)

Sex: Female

Acc. #: 205003

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African elephant
Name: CITA

Age: 40Y 2M Est. Birth: 1.Jul.1968

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Clinical Note: 3.Apr.2007

Problem: annual tb trunk washes

First TB trunk wash was collected today. 60 mls sterile sodium chloride was introduced into the trunk, and then collected as it drained out. 50 mls was placed into a sample vial and frozen; all 3 samples will be sent to National Veterinary Services Laboratory when TB trunk washes completed.

First TB trunk wash was collected today. 60 mls sterile sodium chloride was introduced into the trunk, and then collected as it drained out. 50 mls was placed into a sample vial and frozen; all 3 samples will be sent to National Veterinary Services Laboratory when TB trunk washes completed. (LDR)

Clinical Note: 6.Apr.2007

Problem: annual tb trunk washes

Second TB trunk wash was collected today. (LDR)

Clinical Note: 10.Apr.2007

Problem: annual tb trunk washes

Third TB trunk wash was collected today. (LDR)

Clinical Note: 2.May.2007

8 mls of blood collected from ear to be banked. (LDR)

Clinical Note: 9.May.2007

8 mls blood collected from ear for banking. (LDR)

Clinical Note: 23.May.2007

8 mls of blood was drawn from left ear of elephant. Samples banked. (LDR)

Clinical Note: 30.May.2007

Noted edema on ventral abdomen on either side of midline. (LDR)

ELEMEDHX

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LOXODONTA AFRICANA (no subsp)	Sex: Female	Acc. #: 205003
African elephant	Age: 40Y 2M Est.	Birth: 1.Jul.1968
Name: CITA		

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Clinical Note: 31.May.2007
Tx: Hydrotherapy on edema on both sides of abdomen; DMSO applied to edema.
(LDR)

Clinical Note: 1.Jun.2007
Rx: DIMETHYLSULFOXIDE 90% ad lib ml topically SID until further notice.
(JS)

Clinical Note: 1.Jun.2007
Treat edema with hydrotherapy SID UFN and DMSO liquid spray on edematous
areas SID UFN.

Tx: Hydrotherapy for 15 minutes on both sides of her abdominal edema; DMSO
applied topically. (LDR)

Prescription Data >> Starting date: 1.Jun.2007
Drug: DIMETHYLSULFOXIDE 90% ad lib ml topically SID for 47
days
Formulation: liquid
Prescribed by: JS (1.Jun.2007) Filled by: LDR (1.Jun.2007)
Treatment weight: 3395 kg

Comments >>
Topical treatment: Apply to edema on sides

Originally prescribed until further notice.
Discontinued on 17.Jul.2007

Clinical Note: 2.Jun.2007
Tx: hydrotherapy on both sides of abdomen for 15 minutes. DMSO
applied. (LDR)

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Clinical Note: 3.Jun.2007
Tx: Hydrotherapy on edema on both sides of abdomen for 15 minutes BID.
(LDR)

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LOXODONTA AFRICANA (no subsp)      Sex: Female      Acc. #: 205003
African elephant                  Age: 40Y 2M Est. Birth: 1.Jul.1968
Name: CITA
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Clinical Note: 4.Jun.2007
Tx: Hydrotherapy for 15 minutes on edema on left and right side of
abdomen. (LDR)

Clinical Note: 5.Jun.2007
Edema appears to be decreasing. Continue hydrotherapy and DMSO
treatments.
Tx: Hydrotherapy on edema for 15 minutes BID. (LDR)

Clinical Note: 6.Jun.2007
BACTERIOLOGY RESULTS FOR FECAL CULTURE:
Completed: 5-30-07/1:41p

AEROBIC CULTURE 5-30-07/1:41P
SAMPLE ORGANISM
Feces No pathogenic bacteria isolated

SALMONELLA CULTURE 5-30-07/1:41p Negative (LDR)

Clinical Note: 7.Jun.2007
Tx: Hydrotherapy on edema for 15 minutes BID. (LDR)

Clinical Note: 8.Jun.2007
Tx: Hydrotherapy on edema for 15 minutes. (LDR)

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Clinical Note: 9.Jun.2007
Tx: Hydrotherapy on edema for 15 minutes. (LDR)

Clinical Note: 10.Jun.2007
Tx: hydrotherapy on edema for 15 minutes BID.
Loose sandy feces found in stalls in am. Observed #000029 defecating
in pm, feces were not loose, but very pungent. (LDR)

Printed on: 27.Aug.2008

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LOXODONTA AFRICANA (no subsp)	Sex: Female	Acc. #: 205003
African elephant	Age: 40Y 2M Est.	Birth: 1.Jul.1968
Name: CITA		

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Clinical Note: 11.Jun.2007
Feces all appeared normal today.
Tx: Hydrotherapy on edema for 15 minutes BID. (LDR)

Clinical Note: 12.Jun.2007
Edema is now along one side only. Continue current therapy. (LDR)

Clinical Note: 13.Jun.2007
Tx: Hydrotherapy on edema on left side for 15 minutes BID. (LDR)

Clinical Note: 14.Jun.2007
Tx: Hydrotherapy on edema on left side for 15 minutes BID. DMSO
applied SID. (LDR)

Clinical Note: 15.Jun.2007
Edema is improving. It is softer than what it was on 6/12/07.
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Continue current therapy.

Tx: Hydrotherapy on edema on left side for 15 minutes BID. DMSO applied SID. (LDR)

Clinical Note: 16.Jun.2007

Tx: Hydrotherapy on her left side for 15 minutes BID. DMSO applied SID. (LDR)

Clinical Note: 17.Jun.2007

Tx: Hydrotherapy on her left side for 15 minutes BID. DMSO applied SID. (LDR)

Clinical Note: 18.Jun.2007

Tx: Hydrotherapy on edema for 15 minutes BID. DMSO applied SID. (LDR)

Printed on: 27.Aug.2008

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LOXODONTA AFRICANA (no subsp)      Sex: Female      Acc. #: 205003
African elephant                   Age: 40Y 2M Est. Birth: 1.Jul.1968
Name: CITA
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Clinical Note: 19.Jun.2007

Tx: Hydrotherapy on edema for 15 minutes BID. DMSO applied SID. (LDR)

Clinical Note: 20.Jun.2007

Tx: Hydrotherapy on edema for 15 minutes BID. DMSO applied SID. (LDR)

Clinical Note: 21.Jun.2007

Tx: Hydrotherapy on edema for 15 minutes BID. DMSO applied SID. (LDR)

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Clinical Note: 22.Jun.2007
Tx: Hydrotherapy on edema for 15 minutes BID. DMSO applied SID. (LDR)

Clinical Note: 23.Jun.2007
Tx: Hydrotherapy on edema for 15 minutes BID. DMSO applied SID. (LDR)

Clinical Note: 24.Jun.2007
Tx: Hydrotherapy on edema for 15 minutes BID. DMSO applied SID. (LDR)

Clinical Note: 25.Jun.2007
Tx: Hydrotherapy on edema for 15 minutes BID. DMSO applied SID. (LDR)

Printed on: 27.Aug.2008

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LOXODONTA AFRICANA (no subsp)   Sex: Female   Acc. #: 205003
African elephant                Age: 40Y 2M Est.  Birth: 1.Jul.1968
Name: CITA
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Clinical Note: 26.Jun.2007
TRUNK WASH RESULTS FROM NATIONAL VETERINARY SERVICES LABORATORIES:
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ELEMEDHX

ACCESSION: 494149

SPECIES: ELEPHANT

NVSL ID	CASE #	SAMPLE ID	ANIMAL ID
1674251	0708172	1/4-3-7	CITA 205003
	Mycobacteria Isolation		
	Diagnosis: No Isolation Made		
	Specimen submitted: Trunk Wash		
1674252	0708173	1/4-6-7	CITA 205003
	Mycobacteria Isolation		
	Diagnosis: No Isolation Made		
	Specimen submitted: Trunk Wash		
1674253	0708174	1/4-10-07	CITA 205003
	Mycobacteria Isolation		
	Diagnosis: No Isolation Made		
	Specimen submitted: Trunk Wash		

Distribution:
Submitter
Laboratories
6/25/07

Approved by: Janet Payeur
National Veterinary Services

Tx: Hydrotherapy on edema for 15 minutes BID. DMSO topically SID. (LDR)

Clinical Note: 27.Jun.2007
Tx: Hydrotherapy on edema for 15 minutes BID. DMSO applied SID. (LDR)

Clinical Note: 28.Jun.2007
Tx: Hydrotherapy on edema for 15 minutes BID. DMSO applied SID. (LDR)

Printed on: 27.Aug.2008

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LOXODONTA AFRICANA (no subsp) Sex: Female Acc. #: 205003
African elephant Age: 40Y 2M Est. Birth: 1.Jul.1968
Name: CITA
=====

Clinical Note: 29.Jun.2007
Tx: Hydrotherapy on edema for 15 minutes SID. DMSO applied SID. (LDR)

Clinical Note: 30.Jun.2007
Tx: Hydrotherapy on edema for 15 minutes SID. DMSO applied SID. (LDR)

Clinical Note: 1.Jul.2007
Tx: Hydrotherapy on edema for 15 minutes SID. DMSO applied SID. (LDR)

Clinical Note: 2.Jul.2007
Tx: Hydrotherapy on edema for 15 minutes SID. DMSO applied SID. (LDR)

Clinical Note: 3.Jul.2007
Edema is improving. Continue hydrotherapy SID and DMSO SID UFN. (LDR)

Clinical Note: 5.Jul.2007
Tx: Hydrotherapy on edema for 15 minutes SID. DMSO applied SID. (LDR)

Clinical Note: 6.Jul.2007
Tx: Hydrotherapy on edema for 15 minutes SID. DMSO applied SID. (LDR)

Clinical Note: 7.Jul.2007
Tx: Hydrotherapy on edema for 15 minutes SID. DMSO applied SID. (LDR)

Clinical Note: 8.Jul.2007
Tx: Hydrotherapy on edema for 15 minutes SID. DMSO applied SID.
Collected urine samples for hyperprolactinemia study. Urine will be
collected once a week for one year, with a start date of 7/8/07. (LDR)

Clinical Note: 9.Jul.2007
Tx: Hydrotherapy on edema for 15 minutes SID. DMSO applied SID. (LDR)

Printed on: 27.Aug.2008

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LOXODONTA AFRICANA (no subsp) Sex: Female Acc. #: 205003
African elephant Age: 40Y 2M Est. Birth: 1.Jul.1968
Name: CITA
=====

Clinical Note: 10.Jul.2007
Tx: Hydrotherapy on edema for 15 minutes SID. DMSO applied SID. (LDR)

Clinical Note: 11.Jul.2007
Tx: Hydrotherapy on edema for 15 minutes SID. DMSO applied SID.
8 mls blood was taken from the right ear and spun down to collect
serum for the hyperprolactemia study (collecting urine samples as
well). (LDR)

Clinical Note: 12.Jul.2007
Tx: Hydrotherapy on edema for 15 minutes SID. DMSO applied SID. (LDR)

Clinical Note: 13.Jul.2007
Elephant still has some edema along her ventrum. Continue
hydrotherapy with warm water SID UFN. Discontinue DMSO treatment. (LDR)

Clinical Note: 14.Jul.2007
Tx: Hydrotherapy on edema for 15 minutes SID. (LDR)

Clinical Note: 15.Jul.2007
Tx: Hydrotherapy on edema for 15 minutes SID. Collected urine sample
for ongoing study. (LDR)

Clinical Note: 16.Jul.2007
Tx: Hydrotherapy on edema for 15 minutes SID. (LDR)

Clinical Note: 17.Jul.2007
Elephant's ventral edema is almost gone. Discontinue hydrotherapy. (LDR)

ELEMEDHX

Clinical Note: 18.Jul.2007
8 mls blood withdrawn from ear vein. (LDR)

Printed on: 27.Aug.2008

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LOXODONTA AFRICANA (no subsp) Sex: Female Acc. #: 205003
African elephant Age: 40Y 2M Est. Birth: 1.Jul.1968
Name: CITA
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Clinical Note: 22.Jul.2007
Urine collected for study. (LDR)

Clinical Note: 27.Jul.2007
Found three piles of sandy feces in the morning. Not sure which
elephant defecated this. (LDR)

Clinical Note: 30.Jul.2007
Urine samples collected for study. (LDR)

Clinical Note: 31.Jul.2007
8 mls blood was drawn from elephant's left ear for banking serum, (LDR)

Clinical Note: 5.Aug.2007
Urine sample collected for study. (LDR)

Clinical Note: 12.Aug.2007
Rx: DIMETHYLSULFOXIDE 90% ad lib ml topically SID until further
notice. (JS)

ELEMEDHX

Prescription Data >>

Starting date: 12.Aug.2007

Drug: DIMETHYLSULFOXIDE 90% ad lib ml topically SID for 17 days

Formulation: liquid

Prescribed by: JS (12.Aug.2007)

Filled by: LDR (12.Aug.2007)

Treatment weight: 3530 kg

Comments >>

Topical treatment: Apply to edema on ventrum.

Originally prescribed until further notice.

Discontinued on 28.Aug.2007

Printed on: 27.Aug.2008

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LOXODONTA AFRICANA (no subsp)	Sex: Female	Acc. #: 205003
African elephant	Age: 40Y 2M Est.	Birth: 1.Jul.1968
Name: CITA		

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Clinical Note: 14.Aug.2007
Elephant has edema on the left ventral side of her abdomen. Treatment of hydrotherapy TO BID and DMSO spray TO SID was started on Sunday. (LDR)

Clinical Note: 17.Aug.2007
Fecal cultures submitted for routine culture. (LDR)

Clinical Note: 20.Aug.2007
Urine samples collected for study. (LDR)

Clinical Note: 21.Aug.2007
Elephant's edema has decreased significantly, but is still present. Continue current therapy of hydrotherapy BID and DMSO application SID. (LDR)

ELEMEDHX

Clinical Note: 26.Aug.2007
Urine samples collected for study. (LDR)

Clinical Note: 28.Aug.2007
Elephant's edema has decreased. Discontinue hydrotherapy and DMSO application. (LDR)

Clinical Note: 29.Aug.2007
8 mls of blood withdrawn from ear. (LDR)

Clinical Note: 5.Sep.2007
8 mls blood taken from ear for study. (LDR)

Clinical Note: 11.Sep.2007
Urine collected for study. (LDR)

Printed on: 27.Aug.2008

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LOXODONTA AFRICANA (no subsp) Sex: Female Acc. #: 205003
African elephant Age: 40Y 2M Est. Birth: 1.Jul.1968
Name: CITA
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Clinical Note: 12.Sep.2007
8 mls blood collected from ear for study. (LDR)

Clinical Note: 24.Sep.2007
Collected urine for study. (LDR)

Clinical Note: 26.Sep.2007
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ELEMEDHX

BACTERIOLOGY FECAL CULTURE, IVOR REGIONAL LAB:

Accession: 24450-07

Sample: Feces

Completed: 8-31-2007/9:23a

AEROBIC CULTURE: No pathogenic bacteria isolated.

SALMONELLA CULTURE: Negative

8 mls blood collected from ear for study. (LDR)

Clinical Note: 2.Oct.2007

Rx: IMRAB 2 ml IM q365d for 1 day.

Rx: EWT-WNV COMBO VACCINE 2 ml IM q365d for 1 day. (JS)

Clinical Note: 2.Oct.2007

Annual vaccinations given. Received 2 mls rabies IM and 2 mls EWT-WNV IM once in left semis. (LDR)

Prescription Data >> Starting date: 2.Oct.2007

Drug: IMRAB 2 ml IM q365d

Formulation: injectable

Prescribed by: JS (2.Oct.2007) Filled by: JS (2.Oct.2007)

Treatment weight: 3530 kg

Retreatment scheduled for 1.Oct.2008

Prescription Data >> Starting date: 2.Oct.2007

Drug: EWT-WNV COMBO 2 ml IM q365d

Formulation: injectable

Prescribed by: JS (2.Oct.2007) Filled by: JS (2.Oct.2007)

Treatment weight: 3530 kg

Retreatment scheduled for 1.Oct.2008

Printed on: 27.Aug.2008

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LOXODONTA AFRICANA (no subsp) Sex: Female Acc. #: 205003
 African elephant Age: 40Y 2M Est. Birth: 1.Jul.1968
 Name: CITA

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ELEMEDHX

Clinical Note: 11.Oct.2007
Drew 8 mls blood from ear vein. (LDR)

Clinical Note: 16.Oct.2007
Collected 8 mls blood from right ear for banking.
Collected urine sample for study. (LDR)

Clinical Note: 24.Oct.2007
8 mls of blood collected to bank. (LDR)

Clinical Note: 7.Nov.2007
8 mls blood collected for banking. (LDR)

Clinical Note: 8.Nov.2007
Urine collected for study. (LDR)

Clinical Note: 11.Nov.2007
Urine collected for study. (LDR)

Clinical Note: 13.Nov.2007
Discussion with elephant manager, veterinarian, and curators: Start giving straw with hay to the elephants as a weight reducer. (LDR)

Clinical Note: 14.Nov.2007
8 mls of blood withdrawn from the right ear for banking. (LDR)

Clinical Note: 18.Nov.2007
Urine collected for study. (LDR)

Clinical Note: 21.Nov.2007
Elephant manager asked about feeding elephants straw to keep their weights down. Vet approved doing this. (LDR)

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LOXODONTA AFRICANA (no subsp) Sex: Female Acc. #: 205003
African elephant Age: 40Y 2M Est. Birth: 1.Jul.1968
Name: CITA

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Clinical Note: 26.Nov.2007
Collected urine for study.
No change in amount of straw offered per night (1/4 bale). (LDR)

Clinical Note: 28.Nov.2007
Elephant manager reduced amount of hay elephant receives from 1 bale
to 3/4 bale so she will eat more of her straw.
8 mls blood collected for banking. (LDR)

Clinical Note: 11.Dec.2007
8 mls blood drawn from right ear for banking. (LDR)

Clinical Note: 17.Dec.2007
Urine collected for study. (LDR)

Clinical Note: 18.Dec.2007
Approved use of Keratex hoof hardener on the elephants' nails. Brush
on nail SID for one week, then twice weekly UFN. Do not get the
liquid on skin (human or elephant). Allow to dry before letting
elephants have access to their feet with their trunks. (LDR)

Clinical Note: 19.Dec.2007
Rx: KERATEX HOOF HARDENER ad lib ml topically SID for 7 days. (JS)

Clinical Note: 19.Dec.2007
Began application of Keratex to all toenails today. Blowdryer was
used to dry front toenails. (LDR)

Purpose: harden nails

Prescription Data >> Starting date: 19.Dec.2007
Drug: KERATEX HOOF HARDENER ad lib ml topically SID for 7 days
Formulation: liquid
Prescribed by: JS (18.Dec.2007) Filled by: LDR (18.Dec.2007)
Page 21

ELEMEDHX
Treatment weight: 3530 kg

Comments >>

Topical treatment: Apply to nails
KERATEX HOOF HARDENER = FORMALIN + AMMONIUM CHLORIDE

Printed on: 27.Aug.2008

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LOXODONTA AFRICANA (no subsp)	Sex: Female	Acc. #: 205003
African elephant	Age: 40Y 2M Est.	Birth: 1.Jul.1968
Name: CITA		

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Clinical Note: 26.Dec.2007
Rx: KERATEX HOOF HARDENER ad lib ml topically q72h until further notice. (JS)

Clinical Note: 26.Dec.2007
8 mls blood collected for banking; urine collected for study. (LDR)

Purpose: harden nails

Prescription Data >> Starting date: 26.Dec.2007
Drug: KERATEX HOOF HARDENER ad lib ml topically q72h until further notice
Formulation: liquid
Prescribed by: JS (18.Dec.2007) Filled by: LDR (18.Dec.2007)
Treatment weight: 3530 kg

Comments >>

Topical treatment: Apply to nails
KERATEX HOOF HARDENER = FORMALIN + AMMONIUM CHLORIDE

Clinical Note: 2.Jan.2008
Urine collected for study. (LDR)

Clinical Note: 13.Jan.2008
Collected urine for study. (LDR)

ELEMEDHX

Clinical Note: 19.Jan.2008
Urine collected for study. (LDR)

Clinical Note: 23.Jan.2008
8 mls blood collected for study and to bank. (LDR)

Printed on: 27.Aug.2008 /ISIS/MedARKS/5.53.a

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LOXODONTA AFRICANA (no subsp)      Sex: Female      Acc. #: 205003
African elephant                   Age: 40Y 2M Est. Birth: 1.Jul.1968
Name: CITA
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Clinical Note: 27.Jan.2008
Urine collected for study. (LDR)

Clinical Note: 30.Jan.2008
BACTERIOLOGY FECAL CULTURE RESULTS: No pathogenic bacteria isolated.
No salmonella or pathogenic E coli were isolated.
8 mls blood from ear vein. (LDR)

Clinical Note: 7.Feb.2008
Collected urine for research study. (LDR)

Clinical Note: 11.Feb.2008
Urine collected for study. (LDR)

Clinical Note: 16.Feb.2008
Has scrape on left side of back along spine. Began application of bag
balm to affected area. (LDR)

ELEMEDHX
17.Feb.2008

Clinical Note:
Urine collected for research study. (LDR)

Clinical Note: 19.Feb.2008
Rx: DIMETHYLSULFOXIDE 90% ad lib ml topically SID until further notice. (JS)

Clinical Note: 19.Feb.2008
Lateral and A/P radiographs taken of all four feet.
Has edema on the left ventral abdomen. Has been treated with 10 minutes hydrotherapy on the left side since 2/14/08. Start application of DMSO spray TO SID UFN on the left side in addition to hydrotherapy. (LDR)

Prescription Data >> Starting date: 19.Feb.2008
Drug: DIMETHYLSULFOXIDE 90% ad lib ml topically SID for 8 days
Formulation: liquid
Prescribed by: JS (19.Feb.2008) Filled by: LDR (19.Feb.2008)
Treatment weight: 3530 kg

Comments >>

Printed on: 27.Aug.2008 /ISIS/MedARKS/5.53.a

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Medical History Report - Individual Specimen
VIRGINIA ZOOLOGICAL PARK

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LOXODONTA AFRICANA (no subsp) Sex: Female Acc. #: 205003
African elephant Age: 40Y 2M Est. Birth: 1.Jul.1968
Name: CITA
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Prescription Record (continued):
Topical treatment: Apply to edema on left side of ventrum.

Originally prescribed until further notice.
Discontinued on 26.Feb.2008

Clinical Note: 21.Feb.2008
8 mls blood collected for banking. (LDR)

ELEMEDHX

Clinical Note: 22.Feb.2008
Rechecked ventral edema. No remarkable change from when observed on 2/19/08. Continue current treatment of hydrotherapy and DMSO application. (LDR)

Clinical Note: 24.Feb.2008
Urine sample collected for study. (LDR)

Clinical Note: 26.Feb.2008
Rechecked edema. Not much change in appearance from check on 2/22. Discontinue hydrotherapy and DMSO treatment. Monitor edema. (LDR)

Clinical Note: 27.Feb.2008
8 mls blood drawn from ear for banking. (LDR)

Clinical Note: 2.Mar.2008
Observed small scrape on left ear.
Collected urine sample for study. (LDR)

Printed on: 27.Aug.2008

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LOXODONTA AFRICANA (no subsp)   Sex: Female   Acc. #: 205003
African elephant                Age: 40Y 2M Est. Birth: 1.Jul.1968
Name: CITA
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Clinical Note: 7.Mar.2008
Approved "elephant cake" to be given as treats to elephants.
Elephant cake ingrediants:
3 cups mashed banana
4 raw eggs

ELEMEDHX

1/2 cup linatone
4 cubs Herbivore chow dust
3 cups diced apples
2 TBS baking powder
2 tsp baking soda
1 cup nuts
1 cup raisins
1/4 cup honey * optional: may replace honey with yogurt or molasses. (LDR)

Clinical Note: 9.Mar.2008
Urine samples collected for study. (LDR)

Clinical Note: 17.Mar.2008
Urine collected for study. (LDR)

Clinical Note: 19.Mar.2008
Rx: POVIDONE-IODINE 10% ad lib mls topically BID until further notice.
(JS)

Clinical Note: 19.Mar.2008
Collected 8 mls blood from elephant.
Observed pus exude out of temporal area on left side. Treated dry areas with bag balm and scrubbed abscess area with betadine. (LDR)

Prescription Data >> Starting date: 19.Mar.2008
Drug: POVIDONE-IODINE 10% ad lib mls topically BID for 10 days
Formulation: 100.0 mg/ml solution
Prescribed by: JS (19.Mar.2008) Filled by: JS (19.Mar.2008)
Treatment weight: 3530 kg

Comments >>

Printed on: 27.Aug.2008

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Medical History Report - Individual Specimen
VIRGINIA ZOOLOGICAL PARK

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LOXODONTA AFRICANA (no subsp) Sex: Female Acc. #: 205003
African elephant Age: 40Y 2M Est. Birth: 1.Jul.1968
Name: CITA

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Prescription Record (continued):

Topical treatment: Apply to to left temporal gland area

Originally prescribed until further notice.
Discontinued on 28.Mar.2008

Clinical Note: 21.Mar.2008
Rx: ICTHAMMOL ad lib oz topically BID until further notice. (JS)

Clinical Note: 21.Mar.2008
Keeper observed pus near the left temporal gland. Examined; possible abscess in that area. Clean the area with betadine solution prior to applying an ad lib amount of ichtammol ointment to the area TO BID, in an effort to soften the area and dry out the abscess. (LDR)

Prescription Data >> Starting date: 21.Mar.2008
Drug: ICTHAMMOL ad lib oz topically BID for 8 days
Formulation: mg/kg ointment
Prescribed by: JS (21.Mar.2008) Filled by: LDR (21.Mar.2008)
Treatment weight: 3530 kg

Comments >>
Topical treatment: Apply to left temporal area

Originally prescribed until further notice.
Discontinued on 28.Mar.2008

Clinical Note: 23.Mar.2008
Collected urine for study. (LDR)

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LOXODONTA AFRICANA (no subsp)      Sex: Female      Acc. #: 205003
African elephant                    Age: 40Y 2M Est. Birth: 1.Jul.1968
Name: CITA
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Clinical Note: 28.Mar.2008
 Rechecked abscess near left temporal gland. No pus observed; area appears to have healed. Discontinue treatment. (LDR)

Clinical Note: 31.Mar.2008
 Collected urine sample for study. (LDR)

Clinical Note: 9.Apr.2008
 8 mls blood withdrawn for study. (LDR)

Clinical Note: 23.Apr.2008
 Observed pus around base of several tail hairs. (LDR)

Clinical Note: 25.Apr.2008
 Rx: ICTHAMMOL ad lib oz topically SID until further notice.
 Rx: POVIDONE-IODINE 10% ad lib ml topically SID until further notice.
 (JS)

Clinical Note: 25.Apr.2008
 Examined tail. Observed abscess area at base of tail hairs on underside of tail. Clean with betadine solution and apply ichthammol ointment TO SID UFN. (LDR)

Prescription Data >> Starting date: 25.Apr.2008
 Drug: ICTHAMMOL ad lib oz topically SID for 15 days
 Formulation: mg/kg ointment
 Prescribed by: JS (25.Apr.2008) Filled by: LDR (25.Apr.2008)
 Treatment weight: 3530 kg

Comments >>
 Topical treatment: Apply to tail

Originally prescribed until further notice.
Discontinued on 9.May.2008

Printed on: 27.Aug.2008

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Medical History Report - Individual Specimen
VIRGINIA ZOOLOGICAL PARK

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LOXODONTA AFRICANA (no subsp) Sex: Female Acc. #: 205003
African elephant Age: 40Y 2M Est. Birth: 1.Jul.1968
Name: CITA
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Prescription Data >> Starting date: 25.Apr.2008
Drug: POVIDONE-IODINE 10% ad lib ml topically SID for 15 days
Formulation: 100.0 mg/ml solution
Prescribed by: JS (25.Apr.2008) Filled by: JS (25.Apr.2008)
Treatment weight: 3530 kg

Comments >>
Topical treatment: Apply to tail

Originally prescribed until further notice.
Discontinued on 9.May.2008

Clinical Note: 2.May.2008
Rechecked tail. Abscess is healing. No pus was expressed during
manipulation. Continue to apply icthammol ointment as prescribed. (LDR)

Clinical Note: 7.May.2008
8 mls of blood collected. (LDR)

Clinical Note: 9.May.2008
Rechecked tail. Abscess has opened up. Discontinue icthammol
treatment. (LDR)

ELEMEDHX
12.May.2008

Clinical Note:
Urine collected for study. (LDR)

Clinical Note: 22.May.2008
Noted superficial scrape on elephant's right hip. Applied betadine and wonderdust topically. (LDR)

Clinical Note: 28.May.2008
8 mls of blood collected for banking. (LDR)

Printed on: 27.Aug.2008

/ISIS/MedARKS/5.53.a

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LOXODONTA AFRICANA (no subsp)   Sex: Female   Acc. #: 205003
African elephant               Age: 40Y 2M Est.  Birth: 1.Jul.1968
Name: CITA
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Clinical Note: 8.Jun.2008
Urine collected for study. (LDR)

Clinical Note: 9.Jun.2008
Edema on left side of abdomen noted. (LDR)

Clinical Note: 10.Jun.2008
Rx: DIMETHYLSULFOXIDE 90% ad lib ml topically SID until further notice. (BF)

Clinical Note: 10.Jun.2008
Examined edema. Large amount of edema observed on elephant's left ventral abdomen. Treat with hydrotherapy and DMSO spray topically SID UFN. (LDR)

Prescription Data >>

Starting date: 10.Jun.2008
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ELEMEDHX

Drug: DIMETHYLSULFOXIDE 90% ad lib ml topically SID for 11 days

Formulation: liquid

Prescribed by: BF (10.Jun.2008) Filled by: LDR (10.Jun.2008)

Treatment weight: 3625 kg

Comments >>

Topical treatment: Apply to edema on left side of ventrum.

Originally prescribed until further notice.

Discontinued on 20.Jun.2008

Clinical Note: 11.Jun.2008
Collected 8 mls of blood from ear vein for study. (LDR)

Clinical Note: 18.Jun.2008
8 mls blood withdrawn from ear vein. (LDR)

Printed on: 27.Aug.2008

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LOXODONTA AFRICANA (no subsp) Sex: Female Acc. #: 205003
African elephant Age: 40Y 2M Est. Birth: 1.Jul.1968
Name: CITA
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Clinical Note: 20.Jun.2008
Rechecked edema; mostly resolved. Discontinue treatment and monitor for any reoccurrence. (LDR)

Clinical Note: 25.Jun.2008
8 mls blood collected from ear vein for banking. Urine sample collected for study. (LDR)

Clinical Note: 1.Jul.2008
Clear vaginal discharge observed. (LDR)

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Clinical Note: 10.Jul.2008
8 mls blood collected from ear vein. (LDR)

Clinical Note: 22.Jul.2008
FECAL CULTURE:
Ivor Regional Laboratory
34591 General Mahone Blvd
Ivor, VA 23866
757-859-6221

Accession: 17937-08
Report Date: 7-18-08/CH2

Sample: Feces Completed: 7-18-08/8:29a

AEROBIC CULTURE 7-18-08/8:29a
Normal enteric flora.
No pathogenic bacteria isolated.

SALMONELLA CULTURE 7-18-08/8:28a
Negative (LDR)

Clinical Note: 24.Jul.2008
Blood collected from ear vein for banking and study. (LDR)

Printed on: 27.Aug.2008

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LOXODONTA AFRICANA (no subsp) Sex: Female Acc. #: 205003
African elephant Age: 40Y 2M Est. Birth: 1.Jul.1968
Name: CITA
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Clinical Note: 6.Aug.2008
16 mls blood collected for research project and banking. (LDR)

ELEMEDHX

Clinical Note: 7.Aug.2008
Collected 100 mls urine for research study. To be frozen and shipped to researcher, masters student Emily Fyfe. (LDR)

Clinical Note: 8.Aug.2008
Hydrotherapy on left side of ventrum for 10 minutes. (LDR)

Clinical Note: 9.Aug.2008
Hydrotherapy on left side of ventrum for 10 minutes. (LDR)

Clinical Note: 10.Aug.2008
Hydrotheraphy on left side of ventrum for 10 minutes. (LDR)

Clinical Note: 11.Aug.2008
Hydrotherapy on left side SID for 10 minutes in afternoon. Applied koppertox to nails on both hind feet. (LDR)

Clinical Note: 12.Aug.2008
Hydrotherapy on left side of ventrum. (LDR)

Clinical Note: 13.Aug.2008
Hydrotherapy on her left ventrum for 10 minutes. (LDR)

Clinical Note: 14.Aug.2008
Hydrotherapy on her left ventrum for 10 minutes. (LDR)

Clinical Note: 15.Aug.2008
Rechecked edema. Continue hydrotherapy. (LDR)

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ELEMEDHX

LOXODONTA AFRICANA (no subsp) Sex: Female Acc. #: 205003
African elephant Age: 40Y 2M Est. Birth: 1.Jul.1968
Name: CITA

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Clinical Note: 17.Aug.2008
Hydrotherapy and DMSO on ventral edema. (LDR)

Clinical Note: 19.Aug.2008
Rechecked edema. Appears to be resolving. Continue current treatment prescribed. Noted elephant has a crack in her upper left tooth. 8 mls blood drawn from left ear for banking. (LDR)

Clinical Note: 20.Aug.2008
Hydrotherapy on ventral edema for 10 minutes; then DMSO spray applied. (LDR)

ELEMEDHX

Printed on: 27.Aug.2008

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Clinical Pathology Records Report - ISIS/In-House Reference Values
 VIRGINIA ZOOLOGICAL PARK

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Scientific name: LOXODONTA AFRICANA
Common Name: African elephant
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ISIS Values
 Mean S.D. Min. Max. (N)

WBC	*10 ³ /UL	10.50	+ 2.648	4.500	22.10	(1544)
RBC	*10 ⁶ /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	*10 ³ /UL	3.146	+ 1.695	0.000	11.80	(1224)
BANDS	*10 ³ /UL	0.843	+ 0.799	0.000	6.530	(605)
LYMPHOCYTES	*10 ³ /UL	4.913	+ 2.532	0.022	17.40	(1236)
MONOCYTES	*10 ³ /UL	1.513	+ 1.651	0.000	9.480	(1175)
EOSINOPHILS	*10 ³ /UL	0.225	+ 0.273	0.000	2.898	(885)
BASOPHILS	*10 ³ /UL	0.049	+ 0.081	0.000	0.525	(464)
NRBC	/100 WBC	0	+ 1	0	3	(92)
PLATE. CNT.	*10 ³ /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)

ELEMEDHX

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)

Printed on: 27.Aug.2008

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Clinical Pathology Records Report - ISIS/In-House Reference Values
 VIRGINIA ZOOLOGICAL PARK

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 Scientific name: LOXODONTA AFRICANA
 Common Name: African elephant
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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)

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Medical History Report - Summary for Individual Specimen
VIRGINIA ZOOLOGICAL PARK

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LOXODONTA AFRICANA AFRICANA	Sex: Female	Acc. #: 000028
South African bush elephant	Age: 35Y 1M 0D	Birth: 28.Jul.1973
Name: LISA		

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.....2007...

- 2.Apr Clinical note recorded. (LDR)
- 3.Apr PROBLEM: annual tb trunk washes (onset)
Clinical note recorded. (LDR)
- 6.Apr Clinical note recorded. (LDR)
- 10.Apr PROBLEM: annual tb trunk washes (resolved)
Clinical note recorded. (LDR)

- 2.May Clinical note recorded. (LDR)
- 9.May Clinical note recorded. (LDR)
- 15.May Clinical note recorded. (LDR)
- 22.May Clinical note recorded. (LDR)
- 23.May Clinical note recorded. (LDR)
- 29.May Clinical note recorded. (LDR)
- 30.May Clinical note recorded. (LDR)
- 31.May Clinical note recorded. (LDR)

ELEMEDHX

- 1.Jun Clinical note recorded. (LDR)
- 2.Jun Clinical note recorded. (LDR)
- 3.Jun Clinical note recorded. (LDR)
- 4.Jun Clinical note recorded. (LDR)
- 5.Jun Clinical note recorded. (LDR)
- 6.Jun Clinical note recorded. (LDR)
- 7.Jun Clinical note recorded. (LDR)
- 8.Jun Clinical note recorded. (LDR)
- 9.Jun Clinical note recorded. (LDR)
- 10.Jun Clinical note recorded. (LDR)
- 11.Jun Clinical note recorded. (LDR)
- 12.Jun Clinical note recorded. (LDR)
- 26.Jun Clinical note recorded. (LDR)

- 3.Jul Clinical note recorded. (LDR)
- 8.Jul Clinical note recorded. (LDR)

10.Jul Weight: 4841 Kg (10670 Lb)

- 11.Jul Clinical note recorded. (LDR)
- 12.Jul Clinical note recorded. (LDR)
- 13.Jul Clinical note recorded. (LDR)
- 15.Jul Clinical note recorded. (LDR)
- 17.Jul Clinical note recorded. (LDR)
- 18.Jul Clinical note recorded. (LDR)
- 19.Jul Clinical note recorded. (LDR)
- 20.Jul Clinical note recorded. (LDR)
- 21.Jul Clinical note recorded. (LDR)
- 22.Jul Clinical note recorded. (LDR)
- 24.Jul Clinical note recorded. (LDR)

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Medical History Report - Summary for Individual Specimen
VIRGINIA ZOOLOGICAL PARK

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LOXODONTA AFRICANA AFRICANA      Sex: Female      Acc. #: 000028
South African bush elephant      Age: 35Y 1M 0D   Birth: 28.Jul.1973
Name: LISA
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.....2007...

- 25.Jul Clinical note recorded. (LDR)
- 27.Jul Clinical note recorded. (LDR)
- 29.Jul Clinical note recorded. (LDR)
- 31.Jul Clinical note recorded. (LDR)

- 6.Aug Clinical note recorded. (LDR)
- 17.Aug Clinical note recorded. (LDR)

ELEMEDHX

20.Aug Clinical note recorded. (LDR)
21.Aug Clinical note recorded. (LDR)
26.Aug Clinical note recorded. (LDR)
28.Aug Clinical note recorded. (LDR)
29.Aug Clinical note recorded. (LDR)

5.Sep Clinical note recorded. (LDR)
12.Sep Clinical note recorded. (LDR)
24.Sep Clinical note recorded. (LDR)
26.Sep Clinical note recorded. (LDR)

2.Oct Vaccination: IMRAB 2ml IM q365d
EWT-WNV COMBO 2ml IM q365d
Clinical note recorded. (JS)
Clinical note recorded. (LDR)
15.Oct Clinical note recorded. (LDR)
16.Oct Clinical note recorded. (LDR)
24.Oct Clinical note recorded. (LDR)

7.Nov Clinical note recorded. (LDR)
11.Nov Clinical note recorded. (LDR)
13.Nov Clinical note recorded. (LDR)
14.Nov Clinical note recorded. (LDR)
18.Nov Clinical note recorded. (LDR)
20.Nov Clinical note recorded. (LDR)
26.Nov Clinical note recorded. (LDR)
28.Nov Clinical note recorded. (LDR)

4.Dec Clinical note recorded. (LDR)
17.Dec Clinical note recorded. (LDR)
18.Dec Clinical note recorded. (LDR)
26.Dec Clinical note recorded. (LDR)

.....2008...

2.Jan Clinical note recorded. (LDR)
8.Jan Clinical note recorded. (LDR)

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Medical History Report - Summary for Individual Specimen
VIRGINIA ZOOLOGICAL PARK

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LOXODONTA AFRICANA AFRICANA      Sex: Female      Acc. #: 000028
South African bush elephant      Age: 35Y 1M 0D   Birth: 28.Jul.1973
Name: LISA
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ELEMEDHX

.....2008...

- 13.Jan Clinical note recorded. (LDR)
- 19.Jan Clinical note recorded. (LDR)
- 23.Jan Clinical note recorded. (LDR)
- 24.Jan Rx: TRIPLE ANTIBIOTIC WITH DEXAMETHASON ~1/4in OS BID
Clinical note recorded. (JS)
Clinical note recorded. (LDR)
- 25.Jan Purpose/Problem: to treat conjunctivitis.
Rx: TRIPLE ANTIBIOTIC OINTMENT W/O HCN 1/4in OS BID for 29 days.
FLURBIPROFEN 0.2ml OS BID for 54 days.
Clinical note recorded. (JS)
- 27.Jan Clinical note recorded. (LDR)
- 30.Jan Clinical note recorded. (LDR)

- 1.Feb Clinical note recorded. (LDR)
- 7.Feb Clinical note recorded. (LDR)
- 8.Feb Clinical note recorded. (LDR)
- 11.Feb Clinical note recorded. (LDR)
- 17.Feb Clinical note recorded. (LDR)
- 20.Feb Clinical note recorded. (LDR)
- 21.Feb Clinical note recorded. (LDR)
- 22.Feb Rx: TRIPLE ANTIBIOTIC OINTMENT WITH HCN 0.25in OS BID for 26 days.
Clinical note recorded. (JS)
Clinical note recorded. (LDR)
- 24.Feb Clinical note recorded. (LDR)
- 26.Feb Clinical note recorded. (LDR)
- 27.Feb Clinical note recorded. (LDR)

- 3.Mar Clinical note recorded. (LDR)
- 7.Mar Clinical note recorded. (LDR)
- 9.Mar Clinical note recorded. (LDR)
- 16.Mar Clinical note recorded. (LDR)
- 18.Mar Clinical note recorded. (LDR)
- 19.Mar Clinical note recorded. (LDR)
- 23.Mar Clinical note recorded. (LDR)
- 30.Mar Clinical note recorded. (LDR)

- 9.Apr Clinical note recorded. (LDR)
- 22.Apr Clinical note recorded. (LDR)
- 29.Apr Clinical note recorded. (LDR)
- 30.Apr Weight: 4855 Kg (10700 Lb)

- 7.May Clinical note recorded. (LDR)
- 13.May Clinical note recorded. (LDR)
- 25.May Clinical note recorded. (LDR)

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Medical History Report - Summary for Individual Specimen

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VIRGINIA ZOOLOGICAL PARK

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LOXODONTA AFRICANA AFRICANA	Sex: Female	Acc. #: 000028
South African bush elephant	Age: 35Y 1M 0D	Birth: 28.Jul.1973
Name: LISA		

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.....2008...

28.May Clinical note recorded. (LDR)

2.Jun Clinical note recorded. (LDR)

8.Jun Clinical note recorded. (LDR)

11.Jun Clinical note recorded. (LDR)

16.Jun Clinical note recorded. (LDR)

18.Jun Clinical note recorded. (LDR)

20.Jun Clinical note recorded. (LDR)

22.Jun Clinical note recorded. (LDR)

25.Jun Clinical note recorded. (LDR)

30.Jun Clinical note recorded. (LDR)

3.Jul Clinical note recorded. (LDR)

10.Jul Clinical note recorded. (LDR)

22.Jul Clinical note recorded. (LDR)

24.Jul Clinical note recorded. (LDR)

6.Aug Clinical note recorded. (LDR)

7.Aug Clinical note recorded. (LDR)

19.Aug Clinical note recorded. (LDR)