

Report Start Date
01-Jan-01

Specimen Report for OKLAHOMA / 753206

Report End Date
19-Aug-08



Taxonomic name: *Elephas maximus*

Family: Elephantidae

Common name: Asiatic elephant

Order: Proboscidea

Current information

Sex:	Female	Sire ID:	815 at Dickerson Park Zoo
Birth type:	Captive Born	Dam ID:	1101 at Dickerson Park Zoo
Birth Location:	Dickerson Park Zoo	Rearing:	Parent
Birthdate-Age:	2 Feb 1995 - 13Y,6M,16D	Hybrid:	Not a hybrid
Time since last Acq: 9Y,2M,2D 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>
1 Dec 1998	Loan In from DICKERSON / 4255	OKLAHOMA / 753206		
17 Jun 1999	Purchase from DICKERSON / 4255	OKLAHOMA / 753206	Loan Out to TULSA / 15601	12 Jun 2008

<u>Date</u>	<u>Identifier type</u>	<u>Identifier</u>	<u>Location</u>	<u>Comments</u>
2 Feb 1995	House Name	Asha		
2 Feb 1995	Regional Studbook #	365	AZA	

<u>Date</u>	<u>Enclosure</u>	<u>Reason</u>
1 Dec 1998	PACHY	
12 Jun 2008	REMOVED	

<u>Date</u>	<u>Sex</u>	<u>Comments</u>
1 Dec 1998	Female	

<u>Date</u>	<u>Rearing</u>	<u>Comments</u>
1 Dec 1998	Parent	

<u>Date</u>	<u>Parent(s)</u>	<u>local Id</u>	<u>Location</u>	<u>Comments</u>
1 Dec 1998	Sire	815	DICKERSON	
1 Dec 1998	Dam	1101	DICKERSON	

Clinical Notes - Individual Specimen Report
OKLAHOMA CITY ZOOLOGICAL PARK

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ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: Asha

Sex: Female
Age: 13Y 6M 16D

Acc. #: 753206
Birth: 2.Feb.1995

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.....2006...

8.Dec.2006

Prob: Broken tusk

PE: Keepers noticed this morning that she had broken off her left tusk at the base. No blood was noted. On visual exam the tusk is broken and has an irregular surface. One portion is broken up above the gingival line creating a small pocket. Keepers flushed tusk with nolvasan which elephant tolerated fairly well. She continues to eat and act normally. Instructed keepers to flush area and apply SSD ointment twice daily. Since pulp cavity is exposed area will be monitored closely for sign of infection. Consider capping off tooth if it causes problems. (JJD)

.....2007...

22.Mar.2007

Staff noticed bumps on ventral abdomen today. Visual exam looks like hard pustules or follicular pyoderma type lesions. Both elephants have them, so possible allergic response, contact dermatitis, insect bites. Kuo for now. If staff is able to, can attempt to debride with stiff brush and chlorhexadiene scrub with water. (GDW)

17.Apr.2007

Collected trunk was sample for annual TB screening. (JJD)

18.Apr.2007

Collected trunk was sample for annual TB screening. (JJD)

19.Apr.2007

Collected third trunk was sample for annual TB screening. (JJD)

25.May.2007

Prob: Mass on abdomen

PE: Keepers noted a lump on the abdomen today while bathing elephant. Had not been noted previously. On exam the lump is very noticeable and is just to the left of midline on the caudal abdomen. On palpation it is firm, slightly irregular and attached to the body wall. The skin moves freely over the mass. The mass could not be moved and no hernia was palpated at the margins. No heat or discharge noted and it does not appear painful. Plan to monitor closely for now and reevaluate if it does not go away or if it get larger or starts draining. Unsure of mass origin. (JJD)

31.May.2007

Proc: Ultrasound

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Asiatic elephant                     Age: 13Y 6M 16D      Birth: 2.Feb.1995
Name: Asha
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31.May.2007

PE: Mass is approximately half the size as last exam. Ultrasounded area with elephant in restraint chute. The mass is homogenous and hyperechoic. No pockets of fluid noted and no blood flow seen on color doppler. Mass is still firm on palpation with no heat, pain or drainage.

Plan: Continue to monitor closely. Umbilical hernia cannot be ruled out at this time. R/O: hernia, foreign body reaction, trauma, neoplasia (JJD)

26.Jun.2007

All three trunk wash samples submitted for mycobacteria isolation (NVSL Ames Iowa) were negative (MWC)

19.Jul.2007

Prob: food impaction, hole in tooth

PE: Keepers have recently noticed more food impacted along the first upper right molar. Once flushed they noticed a large deep hole on the first molar. Second upper right molar appeared intact. They have not noted any pain or discharge on the tooth

On visual examination there was still some food (banana?) impacted along the tooth defect on the upper right M1. No draining tract was noted. Did not appear sensitive to the touch or when being flushed. Upper right M2 was normal. On the left upper M1, there was a small defect - mild staining no food impacted

P: continue to monitor. keepers will continue to flush tooth every day. If need be, recommend training her to allow using a catheter tip syringe to help flush area. Warned keepers that it may be a while before tooth falls out. (MWC)

21.Dec.2007

Rx: BIOTIN 170 gm PO SID until further notice. (JJD)

.....2008....

11.Apr.2008

Collected trunk wash sample #1 for yearly mycobacteriosis screening. (JJD)

14.Apr.2008

Collected trunk wash sample #2 for mycobacteriosis screening. (JJD)

15.Apr.2008

Collected trunk wash sample #3 for mycobacteriosis screening. Samples will be submitted to NVSL. (JJD)

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21.Apr.2008

Serum submitted to NVSL for Chembio Elephant TB Stat-Pak antibody test
- negative. (JJD)

10.May.2008

Results from hormonal assays performed at Conservation and Research
Center, National Zoo:

	P4 (ng/mL)
3/9/07	0.19
6/28/07	0.17
7/2/07	0.14
8/6/07	0.81
8/13/07	0.93
8/16/07	0.9
8/21/07	0.64
8/27/07	0.64
9/17/07	0.26
9/25/07	0.21
10/11/07	0.16
11/16/07	1.08
12/14/07	0.89
12/21/07	0.56
12/28/07	0.37
1/4/08	0.17
2/15/08	0.82
2/23/08	0.89
3/7/08	0.84
3/14/08	0.44
4/4/08	0.43
5/2/08	0.12 (CO)

20.May.2008

Proc: Reproductive assessment
PE: Dr. Schmitt arrived today to perform ultrasound reproductive
assessment. The cervix, uterine body and uterine horns are normal.
The left ovary was visualized and appeared normal. He could not
visualize the right ovary due to overlying intestine. A DVD copy of
the ultrasound is on file. (JJD)

22.May.2008

Elephant herpesvirus serology results reported from the National Zoo
lab from the EEHV study.

"Asha" has always been in the "low" range since 2005.

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22.May.2008

The following is a letter that accompanied the results explaining the test:

The EEHV1 ELISA is in the developmental stage. We are still working on many aspects of the test, including storage conditions for samples, controls to be used, detection systems, and significance of positive/negative titers. We will be using the results over the next six to twelve months to help us determine the optimal ELISA for EEHV. Please keep in mind that your results are part of this developmental process and may not reflect the elephants' actual EEHV status. Thank you for sending samples for us to use in this endeavor.

We classify the ELISA results into three groups based on OD: "low", "grey zone", and "high". We don't classify the results as "positive" or "negative" because we are still characterizing the test and working out the cut-offs. We think that a "high" result may mean that the elephant was exposed in the past to EEHV1 and is making antibodies to it. A "low" value does not mean that the elephant has never been exposed; just that it is not currently making antibodies to EEHV 1.
(JJD)

27.May.2008

Proc: Trial sedation

PE: Sedation trial conducted before the move to Tulsa. Gave Azaperone 60 mg IM in the right rear leg just below the stifle in the area of the gastrocnemius muscles using an 18 gauge, 1.5 inch needle. Elephant accepted injection very well. Approximately 5 minutes after injection she appeared to have decreased coordination of her trunk while trying to eat. She also seemed to move a bit slower and was leaning against the wall. At 30 minutes post-injection she was leaning a lot against the wall and moved slow but could still walk normally. At 36 minutes post-injection she stumbled and tripped slightly on the back legs and was leaning her forehead against the bars with her eyes closed. When keepers asked her to do some behaviors 1 hour after injection she participated and became more alert and was walking normally. She was able to perform all tasks but was slightly incoordinated. Overall the trial went well, not as sedated as I would have hoped but there was no indication of stimulation or excitation from the drug. The level of sedation may be appropriate enough to get her loaded onto the trailer without difficulty. Plan to possibly increase the dosage slightly the day of transport. The dosage used was based on 3000 kg estimated body weight and was slightly lower than the low end of the dose for Asian elephants (0.024 mg/kg). Could possibly go up to 75 mg. (JJD)

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29.May.2008

Proc: Foot radiographs
PE: Attempted foot radiographs using the portable radiograph machine for baseline films. Both front feet and back feet were radiographed. Two views were taken of the front feet (dorsal-palmar and LAT) and one view was taken of the back feet (plantar-dorsal). The DP views of the front feet were slightly too dark and only the distal portion of the toes could be clearly seen on the lateral. The rest of the foot was too thick for the machine on the lateral view. On the back feet the technique was good but not all of the foot was on the plate. No noticeable lesions were seen. Techniques are listed in the log for the portable unit. (JJD)

19.Jun.2008

Trunk wash samples returned from NVSL for TB culture - negative.
(JJD)