

BURNET PARK ZOOsex F page 1**INDIVIDUAL ANIMAL MEDICAL RECORD**name Shanthicommon name Asian ElephantID no. M91011scientific name Elephas maximus

tag/band

3/13/91	New arrival from the National Zoo. She arrived in good condition at 3:30 pm. She was unloaded and walked to the elephant barn. She was put in Indy's former stall and allowed to interact with the other three females through the bars. She sustained a 4 inch by 2 inch long skin scrape on the right lateral surface of the front foot just behind the lateral toe nail. The lesion is superficial and will be tx with Koppertox daily. Her appetite is good and she appears to be adjusting well to her new environment.
3/14/91	She is doing well. She layed down over night and slept. Appetite is good. The skin abrasion is very minor and is being tx. She was introduced to Romani in the am, then to the other females in the pm. The introduction went smoothly.
3/19/91	Routine quarterly fecal screening was negative for parasites.
4/4/91	Blood drawn for monthly CBC.
4/9/91	Drew blood for progesterone assay. We suspect she is nearing estrous. Progesterone values for 4/4/91 was 440 pg/ml, and was 430 pg/ml on 4/9/91. She is no longer in heat. She came in 2 weeks early based on information given to us by National zoo keepers. She supposedly was due to be in standing heat on or around 4/17/91.
5/2/91	Drew blood for monthly CBC. Blood is within normal limits.
5/29/91	Received a new shipment of Vit E powder from Green Mountain. The powder was tan but this shipment is white. Called Green Mountain and spoke with Joanne and Jim Miller's partner. They said that they have a new supplier and they are using a different carrier which is white. Will dispense as usual.
6/6/91	Drew blood for monthly CBC and trimonthly panel.
6/21/91	Tests on blood samples taken 6/6/91 revealed hemoconcentration. Red blood count (4.66) was high, Hemoglobin (21.3) was high, Hematocrit (57.4) was high and total Protein (9.0) was high. A blood sample taken 6/21 revealed Hematocrit (38) to be back within normal values as was the total protein (8.4). Values from 6/6 may be attributed to the animal being dehydrated, so from now on close attention will be paid to the amount of water she is drinking.
7/11/91	Indy mounted Shanthi several times. There were at least two successful penetrations observed.

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8/16/91 The elephants were switched over to a natural Vitamin E liquid product called Emcelle tocopherol (500 IU/ml) which is produced by Stuart Products. The dose for each elephant will be 2.5 IU/kg/day orally. The medication will be mixed in peanut butter sandwiches to facilitate administration because of its extremely bitter taste. The powdered Vitamin E supplement that we have been giving to the elephants (Rovimix 50%) has not increased the serum Vitamin E levels sufficiently, therefore, the Emcelle will be administered on a trial basis to see if it will increase the serum Vitamin E levels. The following lists the number of IUs Shanthi will need, the total number of mls she will receive daily and the previous serum Vitamin E levels.

Weight: 7,900 lbs (3,591 kg); IUs Vitamin E needed - 8977;
ml of Emcelle/day - 18 ml

Previous Vitamin E levels - 3/91 - 0.11 ug/ml; 6/91 - 0.23 ug/ml

9/4/91 Prophylactic worming with Telmin powder at a dose of 1 scoop/250 lbs. She was given 32 scoops of Telmin based on a weight of 7,900 lbs.

9/5/91 Blood was collected for monthly CBC and differential. The blood was submitted to Roche Labs for processing. No in-house results will be done. No available Technician.

9/9/91 The WBC and differential are normal. She has a higher percentage of Manocytes and Lymphocytes than usual.

11/3/91 She was bred successfully at least twice today. Keepers were unable to separate her and Indy all day and night. She was with him all day November 2, 1991 and through the night as well. There were many breeding attempts but not observed successes. She has sustained several superficial abrasions over right eye, mid forehead, over the left eye and on right eyelid. She has many scrapes on back where Indy was tusking her and mounting.

11/7/91 Blood was drawn for a monthly CBC and differential.

11/12/91 CBC and differential results are all within normal limits.

12/13/91 Blood was collected for CBC, differential and panels as part of the quarterly blood check.

1/9/92 Routine blood work - CBC, differentials and panels were taken.

1/11/92 CBC and panel results are within normal limits.

2/10/92 Yearly TB test and vaccinations. She was TB tested with 0.1cc Bovind PPD in the caudal tailfold, right side. The test will be read at 24, 48 and 72 hours. She was given 1cc Tetanus toxoid IM (51073D, 22 Jan 92).

2/13/92 The TB test was negative at 24, 48 and 72 hours. Blood was drawn for monthly CBC and differentials.

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| 2/14/92 | Yearly worming with Telmin at a rate of 8.8 mg/kg or 1 scoop/250 lbs. Based on an estimated weight of 7,900 lbs., she will receive 32 scoops of Telmin P.O. |
| 3/24/92 | Spring fecal check for parasites was negative. |
| 4/14/92 | Blood was drawn for a CBC, differential and panel. All values are within normal limits. |
| 5/14/92 | She has areas of black to grey skin sloughing around the skin of the vaginal area. Recommended washing area with Nolvasan scrub twice weekly to remove any necrotic skin. Will treat area topically with myconizol ointment twice daily to see if condition improves. She has the same skin condition Siri has and a secondary yeast infection or fungal infection may be the cause. Diagnostic results are still pending on Siri. If Shanthi's skin infection in this area does not improve with treatment, then a full thickness biopsy will be done for aerobic, anaerobic and fungal culture. Her skin infection is very minimal at this time and affects only a small portion of the vaginal mucosa. |
| 5/20/92 | A skin culture of the vaginal fold exudate was collected for aerobic, anaerobic and fungal/yeast culture and sensitivity. The vulva will continue to be cleansed with Nolvasan scrub twice weekly and the area will be treated topically with micostat BID pending culture results. |
| 6/1/92 | No significant organisms were isolated from the skin in the aerobic and anaerobic cultures. |
| 6/8/92 | The skin of Shaniti's vaginal area is now completely normal. Micostat and Nolvasan scrub are discontinued. This area will be routinely cleansed with livestock shampoo. |
| 6/15/92 | Culture of a vulva skin biopsy revealed no significant organism. |
| 7/8/92 | Blood was drawn for CBC and panel. The results were normal. |
| 7/14/92 | The summer fecal check was negative for intestinal parasites. |
| 10/7/92 | Collected blood for a CBC and panel as part of an outgoing exam requested by the National Zoo. A fecal check for parasites and a culture for enteric pathogens will be submitted. |
| 10/15/92 | The WBC is Normal, the differential is abnormal, however, this lab has high monocytes & low lymphocytes for all the elephant CBC's & I believe they are not identifying the WBC's correctly. They also identify "pseudoeosinophils which are infact neutrophils. She has a slightly elevated BUN. The Creatinine is Normal. A fecal parasite check was negative. |

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10/26/92	She was TB tested with 0.1cc of Bovine PPD injected ID into the right caudal tail area. The injection site was circled with a marker to identify the location.
10/29/92	The TB test was negative at 24, 48 & 72 hours. The fecal culture for Salmonella, Shigella and Campylobacter was negative.
11/18/92	She was examined by the veterinarian on Nov. 12, 1992. A health certificate was signed and she was shipped back to the National Zoo.