

Clinical Notes - Individual Specimen Report
BURNET PARK ZOO

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Scientific Name: ELEPHAS MAXIMUS (no subsp) Accession #: M85030
Common Name: Asiatic elephant Male
Name: INDY Birth: 1.Jan.1972
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.....2000....

2.Mar.2000

Hx: No medical problems; first TB test of series performed today
Proc: 120 mL of saline instilled into trunk. Exhaled into 1 gallon plastic bag. Submitted for mycobacterial culture at NVSL.
Plan: Repeat sample collection on 3/7/00 and 3/9/00. On 3/5/00 collect blood for CBC, Chem panel, and serum banking. On 3/9/00 vaccinate for tetnus and rabies. Collect stool at convenience for culture and analysis. (NAM)

6.Mar.2000

Blood drawn for CBC and chemistry panel from ear vein for annual physical exam. CBC performed in-house. (RSC)

7.Mar.2000

Hx: annual physical including trunk washes for mycobacterium cultures.
Proc: 2nd trunk wash using 60 ml of saline. Send out to NVSL via DL for culture. (NAM)

9.Mar.2000

Hx: vaccination and TB test.
Proc: Third and last trunk wash using 60 ml of saline. Submitted to NVSL via Cornell's DL.
Both gluteal area were surgically prepped with nolvasan scrub and sterile saline irrigation. Tx: 1ml tetanus toxoid IM in left gluteal and 1ml rabies (ImRab) in right gluteal. A small amount of DMSO was applied topically around the site of each injection.
Plan: monitor for swelling, pain, discharge at/around the injection sites.
Fecal pending for culture and parasite check. (NAM)

30.Mar.2000

Hx-Semen was collected for examination by the reproductive physiologist. The sperm were not viable (moving) which is not unusual for an elephant that has not bred for a while.
As per the general curator, this elephant will be stripped once/week until further notice. (SF)

17.Aug.2000

Feces collected for parasite check. (NAM)

.....2001....

15.Feb.2001

Hx-Previous culture negative for Mycobacterium, pos for MTD (RNA

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12.Mar.2002

Final phase of annual physical examination: Rabies and tetanus toxoid vaccines
The skin was surgically prepped and rabies (ImRab) 2cc was given IM in the right hind semimemb and tendinous muscles, and tetanus toxoid 2cc on the Left hind semimemb and tendinous muscle. Both injections were followed by an application of DMSO to prevent swelling at the injection sites.
Plan: monitor the sites for swelling and pain. (NAM)

15.Mar.2002

Blood collected 3/01/02: all values are WNL except for a monocytosis (8.7 thou. normal range from 0.7-6.5 thou). WBC count was normal at 15.3.
creatinine was elevated at 2.2 (range 1.2-2.0) (NAM)

7.May.2002

Trunk Wash TB culture results:
Samples submitted 2/22/02, 2/26/02 and 3/1/02 all negative. (NAM)

10.Jul.2002

Blood collected 6/21/02 for vitamin E levels. We are at 0.9 ug/mL. Normal range 0.75 to 1.3 ug/mL. Continue at present level of supplementation (60,000U alpha tocopherol). Recheck levels in 6 weeks. (NAM)

30.Oct.2002

Vitamin E levels analysed at Michigan State lab: 0.73 ug/ml. This value is within normal suggested range. However, the amount of vitamin E that Indy is receiving since april 10th 2002 is 120 ml (four times the amount that he was receiving last year). It is unclear if we are giving him an adequate dose (as body weight is only estimated), or if he is storing the vitamin E in the liver. Discuss with Dr Kollias.
~~Please submit banked serum from 3 and 5 years ago (if available) to compare levels from the same laboratory. (NAM)~~

31.Oct.2002

Ongoing discussion relating to disparate Vitamin E levels in the elephant group prompted a phone conversation with GVK and Dr. Ellen Dierenfeld at (ED) the Wildlife Conservation Society's Comparative Nutiriton Laboratory. ED's recommedation for supplementation of d-alpha tocopherol (Emcelle-Purina) is approximately 1 IU(mg)/kg/day, which is much less than the 6 and 12mg/kg dose that has been offered to the female elephants and to the bull respectively. The WCS range for plasma Vit E levels in normal elephants is 0.5-1.0

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31.Oct.2002

micrograms/ml.RGZ cows range from 0.75-1.3 micorgrams/ml and the bull has ranged from 0.00-0.73 micorgrams/ml, depending on the laboratory that has been conducting the analyses and the total daily dose of Vit E that has been offerred. Based on the information provided by ED, RGZ elephants are receiving 3-13 times the dose that may be required. ED went on to state that the RGZ bull (weight approx. 10,500 lbs or 4772kg) should only need approximately 5000mg(IU) total dose of Vit. E/day. ED stated that there are disparities between laboratories relative to results obtained for plasma Vit E levels in animals. As an example, the Michigan State University Nutrition Laboratory's values are often 2x's greater than those values obtained by WCS Compartive Nutrition Laboratory. ED postulated that if we decrease the doseage of Vit E in the elephants, that the plasma levels may not be significantly altered (decreased)for up to a year, or may not be decreased at all as long as oral supplementation continues. Plan: 1)NAM will query Zoo Med Network to obtained information concerning the doses of Vit E that zoos are using for their elephants and the range of plasma levels that have been obtained over various time periods of continuous supplementation. Additionally, information will be attained relating to potential differences in these values between males and females 2)Consider decreasing the daily dose of Vit E in all elephants to 1-3 IU(mg)/kg/day.3)Concurrent with the changes in the doseages, we need to develop an protocol for blood sampling for Vit E analysis. In order to sort out some of the disparities described above, each sample should simultaneously be sent to 1-3 different laboratories. KW and CD need to discuss costs for the analyses (as an example, the WCS lab can run the assay and charges \$10-15/smapple). (this entry has been copied to the clinical notes of all other RGZ elephants and dated 11/01/02). (GK)

1.Nov.2002

Indy's E supplementation since 10/01:
9/01 30ml/day (undetectable) Nutritional & Environmental Analy Serv Lab
10/01 30 ml/day (undetectable) Nutritional & Environmental Analy Serv lab
12/01 Raised from 30 to 60ml/day
1/02 60 to 90ml/day (undetectable) N&E Analy Serv Lab
4/01 Raised from 90 to 120 ml/day (cannot locate analysis...done?)
6/02 On 120 ml/day since April, 0.9 ug/ml (Michigan State lab)
10/02 Still on 120, 0.73ug/ml (Michigan State lab) (KW)

11.Nov.2002

Chemistry profile (collected on Oct. 25th): within normal limits.
(SC)

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20.Nov.2002

Reduced Vitamin E back to 3 IU/kg -- 27 ml Emcelle (down from 120 ml/day) (KW)

27.Nov.2002

Hx: long tusks. In an attempt to locate the pulp cavity, radiographs were taken today under sedation. Sedated with 600mg of Xylazine (based on 0.13mg/kg) at 10:00 administered in the semitendinous/membranous using an 18gauge needle and entering 5cm deep to inject intramuscularly. We used a higher dose of xylazine (usually 0.08mg/kg) because he has entered his musth period. Sedation was achieved within 45 minutes (started to vocalize 10 minutes post injection). Radiographs were taken of the left tusk. 20cm increments were measured from the distal tip proximally and marked on the tusk, using both a highlight marker and lead markers (to see the distances on the films). The first 20-40 cm (markers 1 and 2) were radiographs at 0.5sec and at a distance of 60cm. There was a curviline defect indicating a possible crack. The area between 40 and 60cm (between markers 2 and 3) was radiographed at 0.8sec and 60cm. The area between 60 and 80cm (markers 3 and 4) was radiographed at 1sec and 60cm. Reversal was achieved with 40 mg of Yohimbine IM in the left triceps (18gauge needle 3.5cm deep), administered at 11:42. At 11:55 he started to be more active. Keepers continued observations. Plan: discuss with team plan to section the tusks and replace the bands. (NAM)

17.Dec.2002

Test run with Charles Gray to review semen collection procedure. Successful collection (confirmed underneath microscope - approximately 75% viable sperm in sample). Recommendation was to do collection procedure twice monthly (2 days in a row). (SC)

18.Dec.2002

Second session of semen collection with C. Gray. Procedure was again successful. The sample collected (50ml in the bag) was yellow, opaque. High sperm count, over 80% were alive. (NAM)

28.Dec.2002

Indy fractured off the bottom 30" of his right tusk yesterday. Today, while outside, KW saw blood and got the binoculars to check. He has fractured the remaining tusk. He has fractured it horizontally into the pulp cavity. There is a fair amount of blood. As per NAM, we will

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28.Dec.2002

start him on TMS at 15mg/kg PO BID. We will also give him 3.66 gm of Siro's ketoprofen (1 tube) which comes to approximately 0.75mg/kg (5000 kg).

CD will be here in the am to assess him and will contact NAM.

At 4:30 pm, the area appears to have clotted and he is accepting treats and commands from MC. He will be given water all night if he wants to flush the tusk. A digital picture should be attempted tomorrow and emailed to NAM at na24@cornell.edu. (KW)

28.Dec.2002

Rx: TRIMETHOPRIM 74.86 gm PO BID until further notice. (NAM)

29.Dec.2002

Fx of right tusk. Keepers report that although he is painful he was laying down on his right side overnight. Appetite is normal. Bleeding was noted around the area of the tusk, and it appears that there is blood on his right cheek. Mild swelling was noted. Keepers report that he took his TMS overnight. After the tusk was cleaned it appears that no alveolar tissue is exposed however due to the depth/thickness of the fracture, it can be surmised that there is alveolar involvement. Blood was drawn for an in-house CBC and +/- chemistry. Digital photographs were obtained but due to software problems these could not be uploaded onto the computer. The fractured sections of tusk seems to be separating. DVM to assess tomorrow.

addendum: 3:30 pm Keepers noted a syrupy discharge in Indy's enclosure. Initially thought to be a phlegmer, its consistency was too thin. Keepers believe blood to have been present in the specimen although when seen by this LVT, the sample was too contaminated with urine and feces to ascertain this. (RSC)

30.Dec.2002

Hx: First fx of the right tusk on the 27th of december (only a small amount of blood noted by the keepers) then refractured same side on the 28th nearer to the sulcus. Because he is in musth, procedures and examinations are more challenging. He is not aggravating the tusk and is laying down on that side.

Observation today: the tusk is fractured 15cm from the sulcus. There is a point present tapered dorso-ventrally. A crack was present travelling in a horizontal plane ventral to the point. Pictures were taken.

Treatment was started Saturday with trimethoprim sulfa at 15mg/kg PO BID; The keepers are also flushing the tusk. One dose of 0.75mg/kg of Ketoprofen was given on saturday night, but he refused following doses

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30.Dec.2002

(does not like molasses flavor).

Plan:

- 1- continue antibiotics.
- 2- Discuss adding a drug that would also be effective against anaerobic organisms.
- 3- Keepers to flush tusk. When the elephant is out of musth or sedated, better evaluation and cleaning of the tusk will be done.
- 4- Blood should be collected every 3 days if possible to monitor WBC response (including differential)
- 5- Will send pictures around and get other's experience/recommendations with similar problem.

Note: Charlie Gray has used a product called Cothivet (used for cow's horn after dehorning) to be possibly used to help cauterize and harden the exposed pulp (tip). (NAM)

.....2003...

1.Jan.2003

Keeper report 1/1: Flushed tusk 2 times with water and betadine. Received 25 pills TMS then switched to 1 tube Tribriksen paste which he took in various foods. Received 1.5 tubes of probios in bread. top portion of right tusk moved a bit (1/4 inch) during the tusk flushing. Tusk was resting on top of vertical gate at the time.
(KW)

Rx: TRIBRIKSEN PASTE 150.0 gm PO SID until further notice.
Rx: PROBIOCIN RUMINANT GEL 1.5 tub PO SID until further notice.
(NAM)

2.Jan.2003

Hx: fractured right tusk. Taking tms well as a paste 2 days now. Per keepers, he does not seem painful and will push on tusk (on high bar). Dorsal fragment still unstable. No further bleeding noted. Keepers are flushing tusk 2 times a day and "injecting" diluted betadine afterwards.

Blood collected on 12/29/02 revealed a WBC 17.8 (within normal range) and a normal CBC.

Blood was collected again today for a CBC
5000IU of tetanus antitoxin was given sq in the left rear leg fold.
DMSO was applied topically after injection. (NAM)

7.Jan.2003

Sedated today with xylazine and butorphanol to examine and treat the fractured right tusk and to cut and band the left tusk (see anesthesia

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7.Jan.2003

record for details). Examination of the remainder of the right tusk revealed vertical fractures on the medial and caudal lateral aspects of the remainder of the fractured tusk. It was not possible to determine if these fracture lines entered into the pulp cavity and how far they extend vertically into the remainder of the tusk. The gingiva located at the level of the sulcus was inflamed and there was evidence of purulent discharge. The tusk was stable when manipulated. It did not appear that the horizontal (sagittal) fracture extended into the pulp cavity nor is there any pulp exposed. The vertical fractures were flushed with saline and the sulcus and gingiva were flushed vigorously with water. A fabricated metal clamp was attached to the distal end of the fractured tusk using bolts and nuts. Once this was accomplished, the distal jagged end of the tusk was cut off horizontally using a meat saw. Once cut, the pulp chamber appeared to be intact (not penetrated). Measurements of the body were taken in order to calculate body weight. Based on the values taken, Indy weighs between 10,500-11,000 lbs. The left tusk, which remains totally intact, was measured and shortened with a meat saw. The cut did not enter the pulp cavity. A similar protective clamp was placed on the distal end of the tusk. Conclusion: It is unknown at this point whether or not the right tusk will require additional treatment beyond local flushing and short term systemic antibiotic therapy. The worse scenario is that the tusk, and associated pulp, will become infected and need to be extracted. The keepers were advised to monitor the tusk, sulcus, gingiva and fracture sites carefully for purulent discharge and malodor. Tx: 2ml of tetanus toxoid was given IM in the left triceps region. Yohimbine (40mg) was given IM in the upper left rear leg. DMSO was applied to both areas post-injection. Clinical laboratory results: the CBC submitted on 1/2/03 was within normal limits.

Note: purulent material collected from under the sulcus was submitted for aerobic culture and sensitivity (including Nocardia) and gram stain.

Rx: TETANUS TOXOID 2 ml IM (NAM)

8.Jan.2003

Gram stain of purulent material and body measurements from 1/7.
Heart girth: 162.5 inches
Length: 104 inches
Height: 9ft 4in
foot girth: 56in
Trimmed portion of L tusk: 38.5cm

Gram stain: uniform population of gram positive diplococci. (NAM)

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6.Aug.2003

proximal portion of the fracture were probed with a canine urinary catheter and no tract exceeded 2 inches in length; the pulp cavity was not evident.

TX: the area at the base of the tusk and the sulcus were copiously flushed with warm water and dilute povidone iodine solution; because the distal portion of the oblique tusk fracture had sharp edges, and there is a high probability the Indy may attempt to fracture the remaining portion of the tusk, we elected to horizontally cut off the distal 3" of the tusk using a gigli wire; although there is a sharp edge present on the distal medial aspect of the tusk and 2 sharp edges present at the base of the tusk, we were unable to smooth or round these off because Indy was beginning to wake up and thrash his trunk around; following the procedure, Orabase was applied at the base of the tusk around the sulcus.

DX: blood was collected and submitted for a CBC and chemistry panel. A&P: From our exam today it does not appear that the fracture involved the pulp cavity and that the purulent exudate was emanating from the base of the tusk at the sulcus, possibly from the tissues rubbing on the sharp fracture edges. Keepers will flush the base of the tusk and sulcus twice daily with a weak solution of povidone iodine and warm water using a garden sprayer or a sprayer attached to a hose for at least 5 days. If there is visually evidence that the proximal sharp fragments or the distal medial portion of the tusk are causing abrasions or ulcerations, then we will need to re-sedate Indy and file or dremel off these edges. Note: Indy remained sedated until 3pm even though he had been given 50mg yohimbine IV following the procedure. At 3:10pm he was given an additional dose of 50mg yohimbine and 16 mg naloxone IM, because IV administration would have been too dangerous. In approximately 15 minutes he was much more active and was moved to the larger holding area. JM will check Indy later tonight and give additional yohimbine if needed and call GVK if he has concerns. GK/SC will have naltrexone available and come to the zoo if needed. (NAM)

11.Aug.2003

Blood work collected 8/6: CBC and chemistry profile WNL. (NAM)

18.Aug.2003

Tusk fracture recheck: the tissues of the sulcus are moderately inflamed and pus is flushed out in the morning cleaning. There is a pressure point developing on the ventrocaudal aspect of the trunk where it touches the sharp tusk.

P: continue flushing as before and monitor the lesions. (NAM)

21.Aug.2003

S/O: Swelling is decreased from recent tusk fracture. (EMB)

Printed on: 18.May.2005

/ISIS/MedARKS/5.31g

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22.Sep.2003

Collected blood and submit for West Nile serology (NAM)

16.Oct.2003

West Nile Positive at 1:8. (EMB)

27.Oct.2003

Recheck examination of R tusk: keepers report that there has been minimal if any growth over the last several months. The ivory appears to be becoming devitalized (grayish in color). The sulcus appears less inflamed. The area was flushed with cool water, and a small amount of purulent material was seen along the left edge of the sulcus. A small central oval cavity was observed at the distal end of the tusk - possibly communication with the pulp cavity?

P: keepers will attempt to get a measurement of the tusk. Should also compare current appearance with previous photographs. Keepers to discontinue povidone iodine flushes, and will use just water. Will consult GVK regarding future plan. (SC)

4.Dec.2003

As per CD, we are reducing the vitamin E dose from 3IU/kg to 1 IU/kg as per Dr. Ellen Dierenfield's recommendation. (KWP)

23.Dec.2003

S/O: Recurrence of the chronic proliferative skin lesion on the right cheek caudal and ventral to the temporal gland. The skin is hyperkeratotic and thickened, with a rostral ulcerated area. A/P: Keepers to clean daily with nolvasan solution, keep covered with furacin ointment and bag balm. Switch to betadine ointment when order is received. (EMB)

29.Dec.2003

Hx: cheek patch is hyperkeratotic; treatment of bag balm (on dried tissues) and nitrofurazone (on exposed tissues) appears to improve healing and sloughing of the dead tissues. The dried tissues is slowly peeling off. P: continue treatment as indicated, try to use the soft scrub brush to clean the area before application of the creams (will remove more of the debris). (NAM)

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12.Jan.2004

Hx: cheek patch inflammation - resolving
 Obs: most of the dried devitalized tissue covering the area has sloughed off. The underlying tissue is leathery and depigmented

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12.Jan.2004

(scar). There is only a small amount of dried tissue caudal and dorsal to the scar that still needs to be sloughed off. Keepers continue to clean with nolvasan and apply nitrofurazone ointment to the wound and bag balm to the surround skin. Fecal collected on 1/6/04 was negative for ova and parasite. (NAM)

23.Feb.2004

Annual TB test: Water was withheld for 2 hours prior to the procedure. 60cc of sterile saline was instilled into one nostril using a 60cc syringe and a 12Fr red rubber catheter. A rectal examination glove was then immediately placed over the end of the trunk and he blew the saline out of his nose. The resultant sample was transferred into a screw-top centrifuge tube. The sample was placed in the freezer.
P: collect sample again on Wednesday and Friday, and then submit all samples for Mycobacterium culture. (SC)

25.Feb.2004

Annual TB test #2: Water was withheld for 2 hours and he was lightly exercised prior to the procedure. 60cc of sterile saline was instilled into one nostril using a 60cc syringe and a 12Fr red rubber catheter. A rectal examination glove was then immediately placed over the end of the trunk and he blew the saline out of his nose. The resultant sample was transferred into a screw-top centrifuge tube. The sample was placed in the freezer.
P: collect sample again on Friday, and then submit all samples for Mycobacterium culture. (SC)

27.Feb.2004

Annual TB test #3 plus vaccinations: Water was withheld for 2 hours and he was lightly exercised prior to the procedure. 60cc of sterile saline was instilled into one nostril using a 60cc syringe and a 12Fr red rubber catheter. A rectal examination glove was then immediately placed over the end of the trunk and he blew the saline out of his nose. The resultant sample was transferred into a screw-top centrifuge tube. The sample was placed in the freezer. Injections administered: Imrab 2ml IM R rear, tetanus toxoid 1ml IM L rear. Injection sites were surgically prepped and treated with DMSO.
P: Submit all samples for Mycobacterium culture. Monitor for injection site reactions.
Blood was submitted for CBC and chem panel, West Nile serology, Vitamin E submitted to both Cornell and Michigan using 2 separation techniques: in the first, the blood was centrifuged immediately and frozen at -20C. In the second, the blood was stored for 2 hours in the fridge and then centrifuged (old technique). Serum was banked for TB ELISA. (SC)

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29.Sep.2004

Semen collection this afternoon by JM and NAM was successful. A large amount of sperm was collected, but motility was almost 0%. (SEC)

6.Oct.2004

Semen collection successful today. Slow and soft stimulation was used, he passed about 1-2 ml today (drops), sperm was concentrated but very few were alive by the time we looked at it under the microscope. P: repeat stimulation tomorrow. (NAM)

7.Oct.2004

Semen collection today. Only a few drops were collected again but motility was >50%. Beth tried different transport media. Will write specific next week when she is on. (NAM)

23.Nov.2004

Supplement Update:
10 ml Vitamin E (1U/kg)
1 Scoop Elephant biotin (43 cc)
Salt/mineral block small handful
All supplement given daily. Vitamin E recalculated when weights taken. (KWP)

.....2005...

28.Feb.2005

Today 2 attempts were made to collect semen for an AI (Seattle). In the morning, we collected a few drops - no motility in the early sample and urine contamination in the later samples. In the afternoon as second attempt was made, but resulted in only urine. P: will try again tomorrow morning (SEC)

14.Mar.2005

Trunk wash performed (#1): 120mls of sterile saline instilled into 1 nostril: submitted for first mycobacterial culture. Sample frozen until all three can be submitted together. (SEC)

16.Mar.2005

Charlie Gray coming on March 29 for collection. (NAM)

16.Mar.2005

Trunk Wash #2 performed: 120mls of sterile saline instilled into one nostril. Sample collected frozen and will be submitted for mycobacterial culture after all 3 samples have been obtained. (SEC)

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30.Mar.2005

Serum vitamin E concentration in sample collected 3/17/05 was 67 ug/dl (normal range 23 -157 ug/dl). (NAM)

3.Apr.2005

Three attempts were made today to collect Indy for potential AI (California). Although the penis dropped, we were unable to stimulate him completely. The drops that were collected were of urine. No sperm were seen. An ultrasound showed a left ampulla of 2.8cm of length. P: contact Charlie Grey and try again tomorrow. (NAM)

4.Apr.2005

Lab results:
WNV SN (collected 3/17): negative 1:40
Attempts to collect semen today resulted in ejaculation with urination. Ultrasound after enema showed filled ampullae, one of the seminal vesicle was seen, the prostate was briefly visualized, and the left bulbourethral gland was seen. Stimulation was started at 10:00 and stopped at 10:50 when no semen was collected, and resumed at 11:00. Around 11:15 one drop of pure semen was collected (non-motile) and around 11:25, he ejaculated and urinated at the same time. (SEC)

20.Apr.2005

EEHE ELISA submitted when Mali was sick showed low titers. All other elephants in herd had low titers except for Siri who had high titers. P: repeat 6 weeks after this last sample was collected. The lab will try to retrieve the serum that was sent around the time when Preya was sick to assess seroconversion. (NAM)

27.Apr.2005

Semen collection was attempted today (as PEM demonstration). Ultrasound by Dr Schmitt, ampullae about 3-4 cm, but bladder was not completely empty. Session started at 12:40PM. Penis dropped but by 12:55 he retracted. Session was stopped and resumed at 12:59. He dropped again but did not ejaculate. at 1:10, the session was terminated. 2 samples were collected (1 drop then about 0.5 ml) but consisted in urine. (NAM)

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25.May.2005

Trunk washes performed on 3/14, 3/16 and 3/17/05 submitted to NVSL for mycobacterial culture were all negative. (NAM)

23.Jun.2005

Blood collected on May 18th 2005 was submitted as the paired sample for the samples collected after Mali's illness (in March 2005). Results were identical to those obtained in March with all elephants showing low levels except for Siri who showed again high titers. Interpretation is still tentative with many disclaimers from the lab. Siri's results may mean that she has been exposed to EEHV sometime in the past. Mali's low results may mean that she has never been exposed. Right now the lab is trying not to draw any conclusions based on the ELISA results as they need to test more animals. (SEC)

13.Jul.2005

Keeper report 7/12: cleaned out right cheek patch and applied nitrofurazone to area. (KWP)

5.Oct.2005

Per keeper report 10/4: treated right cheek patch. A little bit of pus inside cheek patch. Cleaned with nolvasan solution and applied ointment. (KWP)

17.Nov.2005

S/O:Seasonally recurring chronic proliferative/ulcerative dermatitis on right lateral facial area.The lesion is approximately 3.5 in long and 3 in wide.The margins are firm/fibrous and there is a partially healed central longitudinal partially epithelialized crater.Keepers indicate that Indy sleeps on both sides but predominately on his left side. The wound has been treated with washing with dilute chlorhexidine and nitrofurazone ointment for approximately 3 months ranging in application from daily to weekly. By this time of the year the lesions genrally regresses and is inactive during the winter months.A: Chronic proliferative/ulcerative dermatitis. Etiology presumed to be trauma with secondary bacterial or fungal infection It is possible that he sleeps more on his left side to prevent pressure on the lesion. Plan: D/C nitrofurazone ointment and apply Preparation H daily for the next month. Reassess at that time. If the lesion is not progressing well, then consider biopsy of central and peripheral areas of the lesion for histopathology and culture/sensitivity. (GVK)

