

Clinical Notes - Individual Specimen Report
BURNET PARK ZOO

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ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: KIRINA

Sex: Female
Age: 11Y 9M 15D

Ass. #: 2005-0001
Birth: 09/20/94

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.....2005....

5.Dec.2005

Baseline progesterone for 11/26/05: 0.41 ng/ml. (NAM)

12.Dec.2005

Progesterone from 12/3/05 0.11 ng/ml (RSC)

19.Dec.2005

Progesterone from sample collected on 12/10/05 was 0.08 ng/ml
(NAM)

30.Dec.2005

Progesterone from sample collected on 12/17/05 was 0.07 ng/ml (NAM)

.....2006....

9.Jan.2006

Progesterone baseline from sample collected 12/24/05: less than
ng/ml

Progesterone baseline from sample collected 12/31/05: less than
ng/ml (NAM)

18.Jan.2006

Blood progesterone level from blood collected on 1/18/06 was
0.05 ng/ml. (SLB)

23.Jan.2006

S/O: Lacerated the "finger" of her trunk ventrally from the
lateral aspect to the left lateral aspect and deep to the skin.
It was actively bleeding and she was reluctant to use her trunk
initially. The wound was flushed with nolvasan solution which
initiated more bleeding. Keepers soaked the tip in ice water to stop
the bleeding. A/P: Keepers to soak in dilute nolvasan solution
times daily to keep area clean. Monitor for discharge, swelling,
(RSC)

24.Jan.2006

Recheck of the trunk laceration. It is healing very well. Only mild
swelling and erythema is present. There was no discharge. The wound
closed down and is no longer open. Keepers have not seen her use her
trunk. They are soaking the tip in ice water to keep her comfortable. They
do so for another 1-2 days. (SLB)

25.Jan.2006

Recheck laceration of trunk: ventral aspect of the trunk. She
had sustained an injury last weekend. It is now healing well with
no complication and only a white thin scar is present. Kirina is using
her trunk normally. Keepers continue to treat with the ice water.
They will continue treatment for a few more days. (NAM)

Clinical Notes - Individual Specimen Report
BORNHILL 01/01/2007

01/01/07

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ELEPHAS MAXIMUS (no subsp)	Sex: Female	Acc. #:
Asiatic elephant	Age: 11Y 9M 15D	Birth: 20/09/95
Name: KIRINA		

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27.Jan.2006

Recheck of trunk laceration on ventral aspect of finger. The wound is still closed, but there was some necrotic debris present at the wound edges. She continues to use the trunk normally. Keepers will continue nolvasan solution dips for another couple of days. (SLB)

30.Jan.2006

Recheck of trunk laceration on ventral aspect of finger. Wound is granulating in well and is planar. Wound edges are slightly raised, ~3mm wide and ~3-4mm deep. Keepers will continue nolvasan solution dips for 2 more days, then recheck. (NAM)

2.Feb.2006

The wound is granulating in well. No necrotic tissue was present. Keepers will discontinue the Nolvasan dips, but continue to examine the lesion daily and alert vet staff if it appears to be getting deeper, swollen, or irritated. Blood progesterone level from blood collected on 1/21/06 was less than 0.05 ng/ml. (SLB)

6.Feb.2006

Blood progesterone level from blood collected on 1/14/06 was less than 0.05 ng/ml
Blood progesterone level from blood collected on 1/21/06 was less than 0.05 ng/ml
Blood progesterone level from blood collected on 1/28/06 was less than 0.05 ng/ml (EMB)

13.Feb.2006

Blood progesterone level from blood collected on 1/21/06 was less than 0.05 ng/ml (EMB)

20.Feb.2006

Blood progesterone level from blood collected on 2/11/06 was less than 0.05 ng/ml
S/O: Annual 1st TB test (trunk) wash collected and frozen. A: normal appearing fluid collected. P: 2nd trunk wash to be completed on 2/21. (SLB)

21.Feb.2006

S/O: Annual TB test: 2nd trunk wash collected and frozen. A: normal appearing fluid collected. P: 3rd trunk wash to be completed on 2/21. (NAM)

22.Feb.2006

S/O: Annual TB test: 3rd trunk wash collected and frozen. A: normal appearing fluid collected. P: 4th trunk wash to be completed on 2/21. Blood was collected for serum banking and serum banking (samples to be send out for various research projects according to SSP recommendations). (NAM)

Clinical Notes - Individual Specimen Report
BURNETT PARK ZOO

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ELEPHAS MAXIMUS (no subsp)	Sex: Female	Age: 11Y 9M 15D
Asiatic elephant		Birth: 05/05/95
Name: KIRINA		

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27.Feb.2006

Progesterone baseline on sample collected 2/18/06 was 0.36 ng/ml
Bloodwork collected on 2/22/06 showed normal CBC and chem panel
(SLB)

6.Mar.2006

Progesterone 2/25/2006: 0.56ng/ml (EMB)

21.Mar.2006

Progesterone 3/11/2006: 0.55ng/ml (NAM)

10.Apr.2006

Progesterone from sample collected on 4/1/06: 0.24ng/ml (NAM)

23.Apr.2006

Progesterone levels from 8 April 2006: <0.05ng/ml
Progesterone levels from 15 April 2006: 0.05ng/ml (RSC)

1.May.2006

Progesterone from 4/22/06: 0.14 ng/ml
Trunk washes from 2/20, 2/21 and 2/22/2006 negative for progesterone
(EMB)

9.May.2006

Progesterone 4/29/06: 0.05ng/ml (EMB)

15.May.2006

Progesterone levels from 5/10/06: 0.05ng/ml (NAM)

22.May.2006

Progesterone levels from 05/13: less than 0.05 ng/ml (SLB)

24.May.2006

Progesterone level from blood collected on 5/20/06 was < 0.05ng/ml
(NAM)

28.May.2006

Progesterone level from blood collected on 5/27/06 was <0.05ng/ml
(RSC)

8.Jun.2006

Kirina was sedated this afternoon in preparation for her dental
surgery. SHE received 100 mg of xylazine and 10 mg of ketamine
sedated and after 15 minutes of sedation was ready for surgery.
so she was promptly reversed with a first dose of 30mg of yohimbine

Clinical Notes - Individual Specimen Report
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ELEPHAS MAXIMUS (no subsp)	Sex: Female	Age: 11Y 9M 15D	Birth: 26 Jun 1995
Asiatic elephant			
Name: KIRINA			

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8.Jun.2006

(leg vein). A few minutes later, she was noted to have improved blood pressure but was still unresponsive. A second dose of xylazine was given iv in the ear vein (30mg) which resulted in appropriate emergence. She stood up normally. SHE remained quiet but playful (playing slowly with her food). By 8PM there were no residual effects noted. (NAM)

9.Jun.2006

No further problem noted from yesterday's sedation (NAM)

14.Jun.2006

Progesterone levels from sample collected 6/03/06 were 0.24ng/ml. Blood sample from 6/10/06 had dropped out of bag so lab could not do assay. (NAM)

19.Jun.2006

Progesterone level from sample collected 6/10/06 was 0.26 ng/ml (SLB)

26.Jun.2006

Progesterone 6/19/2006: 0.53ng/ml (BMB)

5.Jul.2006

Progesterone values for blood collected on 6/24/06 was 0.72 ng/ml (NAM)

10.Jul.2006

Keepers unmasked sole wound on 7/8/06 (left front foot between digits 4 and 5 - slightly caudal). No lameness noted and she processed coconut using that foot. Examination of wound on sole - circular area of thinned keratin. P: keepers will continue to treat as before. (NAM)

10.Jul.2006

Keeper log (9 July): "on 7/8/06 a small portion of overgrowth was removed resembled a flap. Today the base of the flap is still swollen, white and soft like a burn. Affected area looks as if there was a small stone on the foot. (Stone not present at this time). CD up to inspect. Continue with Koppertox and/or clean 3-4x daily." (RSC)

17.Jul.2006

Sole defect is improving and hardening. No further problem reported. Blood progesterone from sample 7/01/06 was 1.08 ng/ml. Blood progesterone from sample 7/07/06 was 0.62 ng/ml (NAM)

Clinical Notes - Individual Specimen Report
BURNETT 8/11/2007

ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: KIRINA

Sex: Female
Age: 11Y 9M 15D

Birth: 10/16/95

2.Aug.2006

Blood progesterone from sample 7/15/06 was 0.51ng/ml

Blood progesterone from sample 7/22/06 was 0.42ng/ml (NAM)

14.Aug.2006

Progesterone 8/9/2006: less than 0.05 ng/ml (EMB)

23.Aug.2006

Serum progesterone from 8/12 was less than 0.05ng/ml (NAM)

26.Aug.2006

Progesterone baseline (from 19-Aug 06) is less than 0.05 ng/ml
(TAG)

14.Sep.2006

Progesterone baseline from 08/26/06 is less than 0.05 ng/ml

Progesterone baseline from 09/02/06 is less than 0.05 ng/ml

Today she was placed in front of Indy to help tease him during
collection. (NAM)

28.Sep.2006

Progesterone level from sample collected 9/16/06: <0.05 ng/ml

Progesterone level from sample collected 9/22/06: 0.2 ng/ml (NAM)

9.Oct.2006

Progesterone baseline from samples collected on 9/20/06 is less than
(EMB)

16.Oct.2006

Progesterone baseline from samples collected on 16/10/06 is less than
(SLB)

23.Oct.2006

Progesterone baseline from samples collected on 10/16/06 0.56ng/ml
(TAG)

30.Oct.2006

Progesterone levels from blood submitted on 9/9/06 was less than
0.05ng/ml.

Progesterone levels from blood submitted on 10/21/06 was less than
(SLB)

6.Nov.2006

Progesterone from 10/28/2006: 0.51ng/ml (TAG)

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PAGE 1

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Asiatic elephant
Name: KIRINA

Sex: Female
Age: 11Y 9M 15D

Age at Birth: 0Y 0M 0D
Birth Date: 01/11/1995

13.Nov.2006

Progesterone baseline from sample collected 11/4/06 was 0.19 ng/ml.
(EMB)

20.Nov.2006

Progesterone baseline from sample collected on 11/20/06 was 0.19 ng/ml.
(NAM)

29.Nov.2006

Blood was collected and submitted to human hospital for iron, TIBC, ferritin, and transferritin levels (to serve as a comparison/control for Siri).

Progesterone baseline from sample collected on 11/29/06 was 0.19 ng/ml.

P: Collect blood tomorrow and submit for CBC to Cornell. (SLB)

30.Nov.2006

Blood was collected and submitted for CBC. (SLB)

4.Dec.2006

Serum progesterone sample from 11/29/06 was 0.19 ng/ml.

CBC results obtained 30-Nov-06 reveal normal CBC except for a slight increase in PCV (47, range 36.1 +/- 6.5%). Total protein is 6.8 g/dl, which is within normal range. Increased PCV may indicate hemoconcentration. (TAG)

11.Dec.2006

Thermography examination showed no specific pattern of abnormal temperature distribution. All her toes were of equal temperature and were cooler than the rest of her body. Overall her body appeared warmer than Romani's. This exam will be repeated later this week. (NAM)

11.Dec.2006

Baseline progesterone level from sample collected on 11/29/06 was 0.19 ng/ml.
(SLB)

14.Dec.2006

S/O: Yesterday the hydrolic door between enclosures was repaired. However, during the evening the door was breached. Most of the night, 15cm of her tail was abraded and ulcerated. The tail was cleaned with tap water, followed by saline. SSD was then applied.

A: Tail abrasions and ulcerations.

P: Keepers will continue to clean the tail. If she tolerates the application of SSD, continue to dress the wound twice daily for one week. If she develops lameness/soreness, consider treatment with banamine. (SLB)

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Page 1

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4.Jan.2007

continues to heal well with good scab formation on the dorsal surface, there is a small amount of pus on the tail tip. A mild amount of purulent exudate can be expressed from margins of scab (caudally and most lateral margins). Kirina is moderately sensitive on palpation of this lesion. A/P: Dorsal lesion cleaned with dilute chlorhexidine. Keepers to continue cleaning with small surgical brush and chlorhexidine solution. (TAG)

8.Jan.2007

Progesterone baseline 12/23/2006: less than 0.05 ng/ml
Progesterone baseline 12/30/2006: less than 0.05 ng/ml
Recheck of tail wound. The scab on the dorsal lesion has fallen off. There is intermixed fibrous tissue and some granulation tissue. No purulent exudate was noted, although the area is still sensitive on palpation. The wound on the ventral surface has closed over completely. (FMB)

10.Jan.2007

S/O: Kirina's tail wound is healing well. The dorsal wound has a scab several days ago. The area is dry and a new scab is forming in the center. The ventral area is healed but depigmented. The dorsal side is still sensitive to palpation but no pus is exuded. (TAG)

11.Jan.2007

The tail wounds are healing well with a few linear scabs. The granulation bed is still exposed between areas of thickened skin. We decided to discontinue the betadine and silvadene (she is winking at the cream immediately after application). John will try the water cleansing followed by application of the panafil (generic form) to help debride the last areas of non-viable material. This will be done once a day unless irritation is observed. If there is any discomfort from the application of the panafil, the area treated with betadine and rinsed thoroughly. (NAM)

12.Jan.2007

Note: panafil not available, keepers will use Granulex spray. (FMB)

13.Jan.2007

Progesterone baseline 1/10/2007: less than 0.05 ng/ml (FMB)

16.Jan.2007

Tail is healing well and there are only 2 small scabs remaining on the ventral side and one smaller than before on the dorsal aspect. Granulex treatment (not panafil) seems to be effective. Continue until Thursday then recheck by vets. (NAM)

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1-11

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Name: KIRINA

Sex: Female
Age: 11Y 0M 15D

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18.Jan.2007

Ventral aspect of the tip tail is completely healed and only a thin linear L shaped scab remains on the dorsal aspect of the tail. Granulex was discontinued. (NAM)

27.Jan.2007

Progesterone baseline from 1/20/07: 0.14 ng/ml (SLB)

10.Feb.2007

Serum progesterone (from 27-Jan-07): 0.33 ng/mL
Serum progesterone (from 3-Feb-07): 0.50 ng/mL (NAM)

26.Feb.2007

2/10/2007: Progesterone 0.52ng/ml
2/17/2007: Progesterone 0.56ng/ml (EMB)

5.Mar.2007

2/24/07 Progesterone levels 0.52ng/ml (NAM)

10.Mar.2007

Progesterone 3/3/2007: 0.38 ng/ml (EMB)

Weight: 2100 kg

15.Mar.2007

Blood will be collected at the next bleeding opportunity for blood banking to submit for rabies and tetanus titers. We will wait for the chembio test to become approved before testing our animals. (NAM)

19.Mar.2007

Serum Progesterone from 3/10/2007: 0.37 ng/ml (NAM)

22.Mar.2007

Serum Progesterone from sample collected on 3/17/07: 0.52 ng/ml (NAM)

2.Apr.2007

Rabies titer from 3/19/2007 was 1:370. This is well above the human cutoff for immunity which is 1:5. The AAZV recommends rabies vaccination regardless of titer since there is "insufficient data to determine adequate protective vaccine doses and titers." (EMB)