



Clinical Notes - Individual Specimen Report  
BURNET PARK ZOO

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Scientific Name: ELEPHAS MAXIMUS MAXIMUS	Accession #: M84017
Common Name: Sri Lankan elephant	Female
Name: <u>ROMANI</u>	Birth: 22.Aug.1975 (Estimated)

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10.Feb.2000

10:17 she passed the first part of the mucous plug with micturition.

12:30 Dr Dennis Schmitt arrived for assistance and performed rectal palpation and ultrasound: cervix is dilated and membranes are seen. Feet are palpated and observed on ultrasound. Nails were palpated dorsally, indicating an anterior presentation. Phase 1 of labor in progress.

2:30AM Second rectal palpation revealed a 8-10 inches progression of feet caudally. Membranes still intact, more mucous plug expelled.

7:00AM Third rectal examination revealed further progression of the fetus caudally: another 6-8 inches gained. Large amount (100-150 ml) of mucous plug expelled after palpation. Blood was collected and send out to Alliance lab (last sample) for progesterone. 0.33ng/ml

11:00AM Fourth rectal examination: Continued caudal progression of fetus, forehead was palpated: fetus appeared in good position with both feet forward.

Plan: will continue to monitor with examination at 2:00PM.

2:00PM: fifth palpation revealed further progression of about 3 inches. But the fetus moved cranially away from the rectum. Rectal massage of the vagina helped stimulate the repositionning of the fetus.

5:00PM: feet of the fetus are just 10 cm from the anus. If by 7PM no further progression, Romani will be induced due to the fact that the fetus is now in a possibly compromised position (chest/abdomen on the pubis compressing the umbilical cord+ short length of cord).

7:15PM: no change, the right triceps was surgically prepped and 20IU of oxytocin were administered with a 20g siphon needle IM at 7:40PM.

Contractions started within 10 minutes of administration, long and frequent. The bulge appear and the baby was born at 8:08PM. The baby was pulled away from Romani and the amnion was removed; she immediately moved and tried to stand. Meconium was passed normally. Respirations were regular and some truncal secretions were expelled up to 30 minutes post birth. Measurements and blood (from aural vein) were collected. BW=286lbs.

The umbilicus was flushed per Dr Schmitt's recommendation 3-6 times the first day then once a day for the next 3 days. He uses strong











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/ISIS/MedARKS/5.31g

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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)

5.Dec.2003

Progesterone baseline (taken 11/29): 0.17 ng/ml (SC)

12.Dec.2003

Progesterone (12/06/03): 0.10 ng/ml. (NAM)

22.Dec.2003

Progesterone baseline (12/13/2003): <0.05ng/mL (RSC)

.....2004....

4.Jan.2004

Progesterone baseline (12/20/2003): <0.05ng/mL  
Progesterone baseline (12/27/2003): <0.05ng/mL (RSC)

11.Jan.2004

Keepers report that she is walking stiffly on her right foreleg. Per CD the lameness appears to originate in the carpus. Keepers initiated hydrotherapy and will monitor. NAM notified. (RSC)

12.Jan.2004

Right carpus reportedly stiff yesterday. Managed with hydrotherapy SID. Much improved today as she is able to flex the joint and move more easily. Keepers suspect that she developed pain from cold air draft. They do not think that she injured herself while spending time outside.

Proc: observation of gait showed a slowed pace, but she is bearing full weight on the right forelimb. At rest she will shift her weight off that leg. Palpation of the forelimb revealed increased heat in the medial muscles at the level of the radius/ulna. No pain, swelling or heat was detected around the carpus.

Plan: continue hydrotherapy, if possible BID and include the inside of the forelimb. Keepers will add hay/straw to block the draft from the door.

Fecal collected on 1/6/04 was negative for ova and parasite. (NAM)

21.Jan.2004

progesterone baseline (collected 1/3): <0.05 ng/ml  
progesterone baseline (collected 1/10): 0.12 ng/ml (SC)

26.Jan.2004

progesterone baseline (collected 1/17): 0.28ng/ml (SC)

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4.Feb.2004

Progesterone baseline (collected 1/24): 0.61 ng/ml (SC)

8.Feb.2004

Progesterone baseline (collected 1/31): 0.45 ng/ml (RSC)

12.Feb.2004

Height 7'10" (KWP)

15.Feb.2004

Progesterone baseline (collected 2/07): 0.60 ng/ml (RSC)

23.Feb.2004

Annual TB test: Water was withheld for 2 hours and she 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 she blew the saline out of her 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 she 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 she blew the saline out of her 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.

Baseline progesterone (collected 2/14/04): 0.4ng/ml (SC)

27.Feb.2004

Annual TB test #3 plus vaccinations: Water was withheld for 2 hours and she 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 she blew the saline out of her 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 triceps, tetanus toxoid 1ml IM L

















