

Clinical Notes - Individual Specimen Report
RIO GRANDE ZOOLOGICAL PARK

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ELEPHAS MAXIMUS (no subsp)	Sex: Male	Acc. #: M03031
Indian elephant	Age: 8Y 6M 7D	Birth: 29.Nov.1998
Name: ALBERT		

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.....2003....

21.Nov.2003

Lab: Samples submitted to NMVDS for CBC, chemistry panel, and vitamin E level. (GAD)

25.Nov.2003

Lab: CBS results WNL. Lab is unable to find sample submitted for chemistry panel. (GAD)

3.Dec.2003

Lab: Serum vitamin E results on sample sent 11/21/03: 1.53ug/ml.
Ref. range = 0.75 - 1.3ug/ml with median concentration of 1.0ug/ml.
(CF)

.....2004....

5.Jan.2004

Lab: Trunk wash #04-01 submitted to NMVDS for Mycobacterial culture.
(GAD)

7.Jan.2004

Lab: Trunk wash #04-02 submitted to NMVDS for Mycobacterial culture.
(GAD)

9.Jan.2004

Lab: Trunk wash #04-03 submitted to NMVDS for Mycobacterial culture.
(GAD)

3.Feb.2004

Lab: Trunk wash #04-03 sent 01-09-04 cultured overgrown. Smear negative. (CF)

25.Feb.2004

Lab: Trunk wash #04-01 sent 01-04-04 cultured negative for Mycobacterium. Smear negative. (CF)

26.Feb.2004

Lab: Trunk wash #04-02 sent 01-07-04 cultured negative for Mycobacterium. Smear negative. (CF)

25.Jun.2004

Lab: Routine yearly fecal float performed on individual sample. Results negative. (CF)

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7.Jul.2004

Lab: Trunk wash #04-04 submitted to NMVDS for Mycobacterial culture.
(GAD)

9.Jul.2004

Lab: Trunk wash #04-05 submitted to NMVDS for Mycobacterial culture.
(GAD)

12.Jul.2004

Lab: Trunk wash #04-06 submitted to NMVDS for Mycobacterial culture.
(GAD)

26.Aug.2004

Lab: Trunk wash #04-05 sent 7-9-04 cultured overgrown. Smear
negative. (CF)

27.Aug.2004

Lab: Trunk wash #04-06 sent 7-12-04 cultured overgrown. Smear
negative. (CF)

31.Aug.2004

Lab: Trunk wash #04-04 sent 7/7/04 cultured negative for
Mycobacterium. Smear negative. (GAD)

8.Sep.2004

Note: Two of his trunk washes have overgrown. Repeat testing.
Lab: Trunk wash #04-07 submitted to NMVDS for Mycobacterial culture.
(GAD)

10.Sep.2004

Lab: Trunk wash #04-08 submitted to NMVDS for Mycobacterial culture.
(GAD)

13.Sep.2004

Lab: Trunk wash #04-09 submitted to NMVDS for Mycobacterial culture.
(GAD)

17.Oct.2004

CC: Keepers report that he was pinned by Alice against a 20 in.
diameter tree trunk embedded in the ground and that it snapped off at
the base when she hit him. The tree impacted him about mid-thorax and
he fell to his knees after the attack. It was the normal time to
bring them in so he was brought in and offered his normal diet which
he readily consumed but later showed signs of discomfort, acting like
he wanted to lie down but was too uncomfortable to do so.
EJG examined and prescribed 1 gm Phenylbutazone PO which he readily
took. (MJR)

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18.Oct.2004

VE: Is a little apprehensive this AM with a wide-eyed appearance but is moving freely about the stall and review of the overnight tapes indicates he moved around all night but did not lie down.

Tx: Bute 1 gm PO.

Plan: Observe when asked to lie down during the bath routine, should be OK based on observations so far. (MJR)

25.Oct.2004

Lab: Trunk wash #04-07 submitted 9/9/05 cultured negative for Mycobacteria. Smear negative. (GAD)

26.Oct.2004

Lab: Trunk wash #04-08 submitted 9/10/04 cultured overgrown. Smear negative. (GAD)

2.Nov.2004

Lab: Trunk wash #04-09 sent 9-13-04 cultured Presumptive MOTT Chromogenic AFB isolate - Not TB. Smear negative. (CF)

.....2005...

5.Jan.2005

Lab: Trunk wash #05-01 submitted to NMVDS for mycobacterial culture. (GAD)

7.Jan.2005

Lab: Trunk wash #05-02 submitted to NMVDS for Mycobacterial culture. (GAD)

10.Jan.2005

Lab: Trunk wash #05-03 submitted to NMVDS for Mycobacterial culture. (GAD)

28.Jan.2005

Lab: Trunk wash #05-01 submitted 1/5/05 cultured overgrown. Smear negative. (GAD)

4.Mar.2005

Lab: Trunk wash #05-02 submitted 1/7/05 cultured negative for Mycobacteria. Smear negative. (GAD)

5.Mar.2005

Lab: Trunk wash #05-03 submitted 1/10/05 cultured negative for Mycobacteria. Smear negative. (GAD)

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8.Apr.2005

Obs: Ultrasound of the bladder by Charlie Gray during routine assessment for semen collection reveals a lot of small calculi in the urinary bladder. Half sibling was treated for urinary obstruction from similar calculi in Canada and the recommendation is to acidify the urine, use softened water, feed a lower calcium content hay like oat.

Semen collection was successful with good quantity and quality.
(MJR)

13.Apr.2005

Instructed keepers to collect urine 2 or 3 times weekly for baseline quantitative crystal analysis.

Lab: First sample collected today, midstream catch.

Measured 2 mm crystals in 10 ml urine. Confirmed calcium carbonate composition. (GAD)

22.Apr.2005

Lab: Urine sample: Measured a trace of crystals in 10 ml urine. Calcium carbonate. (GAD)

27.Apr.2005

Lab: Urine sample: Measured 6 mm crystals in 10 ml urine. Calcium carbonate. (GAD)

28.Apr.2005

Lab: Urine sample: Measured 9 mm crystals in 10 ml urine. Calcium carbonate. (GAD)

6.Jul.2005

Lab: Trunk wash #05-04 submitted to NMVDS for Mycobacterial culture. (GAD)

8.Jul.2005

Lab: Trunk wash #05-05 submitted to NMVDS for Mycobacterial culture. (GAD)

11.Jul.2005

Lab: Trunk wash #05-06 submitted to NMVDS for Mycobacterial culture. (GAD)

12.Jul.2005

Lab: Routine yearly fecal float performed on refrigerated individual sample. Results negative. (CF)

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Birth: 29.Nov.1998

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20.Jul.2005

Lab: Urine sample - measured 6 mm crystals in 10 ml urine. Calcium carbonate. (GAD)

9.Aug.2005

Lab: Trunk wash #05-05 submitted 7/8/05 cultured overgrown. Smear negative. (GAD)

22.Aug.2005

Lab: Trunk wash #05-06 submitted 7/11/05 cultured overgrown. Smear negative. (GAD)

31.Aug.2005

Lab: Sent a semen sample to Fort Collins for the XY project. Fairly certain sample was urine contaminated but it did have some (10-15%) motility and 2/5 progression at time of collection. (GAD)

7.Sep.2005

Lab: Trunk wash #05-07 submitted to NMVDS for Mycobacterial culture. (GAD)

9.Sep.2005

Lab: Trunk wash #05-08 submitted to NMVDS for Mycobacterial culture. (GAD)

12.Sep.2005

Lab: Trunk wash #05-09 submitted to NMVDS for Mycobacterial culture. (GAD)

5.Oct.2005

Lab: Trunk wash #05-04 submitted 7/6/05 cultured negative for Mycobacteria. Smear negative. (GAD)

22.Nov.2005

Lab: Trunk wash #05-07 submitted 9/7/05 cultured negative for Mycobacteria. Smear negative. (GAD)

23.Nov.2005

Lab: Trunk wash #05-08 submitted 9/9/05 cultured overgrown. Smear negative. (GAD)

24.Nov.2005

Lab: Trunk wash #05-09 submitted 9/12/05 cultured overgrown. Smear negative. (GAD)

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5.Dec.2005

Lab: Trunk wash #05-10 submitted to NMVDS for Mycobacterial culture. Resubmitting this month since 2 of last 3 cultures overgrew. Tried flushing trunk with saline 1/2 hour before collecting wash to obtain a cleaner sample. Will submit another set with regular six month collections next month as well. (GAD)

7.Dec.2005

Lab: Trunk wash #05-11 submitted to NMVDS for Mycobacterial culture. (GAD)

9.Dec.2005

Lab: Trunk wash #05-12 submitted to NMVDS for Mycobacterial culture. (GAD)

.....2006...

9.Jan.2006

Lab: Trunk wash #06-01 submitted to NMVDS for Mycobacterial culture. (GAD)

11.Jan.2006

Lab: Trunk wash #06-02 submitted to NMVDS for Mycobacterial culture. (GAD)

13.Jan.2006

Lab: Trunk wash #06-03 submitted to NMVDS for Mycobacterial culture. (GAD)

30.Jan.2006

Lab: Trunk wash #05-11 submitted 12/07/2005 cultured negative for mycobacterium. Smear negative. (LV)

31.Jan.2006

Lab: Trunk wash #05-12 submitted 12/09/2005 cultured negative for mycobacterium. Smear negative. (LV)

16.Mar.2006

Lab: Trunk wash #05-10 submitted 12/5/06 cultured negative for Mycobacterium. Smear negative. (GAD)

1.Apr.2006

Lab: Trunk wash #06-01 submitted 1/9/06 cultured negative for Mycobacteria. Smear negative. (GAD)

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2.Apr.2006

Lab: Trunk wash #06-02 submitted 1/11/06 cultured negative for Mycobacteria. Smear negative. (GAD)

3.Apr.2006

Lab: Trunk wash #06-03 submitted 1/13/06 cultured negative for Mycobacteria. Smear negative. (GAD)

7.Jul.2006

Lab: Trunk wash #06-04 submitted to NMVDS for Mycobacterial culture. (GAD)

11.Jul.2006

Lab: Trunk wash #06-05 submitted to NMVDS for Mycobacterial culture. (GAD)

12.Jul.2006

Lab: Trunk wash #06-06 submitted to NMVDS for Mycobacterial culture. (GAD)

14.Jul.2006

Lab: Serum sample submitted to NMVDS for routine serum Vitamin E level. (GAD)

19.Jul.2006

Weight: 1636 Kg (3607 Lb)
Weight - 1636 kg. (GAD)

21.Jul.2006

Lab: Serum Vitamin E: 1.88. Within acceptable limits. (GAD)

29.Aug.2006

Lab: Trunk wash #06-04 submitted 7/7/06 cultured negative for Mycobacteria. Smear negative. (GAD)

30.Aug.2006

Lab: Trunk wash #06-05 submitted 7/11/06 cultured negative for Mycobacteria. Smear negative. (GAD)

31.Aug.2006

Lab: Trunk wash #06-06 submitted 7/12/06 cultured negative for Mycobacteria. Smear negative. (GAD)

1.Sep.2006

Note: Started on beta carotene supplement as per recommendation of Charlie Gray and Dr. Hildebrandt. Believed to improve sperm quality. (GAD)

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31.Oct.2006

Note: All trunk washes from herd have been consistently negative. Decrease to once yearly trunk washes in July for TB screens. When ELISA for TB becomes commercially available, will likely switch to that method for screening. (GAD)

.....2007...

16.Feb.2007

CC: Keepers swabbed a thick substance out of Albert's right ear this morning during his bath and submitted to clinic. Non-painful, no inflammation noted.
Lab: Cytology reveals only epithelial cells, rod bacteria ++, and debris. No yeast or white cells noted. Does have a strong odor. Advised to watch for signs of inflammation or pain, no treatment at this time. (GAD)

5.Jun.2007

CC: Semen collection for sperm sorting project. Obtained a urine free sample of concentrated semen, though motility and progression was low, and many detached heads present. Sent to Busch Gardens as a non-viable sample. (GAD)