

Clinical Notes - Individual Specimen Report
RIO GRANDE ZOOLOGICAL PARK

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ELEPHAS MAXIMUS (no subsp)           Sex: Female           Acc. #: M98020
Indian elephant                     Age: 42Y Est.        Birth: 1.Jan.1967
Name: IRENE
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.....2006....

5.Jun.2006

Lab: Trunk wash #06-10 sent 4/5/06 cultured negative for Mycobacterium. Smear negative.
 Lab: Trunk wash #06-16 submitted to NMVDS for Mycobacterial culture. (GAD)

7.Jun.2006

Lab: Trunk wash #06-17 submitted to NMVDS for Mycobacterial culture. (GAD)

9.Jun.2006

Lab: Trunk wash #06-18 submitted to NMVDS for Mycobacterial culture. (GAD)

20.Jun.2006

Lab: Trunk wash #06-11 submitted 4/8/06 cultured negative for Mycobacterium. Smear negative. (GAD)

21.Jun.2006

Lab: Trunk wash #06-12 submitted 4/10/06 cultured negative for Mycobacterium. Smear negative. (GAD)

7.Jul.2006

Lab: Trunk wash #06-19 submitted to NMVDS for Mycobacterial culture. (GAD)

11.Jul.2006

Lab: Trunk wash #06-20 submitted to NMVDS for Mycobacterial culture. (GAD)

12.Jul.2006

Lab: Trunk wash #06-21 submitted to NMVDS for Mycobacterial culture. (GAD)

14.Jul.2006

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

19.Jul.2006

Weight: 3393 Kg (7480 Lb)
 Weight = 3396 kg. (GAD)

20.Jul.2006

Lab: Trunk wash #06-13 submitted 5/5/06 cultured negative for Mycobacterium. Smear negative. (GAD)

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21.Jul.2006

Lab: Serum Vitamin E: 1.15 ug/ml. Within acceptable limits.
(GAD)

22.Jul.2006

Lab: Trunk wash #06-14 submitted 5/8/06 cultured negative for
Mycobacterium. Smear negative. (GAD)

23.Jul.2006

Lab: Trunk wash #06-15 submitted 5/10/06 cultured negative for
Mycobacterium. Smear negative. (GAD)

24.Jul.2006

Lab: Trunk wash #06-16 submitted 6/5/06 cultured negative for
Mycobacteria. Smear negative. (GAD)

25.Jul.2006

Lab: Trunk wash #06-17 submitted 6/8/06 cultured negative for
Mycobacteria. Smear negative. (GAD)

7.Aug.2006

Lab: Trunk wash #06-22 submitted to NMVDS for Mycobacterial culture.
(GAD)

8.Aug.2006

Lab: Trunk wash #06-18 submitted 6/9/06 cultured negative for
Mycobacteria. Smear negative. (GAD)

9.Aug.2006

Lab: Trunk wash #06-23 submitted to NMVDS for Mycobacterial culture.
(GAD)

11.Aug.2006

Lab: Trunk wash #06-24 submitted to NMVDS for Mycobacterial culture.
(GAD)

28.Aug.2006

Lab: Trunk wash #06-19 submitted 7/7/06 cultured negative for
Mycobacteria. Smear negative. (GAD)

29.Aug.2006

Lab: Trunk wash #06-20 submitted 7/11/06 cultured negative for
Mycobacteria. Smear negative. (GAD)

30.Aug.2006

Lab: Trunk wash #06-21 submitted 7/12/06 cultured negative for
Mycobacteria. Smear negative. (GAD)

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6.Sep.2006

Lab: Trunk wash #06-25 submitted to NMVDS for Mycobacterial culture.
(GAD)

8.Sep.2006

Lab: Trunk wash #06-26 submitted to NMVDS for Mycobacterial culture.
(GAD)

11.Sep.2006

Lab: Trunk wash #06-27 submitted to NMVDS for Mycobacterial culture.
(GAD)

6.Oct.2006

Lab: Trunk wash #06-28 submitted to NMVDS for Mycobacterial culture.
(GAD)

9.Oct.2006

Lab: Trunk wash #06-29 submitted to NMVDS for Mycobacterial culture.
(GAD)

11.Oct.2006

Lab: Trunk wash #06-30 submitted to NMVDS for Mycobacterial culture.
(GAD)

22.Oct.2006

Lab: Trunk wash #06-22 submitted 8/7/06 cultured negative for Mycobacteria. Smear negative. (GAD)

23.Oct.2006

Lab: Trunk wash #06-23 submitted 8/9/06 cultured negative for Mycobacteria. Smear negative. (GAD)

24.Oct.2006

Lab: Trunk wash #06-24 submitted 8/11/06 cultured negative for Mycobacteria. Smear negative. (GAD)

30.Oct.2006

Lab: Trunk wash #06-25 submitted 9/6/06 cultured negative for Mycobacteria. Smear negative. (GAD)

31.Oct.2006

Note: In light of recent research and consistently negative trunk washes, will decrease to quarterly trunk wash TB screens for Irene. When ELISA for TB becomes commercially available, will likely switch to that method for screening. (GAD)

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Sex: Female
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Acc. #: M98020
Birth: 1.Jan.1967

1.Nov.2006

Lab: Trunk wash #06-26 submitted 9/8/06 cultured negative for Mycobacteria. Smear negative. (GAD)

2.Nov.2006

Lab: Trunk wash #06-27 submitted 9/11/06 cultured negative for Mycobacteria. Smear negative. (GAD)

29.Nov.2006

CC: Had a blowout on the LF foot, nail 4, at the cuticle a few weeks ago, now TT says the nail has a crack.
PE: The crack extends the full length of the nail from sole to cuticle, the blowout is adjacent to the crack.
Advised to trim it out and shorten nail to take pressure off the nail and allow better healing. (MJR)

30.Nov.2006

Lab: Trunk wash #06-28 submitted 10/6/06 cultured negative for Mycobacteria. Smear negative. (GAD)

1.Dec.2006

Lab: Trunk wash #06-29 submitted 10/9/06 cultured negative for Mycobacterium. Smear negative. (GAD)

2.Dec.2006

Lab: Trunk wash #06-30 submitted 10/11/06 cultured negative for Mycobacterium. Smear negative. (GAD)

.....2007....

3.Jan.2007

Lab: Trunk wash #07-01 submitted to NMVDS for Mycobacterial culture. (GAD)

5.Jan.2007

Lab: Trunk wash #07-02 submitted to NMVDS for Mycobacterial culture. (GAD)

8.Jan.2007

Lab: Trunk wash #07-03 submitted to NMVDS for Mycobacterial culture. (GAD)

16.Feb.2007

CC: Keepers submitted one of the "bumps" they are seeing on Irene's ears.

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16.Feb.2007

Lab: Cytology on dry crust contains only protienaceous debris.
Note: These raised, crusty areas have been occurring only on the non-pigmented areas of the inside surface of the ears, but are progressing into the non-pigmented areas and are prominent on the dorsal edges now. Picking off the exudate leaves a reddened area. Keepers exfoliate the areas using Alpha-Keri and apply sunscreen as well during baths. (GAD)

24.Feb.2007

Lab: Trunk wash #07-01 overgrew possible Nocardia. Smear negative. (GAD)

25.Feb.2007

Lab: Trunk wash #07-02 submitted 1/5/07 cultured negative for Mycobacteria. Smear negative. (GAD)

26.Feb.2007

Lab: Trunk wash #07-03 submitted 1/8/07 cultured negative for Mycobacteria. Smear negative. (GAD)

22.Mar.2007

CC: Keepers submitted two of the ear tags they have been seeing. Placed in formalin and sent to NMVDS for histopath. (GAD)

28.Mar.2007

Results of histopath on ear tags:
HISTORY -This elephant has a history of multiple raised areas on the ears (especially unpigmented areas); eventually slough off leaving a slightly reddened area that heals up.
SPECIMEN DESCRIPTION -Small, discoid, 0.8 cm diameter, yellow-tan soft tissue mass.
HISTOPATHOLOGY -The tissue sections have no normal anatomical boundaries and no surrounding normal tissue. There is no viable tissue in the specimen. There is large area of coagulative necrosis.
COMMENTS -In this case, the diagnosis can not be reached. Resubmission of new specimen is recommended.
DIAGNOSIS: 1: NO VISIBLE LESIONS (GAD)

9.Apr.2007

Lab: Trunk wash #07-04 submitted to NMVDS for Mycobacterial culture. (GAD)

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11.Apr.2007

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

13.Apr.2007

Lab: Trunk wash #07-06 submitted to NMVDS for Mycobacterial culture.
(GAD)

28.May.2007

Lab: Trunk wash #07-04 sent 4/9/07 cultured negative for
Mycobacteria. Smear negative. (GAD)

29.May.2007

Lab: Trunk wash #07-05 sent 4/11/07 cultured negative for
Mycobacteria. Smear negative. (GAD)

30.May.2007

Lab: Trunk wash #07-06 sent 4/13/07 cultured negative for
Mycobacteria. Smear negative. (GAD)

6.Jul.2007

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

10.Jul.2007

Lab: Trunk wash #07-08 submitted to NMVDS for Mycobacterial culture.
(GAD)

11.Jul.2007

Lab: Trunk wash #07-09 submitted to NMVDS for Mycobacterial culture.
(GAD)

17.Jul.2007

Lab: Sent 4.0 ml serum collected 7/5/07 to Dr. Michelle Miller at
Disney for annual serum banking project. (GAD)

22.Aug.2007

Lab: Trunk wash #07-07 submitted 7/6/07 cultured negative for
Mycobacterium. Smear negative. (GAD)

23.Aug.2007

Lab: Trunk wash #07-08 submitted 7/10/07 cultured negative for
Mycobacterium. Smear negative. (GAD)

24.Aug.2007

Lab: Trunk wash #07-09 submitted 7/11/07 cultured negative for
Mycobacterium. Smear negative. (GAD)

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8.Oct.2007

Lab: Trunk wash #07-10 submitted to NMVDS for Mycobacterial culture.
(GAD)

11.Oct.2007

Lab: Trunk wash #07-11 submitted to NMVDS for Mycobacterial culture.
(GAD)

12.Oct.2007

Lab: Trunk wash #07-12 submitted to NMVDS for Mycobacterial culture.
(GAD)

9.Nov.2007

Lab: Routine fecal float negative. (GAD)

27.Nov.2007

Lab: Trunk wash #07-10 submitted 10/08/07 cultured negative for
Mycobacteria. Smear negative. (GAD)

28.Nov.2007

Lab: Trunk wash #07-11 submitted 10/11/07 cultured negative for
Mycobacteria. Smear negative. (GAD)

30.Nov.2007

Lab: Trunk wash #07-12 submitted 10/12/07 cultured negative for
Mycobacteria. Smear negative. (GAD)

.....2008....

4.Jan.2008

Lab: Trunk wash #08-01 submitted to NMVDS for Mycobacterial culture.
(GAD)

7.Jan.2008

Lab: Trunk wash #08-02 submitted to NMVDS for Mycobacterial culture.
(GAD)

9.Jan.2008

Lab: Trunk wash #08-03 submitted to NMVDS for Mycobacterial culture.
(GAD)

11.Jan.2008

Note: Review of Emcelle supplementation: Irene is currently on 8 cc
once daily. (GAD)

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.....2008...

18.Feb.2008

Lab: Trunk wash #08-01 submitted 1/4/08 culture negative for Mycobacterium. Smear negative. (GAD)

19.Feb.2008

Lab: Trunk wash #08-02 submitted 1/7/08 cultured negative for Mycobacterium. Smear negative. (GAD)

20.Feb.2008

Lab: Trunk wash #08-03 submitted 1/9/08 cultured negative for Mycobacterium. Smear negative. (GAD)

1.Mar.2008

CC: Reduce frequency of trunk washes on Irene to every six months. (GAD)

20.Mar.2008

Lab: Sent serum sample to NMVDS with request to submit to MSU for Vitamin E level. (GAD)

21.Mar.2008

Lab: Results of Vitamin E sent 3/20/08 - 0.92 ug/ml. (GAD)



Taxonomic name: *Elephas maximus*

Family: Elephantidae

Common name: Indian elephant

Order: Proboscidea

Current information

Sex:	Female	Sire ID:	UNK at Unknown Location
Birth type:	Unknown	Dam ID:	UNK at Unknown Location
Birth Location:	Unknown Location	Rearing:	Unknown
Birthdate-Age:	~ 1967 - 41Y,5M,24D +/-1 Yr.	Hybrid:	Not a hybrid
Time since last Acq:	9Y,10M,13D as of report end date		

<u>Date in</u>	<u>Acquisition - Vendor/local Id</u>	<u>Holder</u>	<u>Disposition - Recipient/local Id</u>	<u>Date out</u>
13 Aug 1998	Purchase from ALAN HILL / UNK	RIO GRAND / M98020		

<u>Date</u>	<u>Type</u>	<u>Value</u>	<u>Units</u>	<u>Comments</u>
2 Sep 2007	live animal weight	7497	pound	