

ELEPHAS MAXIMUS (no subsp)  
INDIAN ELEPHANT (E,I)  
Name: Clara

Sex: Female  
Age: 53Y Est.

Acc. #: 055667  
Birth: 14.Apr.1953

**Clinical Note:**

4.Aug.2005

Problem: crack - left rear foot (Confirmed)  
Trunk wash for Mycobacterium culture. Day 2 of 3. (MJA)

**Clinical Note:**

5.Aug.2005

Problem: crack - left rear foot (Confirmed)  
Proc: Trunk wash. 60 ml sterile saline flushed into trunk, animal blew saline back into a sterile plastic bag. Fluid transferred to a sterile vial. To be submitted for Mycobacterial culture. Day 3 of 3.  
Note: oral phenylbutazone dose is currently 8 g. Keeper and ZM report that animal is doing very well on medication although they can appreciate a slight loss in mobility on lower dose. (MW)

**Clinical Note:**

6.Aug.2005

Problem: crack - left rear foot (Confirmed)  
O: CBC results - hct 27.4%, WBC 9,600 28% neuts, 23% lymphs, 49% monos.  
Chem panel results - BUN 20.7 mg/dl, creat 1.5 mg/dl, phos 11.1 mg/dl  
A: BUN and phosphorus results are consistent with renal compromise. Looked back over BUN and phos values for the past five years and both started to rise 18 May 2005, which is about two weeks after Clara was started on phenylbutazone to manage chronic arthritis. Sent an email to curator and ZM notifying them of changes and possible association with NSAID administration. Said that vets will investigate other NSAIDs used in elephants to see if there is one that is effective with less potential for renal compromise. Also asked for vets and animal managers to meet and discuss risks of continuing long-term treatment with NSAIDs vs. welfare issue of allowing animal to live with chronic pain. (MW)

**Clinical Note:**

6.Sep.2005

Problem: crack - left rear foot (Confirmed)  
Rx: PHENYLBUTAZONE 12000 mg PO SID until further notice (note: ZM and curator have been manipulating dose with vet permission between 800 and 12000 mg depending on how animal is doing in an attempt to decrease overall NSAID dose). (MW)

Medical History Report - Individual Specimen  
ST. LOUIS ZOOLOGICAL PARK

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Acc. #: 055667  
Birth: 14.Apr.1953

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**Purpose:** Give (12000mg) 12 tablets orally, once a day, until further notice

**Prescription Data >>**

Starting date: 21.Sep.2005

Drug: PHENYLBUTAZONE 12000 mg PO SID until further notice

Formulation: 1000.0 mg tablet

Prescribed by: REJ (21.Sep.2005)

Filled by: PM (21.Sep.2005)

Treatment weight: 2536 kg

**Comments >>**

Give (12000mg) 12 tablets orally, once a day, until further notice.

**Clinical Note:**

22.Sep.2005

Problem: crack - left rear foot (Confirmed)

O: CBC results - hct 33.1%, WBC 11,100 27% neuts, 2% bands, 28%  
lymphs, 40% monos, 3% eos.

Chem panel results - BUN 16.1 mg/dl, creat 1.3 mg/dl, Ca 11.9  
mg/dl, phos 11.8 mg/dl.

A: Normal CBC values for this animal, no significant changes in chem  
panel. ZM has reported that animal's appetite has not been normal  
lately (decreased). R/O gastritis, enteritis. No evidence at this  
time of renal or hepatic compromise. (MW)

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7.Oct.2005

**Clinical Note:**

Problem: crack - left rear foot (Confirmed)  
O: CBC results - hct 36.3%, WBC 12,400 16% neuts, 27% lymphs, 55%  
monos, 2% eos.

Chem panel results - phos 13.8 mg/dl  
A: Notable improvement in hematocrit since August (27% in August).  
R/O improvement in overall health status, bleeding ulcers induced by  
NSAIDs that have healed now that meds have been withdrawn. BUN has  
decreased from 20 mg/dl in August and may also reflect a response to  
discontinuing NSAIDs, but phosphorus has increased which suggests  
there may still be renal compromise.

NOTE: per REJ phenylbutazone was discontinued approximately 14 days  
ago. ZM notes that animal is doing well - probably slightly less  
mobile than when on medications but better than when meds were  
initially started. Told ZM that as cold weather comes in we could try  
every other day or every third day NSAID therapy in an attempt to  
provide comfort with less systemic impact. (MW)

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**Purpose:** For analgesia from suspected arthritis.

**Prescription Data >>**

Starting date: 2.Feb.2006

Drug: PHENYLBUTAZONE 8000 mg PO SID for 30 days  
Formulation: 1000.0 mg tablet  
Prescribed by: (2.Feb.2006)

Filled by: (2.Feb.2006)  
Treatment weight: 2577 kg

**Clinical Note:**

3.Feb.2006

Problem: crack - left rear foot (Confirmed)

O: CBC results - hct 29.9%, WBC 13,500 21% neuts, 28% lymphs, 49%  
monos, 2% eos. Fibrinogen 750 mg/dl.

Chem panel results - within normal limits.

A: Hematocrit lower than recent values. This may be a one-time  
variation or indicate a decrease in red cell production.

P: Continue to monitor values regularly. (MW)

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