EXHIBIT 4

Clinical Notes for Ruth February 5-14, 2014 pp.9-13

Clinical Notes for Emily
January 10, 2017
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/ISIS/MedARKS/5.54.f

Medical History Report - Summary for Individual Specimen BUTTONWOOD PARK ZOO

Sex: Female Acc. #: 5
Age: 55Y 3M 28D Birth: 29.0ct.1958 ELEPHAS MAXIMUS (no subsp) Asiatic elephant Name: RUTH and de proposition de la compación de la compa 15.Jan Purpose/Problem: post hypothermia inflammation Rx: DIMETHYL SULFOXIDE ml topically SID for 3 days. Clinical note recorded. (MAS) Clinical note recorded. (MS) 19. Jan Clinical note recorded. (LAS)
21. Jan Clinical note recorded. (MAS)
23. Jan Clinical note recorded. (LAS) 27. Jan Purpose/Problem: topical antibiotic Rx: TRIPLE ANTIBIOTIC OINTMENT topically BID for 7 days. (1/4 inch) Clinical note recorded. (MAS) Clinical note recorded. (MS) 28. Jan Clinical note recorded. (LAS) 30. Jan Clinical note recorded. (MAS) 31.Jan Purpose/Problem: arthritis Rx: GLUCOSAMINE 64gm PO BID until further notice. Clinical note recorded. (MS) 3, Feb Purpose/Problem topical antibiotic Rx: TRIPLE ANTIBIOTIC OINTMENT: topically BID for 4 days. (1/4 inch) Clinical note recorded. (MS)
5. Feb Clinical note recorded. (MAS) 6 Feb Purpose/Problem: antibiotic ***** Wear Gloves****** Rx: SSD CREAM % topically SID for 7 days. Clinical note recorded. (MAS) Clinical note recorded. (MS) 7. Feb Clinical note recorded. (MAS) Clinical note recorded. (MS) 10.Feb Purpose/Problem: antibiotic Rx: ENROFLOXACIN 6.62gm PO SID for 6 days. (2 mg/kg) Clinical note recorded. (MAS) 11. Feb Clinical note recorded. (MAS) 14. Feb Purpose/Problem: antibiotic plus Rx: SSD CREAM % topically SID until further notice. Clinical note recorded. (MAS) Clinical note recorded. (MS) 15. Feb Purpose/Problem: antibiotic Rx: ENROFLOXACIN mg PO SID until further notice. (2 mg/kg) Clinical note recorded. (MAS) Clinical note recorded. (MS)
16.Feb Clinical note recorded. (MAS) 17. Feb Clinical note recorded. (MAS) 18. Feb Clinical note recorded. (MAS) 19. Feb Clinical note recorded. (MAS) 24. Feb Clinical note recorded. (MAS)

Printed on: 25.Feb.2014

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ELEPHAS MAXIMUS (no subsp)

Sex: Female Acc. #: 5
Age: 55Y 3M 28D Birth: 29.Oct.1958 Asiatic elephant

Name: RUTH

Clinical Note:

5.Feb.2014

2/5/14: Annual Trunk Wash #1 for TB culture performed this morning. Recheck: Ears have sloughed more dead skin and tissue underneath looks healthy. Left ear, ventral aspect is dry and curled upward. Moist area just above that appears less active today. Ventral edema appears reduced in cranial aspect. Vulva appears much less pendulous today. Two areas which previously erupted and were cultured continue to produce serous fluid. Areas behind knees which previously erupted and were cultured are no longer producing any fluid or exudate and do not appear swollen at this time. Tail where previously swollen and cultured is also no longer producing any fluid or exudate and is not swollen at this time. Tip of tail is getting dry and dark in color.

Previous cultures of vulvar fluid reveal Citrobacter freundii, Alcaligenes faecalis, resistant to SMZ and sensitive to enrofloxacin, as well as Brevundimonas (pseudomonas) diminuta, resistant to most antibiotics on panel, but sensitive to enrofloxacin.

Previous cultures of fluid from caudal aspect of knee reveal: Hemoylytic staphylococcus, Beta-hemolytic streptococcus and 1 gram negative rod, all sensitive to enrofloxacin and sulfa.

Previous cultures of fluid from tail reveal: Serratia marcesens, Klebsiella oxytoca, 2 bio-types of Staphylococcus aureus, all sensitive to enrofloxacin. In addition a Beta-hemolytic streptococcus was also cultured which is sensitive to Sulfa.

CBC/Chem/UA: NSF.

Vit E/Selenium pending with Cornell.

A: Tissue on distal aspect of tail is presumably devitalized tissue and may slough.

Plan:

- Continue to monitor ear, tails, and vulva closely. 1.)
- 2.) Apply Baytril(100mg/ml)/SSD(1%)/DMSO at a ratio 1ml Baytril/10mlSSD/1ml DMSO to lesions on vulva, tail and knee SID X 7 days. (MAS)

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ELEPHAS MAXIMUS (no subsp)

Sex: Female Acc. #: 5
Age: 55Y 3M 28D Birth: 29.Oct.1958 Asiatic elephant

Name: RUTH

Clinical Note: 6.Feb.2014

2/6/14: Annual Trunk Wash #2 for TB culture performed this morning. Skin on distal aspect of tail is sloughing in large pieces. Exposed tissue is dark red in color. No evidence of infection at this time. Keepers expressed large amount of malodorous exudate from tracts around vulva and flushed and applied SSD/Baytril/DMSO to tracts, tail, and behind knee in PM.

A: It remains to be seen whether this tissue will completely devitalize and if surgical amputation of tip of tail may be necessary. (MAS)

Clinical Note:

6.Feb.2014

Rx: SSD CREAM % topically SID for 7 days. (27758) (MS)

Purpose: antibiotic *****Wear Gloves*******

Prescription Data >>

Drug: SSD CREAM % topically SID for 7 days

Starting date: 6.Feb.2014

Formulation: 10.0 mg/gm cream

Prescribed by: MS (6.Feb.2014)

Filled by: LAS (6.Feb.2014)

Treatment weight: 3311 kg

Comments >>

Topical treatment: Apply to to vulva, tail & knee SSD, Baytril & DMSO Cream

Daily Treatment Notes >>

Printed on: 25.Feb.2014

| Date | Time | Success | Ву | Comments | |
|-------------|-------|---------|------|----------|---|
| 6.Feb.2014 | 16:00 | 100% | SAM | | |
| 7.Feb.2014 | 16:00 | 100% | SAM | | |
| 8.Feb.2014 | 09:00 | 100% | SAM | | • |
| 9.Feb.2014 | 09:00 | 100% | KVS | | |
| 10.Feb.2014 | 16:00 | 100% | KVS | | |
| 11.Feb.2014 | 09:00 | 100% | SAM | • | |
| 12.Feb.2014 | 09:00 | 100% | SAM | | |
| 13.Feb.2014 | 09:00 | 100% | SAM | | |
| 13.160.2014 | 09.00 | 1002 | Sent | | |

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ELEPHAS MAXIMUS (no subsp)

Sex: Female Acc. #: 5

Asiatic elephant

Age: 55Y 3M 28D Birth: 29.Oct.1958

Name: RUTH

Clinical Note:

7.Feb.2014

2/7/14: Annual Trunk Wash #3 for TB culture performed this morning. Skin on distal aspect of tail has sloughed. Exposed tissue is dark red in color. Tail appears swollen above the slough. Examined draining tracts opened up around vulva. One on right side is ~6cm in length is open at the top and bottom. Left side is open ventrally and appears to run in an arc in the area where a patch of skin is ready to slough. Exudate is present but was not particularly malodorous this morning.

Plan:

1.) Flush draining tracts with dilute chlorahex and then pack with SSD/Baytril/DMSO using an 18Fr red catheter. Then apply cream to skin around the vulva, as well as on tail and behind left knee.

2.) Start Baytril (136mg/tab), 2mg/kg: 6727mg, 50tablets PO SID X 7 days. (MAS)

Clinical Note:

7.Feb.2014

Rx: ENROFLOXACIN 6.62 gm PO SID for 7 days. (RM)

Clinical Note:

10.Feb.201

2/10/14: Keepers report that ventral draining tracts continue to produce purulent material. Appetite is good. Still being kept in the barn in temps below 40F to prevent any further damage to exposed tissue on ears and tail. Received Baytril delivery, however, it is not enteric coated. Ruth did accept the Baytril this afternoon in cored apples.

Vit E/Selenium with cornell are WNL.

1.) Continue to flush draining tracts with dilute chlorahex and then pack with SSD/Baytril/DMSO using an 18Fr red catheter. Then apply cream to skin around the vulva, as well as on tail and behind left knee. (MAS)

Purpose: antibiotic

Prescription Data >>

Starting date: 10.Feb.2014

Drug: ENROFLOXACIN 6.62 gm PO SID for 6 days

Formulation: 100.00 mg/ml tablet

Prescribed by: MS (7.Feb.2014) Filled by: LAS (7.Feb.2014) Treatment weight: 3364 kg Drug dosage: 2 mg/kg

Comments >>

Printed on: 25.Feb.2014

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Medical History Report - Individual Specimen BUTTONWOOD PARK ZOO

ELEPHAS MAXIMUS (no subsp)

Asiatic elephant

Sex: Female Acc. #: 5
Age: 55Y 3M 28D Birth: 29.Oct.1958

Name: RUTH

Prescription Record (continued):

Tradename of drug used is BAYTRIL 136.

Originally prescribed for 7 days. Discontinued on 12.Feb.2014 after 3 days. ENROFLOXACIN = ENROFLOXACIN + STREPTOMYCIN SULFATE

Daily Treatment Notes >>

| Date | Time | Success | Ву | Comments |
|-------------|-------|---------|----|-------------------------|
| 10.Feb.2014 | 12:00 | 100% | SC | |
| 11.Feb.2014 | : | 0 % | SC | kk attempted many times |
| | | | | |

/ISIS/MedARKS/5.54.f Printed on: 25.Feb.2014

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ELEPHAS MAXIMUS (no subsp)

Sex: Female Sex: Female Acc. #: 5
Age: 55Y 3M 28D Birth: 29.Oct.1958 Acc. #: 5

Asiatic elephant Name: RUTH

Clinical Note:

11.Feb.201

2/11/14: Recheck skin and tissue on ventrum: Pitting edema seen cranial to vulva appears reduced in size. Tracts around vulva are producing a white fibrin material which is not malodorous and appears similar to the material that filled in defects on cars. A large area of skin looks like it will eventually slough off. Approximately 5cm of distal aspect of tail appears dead. It is hard and dry at this time. Soft tissue above this region remains swollen.

Ruth refused the Baytril tabs today presumably because there are not enteric coated and she could smell or taste the medication. We have some enteric coated tablets in-house, however, not enough to provide a single dose. Called all local veterinary hospitals as well as large animal hospitals and Roger Williams Zoo for enteric coated tabs. No one had even a single full dose.

Plan:

- 1.) Staff instructed to monitor tail for evidence that the dead area is moving proximally as well as monitor size and color of swollen
- 2.) Staff instructed to try one enteric coated tab in-house to see if she will take it and if so, order 68mg enteric coated tablets.
- 3.) Instructed keepers to continue flushing and packing tracts as long as they remain open, but not to force them to stay open if they are healing.
- 4.) Reassess next week. (MAS)

Clinical Note:

14.Feb.2014

2/14/14: Received a call from Shara today regarding swelling on tail and plan. Explained that plan was to have Ruth on Baytril and monitor tail and that I had discussed with staff the possibility of an amputation once it is determined exactly where to perform it and once she is receiving the Baytril as prescribed. Discussed inquiring with Dr. Ryer as he has performed a partial tail amputation on Ruth in the past and has a previous relationship with her as one of her previous caretakers. Shara advised that Baytril was still not here so Ruth still has not received Baytril as prescribed. (MAS)

Printed on: 25.Feb.2014 /ISIS/MedARKS/5.54.f

Case 1:17-cv-11809-WGY Document 17-5, Filed 12/12/17 Page 8 of In Old Bate SPECIES Feb 23, 2017 360 Report Start Date Dec 31, 2018

| Animal Type | GAN | Preferred ID | Taxonomy | Sox | Birth Date |
|-------------|---------|--------------|--------------------------------|--------|-------------------------------------|
| Individual | 4418908 | 4 | Elephas maximus/Asian elephant | Female | ~ from Jan 01, 1964 to Dec 31, 1984 |

| Celendar Items | Celendar Ilems | | | | | |
|----------------|----------------|-------------|------|--|--|--|
| Date | Title | Assigned To | Done | | | |
| ~ | ~ | ~ | ~ | | | |

| Date | Title | Assigned To | Done | | | |
|------|-------|-------------|------|--|--|--|
| ~ | ~ | ~ | ~ | | | |
| | | | | | | |

Sample II in the same of the s -Sample Detail-Collection Date/Time Feb 01, 2017 00:00 Sample Type Serum Anatomical Source/Tissue **Collection Method** Phlebotomy Collected By Shelley Avila-Martins Reason Exclude from reference intervals No

Initial Holding Conditions

Initial Holding Temp. Initial Holding Duration ~ Sample Quality Color Color Intensity Clarity **Additional Characteristics** No Degraded

Pre-Sampling Conditions undetermined **Fasting Duration** Physical **Restraint Type** Undetermined Activity

Sample History

| Date | Sample ID / Sample GSN | Status | Laboratory / Test Order / Test Results |
|--------------|------------------------|-----------|--|
| Feb 01, 2017 | ~/S-PGW17-003286 | Available | ~ ~ ~ |

Notes

-Calendar Hems Done Title Assigned To Date

pan 31 2017

Date

Time

Note Author

Clinical note

Jan 31, 2017

09:45

Marcy Cocchiola

Significant

Private

Active Problems

No

Note Subtype: General

Notes/Comments

Laser therapy 3 joules to left ankle

Animal Care Staff Medical Summary

| 1 | Celondar lisms | | | | |
|----|----------------|-------|-------------|------|--|
| II | Date | Title | Assigned To | Done | |
| II | ~ | ~ | ~ | ~ | |

Clinical hole **Note Author** Date Time 00:00 Whitney Greene Jan 31, 2017 **Active Problems** Significant Private No Subjective Animal presented for first of three trunk washes Objective Animal is BAR and eager to participate

-Document Report Start Date eport End Date species Medical History Report for All Record Types

Animai Type GAN Taxonomy. Birth Date Sox Individual 4418908 Elephas maximus/Aslan elephant ~ from Jan 01, 1984 to Dec 31, 1984 Female

| Calendar Items | 21.2 | | THE WAS PARTE AND A DESCRIPTION OF THE PARTE AND A DESCRIPTION | | · |
|----------------|-------|-------------|--|----------|---|
| Date | Title | Assigned To | | Done | 7 |
| ~ | | ~ | The state of the s | ~ | |

Date Requested Jan 10, 2017 Color Requested By Whitney Greene Color Intensity Laboratory **IDEXXUSA** Clarity **Analysis Start Date** Jan 13, 2017 Consistency **Analysis Equipment Additional Characteristics** Insufficient Sample No Degraded No

-Notes/Comments

Dec 31, 2018

Aeroblo and Anaeroblo culture results: Hemolyllo Staphylococcus sp 3+ (not S aureus) NOT methicillin resistant

Test Requests & amp; Test Results

| Test | Primary Result | Low RI | High RI | Evaluation | Excld. from RI | Reviewed |
|-------------------|----------------|------------|---------|------------|----------------|----------|
| Bacterial culture | Taxon Result | ~ · | ~ | ~ | ~ | ~ · |

-Sample Detail (GSN: S-PGW17-003284)

Collection Date/Time

Additives/Preservatives

Jan 09, 2017 00:00

Collection Method

Whitney Greene

Sample Type

Cell culture

Collected By

Anatomical Source/Tissue Skin

Reason Exclude from reference intervals

No

Date Time Note Author Jan 09, 2017 00:00 Whitney Greene Significant Private **Active Problems** No No

Subjective

Animal presented after keepers found two more skin lesions with white exudate

Objective

Animal is BAR, she has been eating, drinking and acting well per keepers. There are two additional lesions found this morning during her wash. One lesion is on the left side of her face just ventral and lateral to the eye. There is white-yellow purulent exudate with a foul smell and dried debris as well. The lesion is about 2.0 x 1.0 cm with granulation tissue along the perimeter. Another lesion is found on the left body wall, about 4.0 🛪 3.5 cm with purulent exudate but no odor assolcation.

Both lesions were flushed with saline and debrided. Dilute chlorohexidine was used to flush both new lesions and then SSD was applied topically

A culture was collected from the lesion on the left side of the face and sent to IDEXX for aerobic and enaerobic culture and sensitivity --> pending

Assessment

Ingrown hair/other foreign body vs infection (bacterial vs fungal) vs primary dermatologic

- 1. Clean all lesions using saline, dilute chlorohexidine, and topical SSD BID x seven days
- 2. Bath to be given with dilute Pharmaseb shampoo and thorough scrub down tomorrow
- 3. Consider oil application following bath 4. Continue to monitor daily

Written by WG

Animal Care Staff Medical Summary

Case 1:17-cv-11809-WGY Document 17-5 Filed 12/12/17 Dec 31, 2016

| Animal Type | GAN | Preferred ID | Taxonomy | Sex | Birth Date |
|-------------|---------|--------------|--------------------------------|--------|-------------------------------------|
| Individual | 4418908 | 4 | Elephae maximus/Asian elephant | Female | ~ from Jan 01, 1964 to Dec 31, 1964 |

| -Calendar Hems | | | | | |
|----------------|-------|-------------|------|--|--|
| Date | Title | Assigned To | Done | | |
| ~ | ~ | ~ | ~ | | |

Degraded

No

| | Caralloat Harris | | | | |
|----|------------------|-------|-------------|------|--|
| | Date | Title | Assigned To | Done | |
| | ~ | ~ | ~ | ~ | |
| 11 | | | | | |

Collection Date/Time

Jan 09, 2017 00:00

Sample Type

Cell culture

Anatomical Source/Tissue

Skin

Collected By

Whitney Greene

Reason

Exclude from reference intervals

No

| Sample | His | lory |
|--------|-----|------|
|--------|-----|------|

| Date Sample ID / Sample GSN Jan 09, 2017 ~/S-PGW17-003284 | | Status | Laboratory / Test Order / Test Results | |
|--|--------------|------------------|--|--------------|
| l | Jan 09, 2017 | ~/S-PGW17-003284 | Available | IDEXXUSA/1/1 |

Notes

| 1 | Calculati Rellie | | | |
|---|------------------|-------|-------------|------|
| I | Date | Title | Assigned To | Done |
| l | ~ | ~ | 2 | ~ |

Date

Time

Note Author

Jan 08, 2017

00:00

Whitney Greene

Significant

Private No

Active Problems

No

Subjective

Animal presented due to a facial lesion noted by keepers

Objective

There is a small circular lesion (2.0 x 3.0 cm) lesion on the right side of the animals face just underneath the eye in the middle of a fold of skin. There is a milld amount of yellowwhile purulent exudate and a small scab comes off during palpation and has a foul odor to it. The lesion was flushed with dilute chlorohexidine using a curved-tip syringe and some additional purulent exudate was removed (mostly dried). Underneath the dried material the skin is reddish pink with a short tract extending upward. There is granulation tissue around the entire perimeter of the lesion. The area and tract was flushed out thoroughly, debrided, and topical SSD was applied to and around the lesion.

Assessment

Abscess/foreign body vs trauma vs. dermatoligcal

- 1. Clean with dilute chlorohexidine using a curved-tip syringe and topically apply SSD BID for seven days
- 2. Dally checks to monitor healing or progressive signs

Written by WG

Animal Care Staff Medical Summary

| 1 | Date Title Assigned To Done | | | |
|---|-----------------------------|---|---|---|
| | ~ | ~ | ~ | ~ |

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