

DISCHARGE ORDERS for "Bear"
DATE OF DISCHARGE: 3/2/19

SEEN BY THE CRITICAL CARE DEPARTMENT:
Allison Biddick, DVM, MS, DACVECC
Jesseca Bullock, DVM, DACVECC
Aubrey Hnatusko, DVM

Initially presented on: Saturday, March 2, 2019

REFERRING VETERINARIAN: Dr. Emily Redden, D.V.M.
REFERRING CLINIC: Council Veterinary Hospital
REFERRING CLINIC FAX: (405) 782-0577
OWNER: Lora Mullenax
PHONE: (405) 872-7874
PATIENT: Bear 344007

Presenting Complaint:

Bear presented to the BluePearl Emergency service on 3/2/2019 for further evaluation and therapy of vomiting - historical DM.

Problem list and Assessment:

- Historical diabetes mellitus
- Vomiting
- Diarrhea
- Decreased appetite this morning

Diagnostics:

Offered diagnostics:

- CBC/Chem +lytes - *elected*
- AUS - *declined*
- owner requested SNAP fPL - advised spec fPL with Dr. Redden on Monday

- Blood Glucose
3pm (presentation): 102mg/dL
- CBC/Chem + lytes: *pending (technical difficulty)*

Treatment:

Offered therapy:

- hospitalization for monitoring - *declined*
- outpatient therapy, monitoring at home, recheck with Dr. Redden on Monday - *elected*

- LRS 100mL SC
- ondansetron 3.6mg SC
- Rx ondansetron PO, mirtazapine PO TGH

Diagnosis:

1. Historical diabetes mellitus

Vomiting, decreased appetite; consider primary gastrointestinal cause (infection, inflammation, dietary indiscretion, neoplasia, toxin, foreign body/obstruction) vs. non-gastrointestinal cause (pancreatitis, secondary to other organ dysfunction- liver, kidney, neoplasia, other) - *further evaluation warranted*

Summary:

Based on history and physical exam findings, the above diagnostics were offered, bloodwork was elected. Outpatient therapy was preferred if bloodwork was unremarkable.

Medications:

| ITEM DESCRIPTION | QUANTITY | DIRECTIONS |
|--|----------|--|
| Mirtazapine 7.5 mg Tablet | 3.00 | Give 1/4 tablet (1.8mg) by mouth every other day as needed. - Appetite stimulant - |
| Ondansetron (Zofran) 8 mg Tablet | 7.00 | Give 1/2 tablet (4mg) by mouth every 12 hours (twice daily) as needed. - Antinausea - |
| Give 1 tablet by mouth every 24 hours (once daily) as needed. - Antivomiting - | 1.00 | Maropitant (Cerenia)16mg Tab(4ct)Pack BV |

Please return to your family veterinarian for refills unless directed otherwise.

****If Bear does not eat a full meal this evening he should only receive half of his normal insulin dose. If he does not eat at all or continues to vomit, please do not administer insulin and bring him back to BluePearl for evaluation.**

Diet: Normal diet and feeding schedule at home.

Recheck:

Please schedule a medical progress evaluation with Dr. Redden on Monday, March 4.
Please return to BluePearl this weekend if further concerns arise.

Discharge Orders:

1. Give the medications as prescribed.
2. If your pet had blood drawn or an IV catheter placed, a bandage may be on one or more of their legs that, unless advised otherwise, should be removed within 1 hour of discharge.
3. Please remember that diseases can change over time. If you feel that your pet's condition is changing for the worse in any way at any time, contact a veterinarian immediately.
4. Bear was given fluids under the skin today. He will have a small fluid bump between his shoulder blades that may migrate to one side or the other but should absorb over the next 4-6 hours.
5. Monitor closely for the following:
 - not wanting to eat
 - vomiting or diarrhea
 - lethargy
 - weakness
 - pale gums
 - unexplained bruising or swelling
 - difficulty breathing

If there are any questions or concerns, please do not hesitate to call.



Aubrey L. Hnatusko, DVM

Critical Care Service

Doctors

Allison Biddick, DVM, MS, DACVECC
Jesse Bullock, DVM, DACVECC
Aubrey Hnatusko, DVM

Nurses

Julie Bridges, RVT
Jarett Floyd, RVT
Erica Julian, RVT
Jill Weir, RVT

ADDENDUM on 3/3/2019 at 12:52:34 from Aubrey L. Hnatusko, DVM
Chemistry + Iytes:

| Date/Time | Test | Result | Reference Range |
|-----------|------------|-----------------|-----------------|
| 3/2/2019 | GLUCOSE | = 117 mg/dl | 71 - 159 |
| 3/2/2019 | ALB | = 3.2 g/dL | 2.3 - 3.9 |
| 3/2/2019 | ALKP | = 53 U/L | 14 - 111 |
| 3/2/2019 | ALT | = 80 U/L | 12 - 130 |
| 3/2/2019 | AMYL | = 1212 U/L | 500 - 1500 |
| 3/2/2019 | BUN/UREA | = 24 mg/dl | 16 - 36 |
| 3/2/2019 | Ca | = 9.6 mg/dl | 7.8 - 11.3 |
| 3/2/2019 | Chloride | = 126 mmol/l | 112 - 129 |
| 3/2/2019 | CHOL | = 233 mg/dl (H) | 65 - 225 |
| 3/2/2019 | CREA | = 1.0 mg/dl | 0.8 - 2.4 |
| 3/2/2019 | GGT | = 0 U/L | 0 - 1 |
| 3/2/2019 | GLU | = 117 | |
| 3/2/2019 | OSMOLALITY | = 323 | |
| 3/2/2019 | PHOS | = 4.5 mg/dl | 3.1 - 7.5 |
| 3/2/2019 | Potassium | = 4.5 mmol/l | 3.5 - 5.8 |
| 3/2/2019 | TBIL | = 0.4 mg/dl | 0.0 - 0.9 |
| 3/2/2019 | TP | = 8.5 g/dl | 5.7 - 8.9 |
| 3/2/2019 | Sodium | = 161 mmol/l | 150 - 165 |
| 3/2/2019 | Na/K Ratio | = | |
| 3/2/2019 | GLOB | = g/dl | 2.8 - 5.1 |
| 3/2/2019 | OSM calc | = 323 mmol/kg | |
| 3/2/2019 | ALB/GLOB | = 0.6 | |
| 3/2/2019 | BUN/CREA | = 24 | |
| 3/2/2019 | Na/K | = 36 | |
| 3/2/2019 | BUN | = 24 mg/dL | |

Lab Comments: Manually entered.

CBC:

| Date/Time | Test | Result | Reference Range |
|-----------|------------|-----------------|-----------------|
| 3/2/2019 | HCT | = 46.5 % | 30.3 - 52.3 |
| 3/2/2019 | HGB | = 16.2 g/dL | 9.8 - 16.2 |
| 3/2/2019 | LYMPHS | = 26.7 K/uL (H) | .92 - 6.88 |
| 3/2/2019 | MCH | = 14.6 pg | 11.8 - 17.3 |
| 3/2/2019 | MCHC | = 34.8 g/dL | 28.1 - 35.8 |
| 3/2/2019 | MONOS | = 2.2 K/uL (H) | 0.15 - 1.70 |
| 3/2/2019 | PLATELETS | = 166 K/uL (L) | 175 - 600 |
| 3/2/2019 | RBC | = 11.08 M/uL | 6.54 - 12.2 |
| 3/2/2019 | RETIC CNT | = 49.9 | 3.0 - 50.0 |
| 3/2/2019 | WBC | = 10.9 K/uL | 5.5 - 19.50 |
| 3/2/2019 | HEMOGLOBIN | = 16.2 | |
| 3/2/2019 | %LYMPHS | = 26.7 % | 12 - 30 |
| 3/2/2019 | %MONOS | = 2.2 % | 2 - 4 |
| 3/2/2019 | NEUT | = 7.44 K/uL | 1.48 - 10.29 |
| 3/2/2019 | %EOS | = 0.8 % | 0 - 8 |
| 3/2/2019 | PLT | = 166 | |
| 3/2/2019 | Retics | = 49.9 K/uL | 3 - 50 |
| 3/2/2019 | %Retics | = 0.5 % | |
| 3/2/2019 | RDW | = 26.2 % | 15 - 27 |
| 3/2/2019 | PCT | = 0.28 % | |
| 3/2/2019 | %LYMPH | = 26.7 | |
| 3/2/2019 | #LYMPH | = 2.91 | |
| 3/2/2019 | %MONO | = 2.2 | |
| 3/2/2019 | #MONO | = 0.24 | |
| 3/2/2019 | #NEUT | = 7.44 | |
| 3/2/2019 | #EOS | = 0.09 | |
| 3/2/2019 | %RETIC | = 0.5 % | |
| 3/2/2019 | #RETIC | = 49.9 | |
| 3/2/2019 | RETIC-HGB | = 16.8 | |

Lab Comments: Manually entered.

Client: Mullenax, Lora (227368)
 Patient Name: Bear
 Species: Feline
 Breed:

Gender: Male/Castrated
 Weight: 15.71 lbs
 Age: 9 Years
 Doctor:

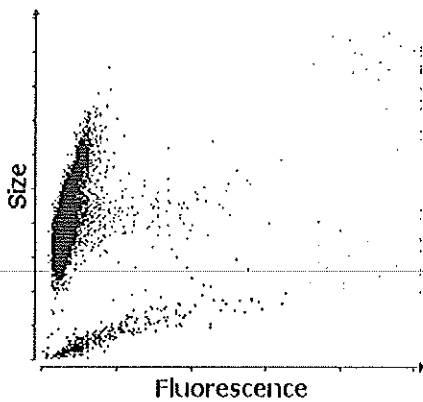
VECC-BluePearl Okla.
 1800 West Memorial Road
 Oklahoma City, OK 73134
 405-7496989 Fax 405-7496994

| Test | Results | Reference Interval | LOW | NORMAL | HIGH |
|------------------------------------|--------------|--------------------|-----|--------|--------------------|
| ProCyte Dx (March 2, 2019 4:11 PM) | | | | | |
| | | | | | 9/30/18 6:12 PM |
| RBC | 11.08 M/μL | 6.54 - 12.20 | | | 9.39 M/μL |
| HCT | 46.5 % | 30.3 - 52.3 | | | 38.6 % |
| HGB | 16.2 g/dL | 9.8 - 16.2 | | | 12.3 g/dL |
| MCV | 42.0 fL | 35.9 - 53.1 | | | 41.1 fL |
| MCH | 14.6 pg | 11.8 - 17.3 | | | 13.1 pg |
| MCHC | 34.8 g/dL | 28.1 - 35.8 | | | 31.9 g/dL |
| RDW | 26.2 % | 15.0 - 27.0 | | | 26.3 % |
| %RETIC | 0.5 % | | | | 0.6 % |
| RETIC | 49.9 K/μL | 3.0 - 50.0 | | | 55.4 K/μL |
| RETIC-HGB | 16.8 pg | 13.2 - 20.8 | | | 17.8 pg |
| WBC | * 10.90 K/μL | 2.87 - 17.02 | | | 19.31 K/μL |
| %NEU | * 68.3 % | | | | 60.9 % |
| %LYM | * 26.7 % | | | | 13.2 % |
| %MONO | * 2.2 % | | | | 4.0 % |
| %EOS | * 0.8 % | | | | 20.4 % |
| %BASO | --- % | | | | 1.5 % |
| NEU | * 7.44 K/μL | 2.30 - 10.29 | | | 11.79 K/μL |
| BAND | * Suspected | | | | |
| LYM | * 2.91 K/μL | 0.92 - 6.88 | | | 2.54 K/μL |
| MONO | * 0.24 K/μL | 0.05 - 0.67 | | | 0.77 K/μL |
| EOS | * 0.09 K/μL | 0.17 - 1.57 | LOW | | 3.93 K/μL |
| BASO | --- K/μL | 0.01 - 0.26 | | | 0.28 K/μL |
| PLT | * 166 K/μL | 151 - 600 | | | 448 K/μL |
| MPV | * 16.9 fL | 11.4 - 21.6 | | | 16.3 fL |
| PCT | * 0.28 % | 0.00 - 0.79 | | | 0.73 % |

PLT Aggregates Detected

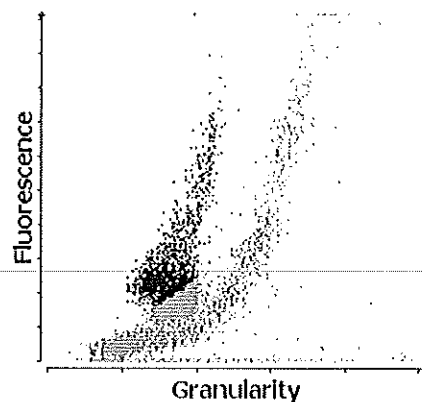
* Confirm with dot plot and/or blood film review.

RBC Run



■ RBC ■ RETICS ■ PLT ■ RBC Frags ■ WBC

WBC Run



■ NEU ■ LYM ■ MONO ■ EOS ■ BASO ■ URBC

1. Immature and/or toxic neutrophils likely present - consider inflammation

Client: Mullenax, Lora (227368)
 Patient Name: Bear
 Species: Feline
 Breed:

Gender: Male/Castrated
 Weight: 15.71 lbs
 Age: 9 Years
 Doctor:

VECC-BluePearl Okla.
 1800 West Memorial Road
 Oklahoma City, OK 73134
 405-7496989 Fax 405-7496994

| Test | Results | Reference Interval | LOW | NORMAL | HIGH |
|--|-------------|--------------------|------|--------|--------------------|
| Catalyst Dx (March 2, 2019 4:35 PM) | | | | | |
| | | | | | 3/2/19 4:18 PM |
| GLU | 117 mg/dL | 71 - 159 | | | 123 mg/dL |
| CREA | 1.0 mg/dL | 0.8 - 2.4 | | | 1.0 mg/dL |
| BUN | 24 mg/dL | 16 - 36 | | | --- |
| BUN/CREA | 24 | | | | |
| PHOS | 4.5 mg/dL | 3.1 - 7.5 | | | --- |
| CA | 9.6 mg/dL | 7.8 - 11.3 | | | --- |
| TP | 8.5 g/dL | 5.7 - 8.9 | | | 8.4 g/dL |
| ALB | 3.2 g/dL | 2.3 - 3.9 | | | --- |
| GLOB | 5.3 g/dL | 2.8 - 5.1 | HIGH | | --- |
| ALB/GLOB | 0.6 | | | | |
| ALT | 80 U/L | 12 - 130 | | | 87 U/L |
| ALKP | 53 U/L | 14 - 111 | | | 51 U/L |
| GGT | 0 U/L | 0 - 4 | | | 0 U/L |
| TBIL | 0.4 mg/dL | 0.0 - 0.9 | | | --- |
| CHOL | 233 mg/dL | 65 - 225 | HIGH | | 236 mg/dL |
| AMYL | 1212 U/L | 500 - 1500 | | | 1107 U/L |
| LIPA | 803 U/L | 100 - 1400 | | | --- |
| Na | 161 mmol/L | 150 - 165 | | | --- |
| K | 4.5 mmol/L | 3.5 - 5.8 | | | --- |
| Na/K | 36 | | | | |
| Cl | 126 mmol/L | 112 - 129 | | | --- |
| Osm Calc | 323 mmol/kg | | | | |
| Catalyst Dx (March 2, 2019 4:18 PM) | | | | | |
| | | | | | 9/30/18 6:20 PM |
| GLU | 123 mg/dL | 71 - 159 | | | 423 mg/dL |
| CREA | 1.0 mg/dL | 0.8 - 2.4 | | | 0.8 mg/dL |
| BUN | --- | 16 - 36 | | | 21 mg/dL |
| PHOS | --- | 3.1 - 7.5 | | | 4.0 mg/dL |
| CA | --- | 7.8 - 11.3 | | | 8.6 mg/dL |
| TP | 8.4 g/dL | 5.7 - 8.9 | | | 7.4 g/dL |
| ALB | --- | 2.3 - 3.9 | | | 3.0 g/dL |
| ALT | 87 U/L | 12 - 130 | | | 39 U/L |
| ALKP | 51 U/L | 14 - 111 | | | 71 U/L |
| GGT | 0 U/L | 0 - 4 | | | 0 U/L |
| TBIL | --- | 0.0 - 0.9 | | | 0.8 mg/dL |
| CHOL | 236 mg/dL | 65 - 225 | HIGH | | 235 mg/dL |
| AMYL | 1107 U/L | 500 - 1500 | | | 567 U/L |
| LIPA | --- | 100 - 1400 | | | 1225 U/L |
| Na | --- | 150 - 165 | | | 157 mmol/L |
| K | --- | 3.5 - 5.8 | | | 3.7 mmol/L |
| Cl | --- | 112 - 129 | | | 113 mmol/L |

Detailed Lab Results

Client: 227368 Lora Mullenax Phone: (405) 872-7874
 Patient: 344007 Patient: Bear Sex: Neutered Male Age: 9 Yrs. 5 Mos.
 Species: Feline Breed: Shorthair, Domestic Weight: 7.21 kilograms

Lab ID: INCLINIC IDEXX VetLab In-clinic Laboratory
 Template: Hematology
 Staff: Aubrey L. Hnatusko, DVM
 Status: Posted
 Req ID: 0 - Saturday 3/2/2019 16:51:46

| Test | Results | Reference Range | Low | Normal | High |
|-----------|--------------|-----------------|-----|--------|------|
| HCT | = 46.5 % | 30.3 - 52.3 | | | |
| HGB | = 16.2 g/dL | 9.8 - 16.2 | | | |
| LYMPHS | = 2.91 K/uL | .92 - 6.88 | | | |
| MCH | = 14.6 pg | 11.8 - 17.3 | | | |
| MCHC | = 34.8 g/dL | 28.1 - 35.8 | | | |
| MCV | = 42 fL | 35.9 - 53.1 | | | |
| MONOS | = 0.24 K/uL | 0.15 - 1.70 | | | |
| MPV | = 16.9 | H 3.9 - 11.1 | | | |
| RBC | = 11.08 M/uL | 6.54 - 12.2 | | | |
| WBC | = 10.9 K/uL | 5.5 - 19.50 | | | |
| %LYMPHS | = 26.7 % | 12 - 30 | | | |
| %MONOS | = 2.2 % | 2 - 4 | | | |
| NEUT | = 7.44 K/uL | 1.48 - 10.29 | | | |
| %NEUT | = 68.3 % | 62 - 87 | | | |
| %EOS | = 0.8 % | 0 - 8 | | | |
| PLT | = 166 | | | | |
| Retics | = 49.9 K/uL | 3 - 50 | | | |
| %Retics | = 0.5 % | | | | |
| RDW | = 26.2 % | 15 - 27 | | | |
| PCT | = 0.28 % | | | | |
| #EOS | = 0.09 | | | | |
| RETIC-HGB | = 16.8 | | | | |

Lab Comments: Manually entered.

Detailed Lab Results

Client: 227368 Lora Mullenax Phone: (405) 872-7874
 Patient: 344007 Patient: Bear Sex: Neutered Male Age: 9 Yrs. 5 Mos.
 Species: Feline Breed: Shorthair, Domestic Weight: 7.21 kilograms

Lab ID: INCLINIC IDEXX VetLab In-clinic Laboratory

Template: Chemistry

Staff: Aubrey L. Hnatusko, DVM

Status: Posted

Req ID: 0 - Saturday

3/2/2019 16:57:35

| Test | Results | Reference Range | Low | Normal | High |
|------------|---------------|-----------------|-----|--------|------|
| GLUCOSE | = 117 mg/dl | 71 - 159 | | | |
| ALB | = 3.2 g/dL | 2.3 - 3.9 | | | |
| ALKP | = 53 U/L | 14 - 111 | | | |
| ALT | = 80 U/L | 12 - 130 | | | |
| AMYL | = 1212 U/L | 500 - 1500 | | | |
| Ca | = 9.6 mg/dl | 7.8 - 11.3 | | | |
| Chloride | = 126 mmol/l | 112 - 129 | | | |
| CHOL | = 233 mg/dl | H 65 - 225 | | | |
| CREA | = 1.0 mg/dl | 0.8 - 2.4 | | | |
| GGT | = 0 U/L | 0 - 1 | | | |
| LIPA | = 803 U/L | 100 - 1400 | | | |
| PHOS | = 4.5 mg/dl | 3.1 - 7.5 | | | |
| Potassium | = 4.5 mmol/l | 3.5 - 5.8 | | | |
| TBIL | = 0.4 mg/dl | 0.0 - 0.9 | | | |
| TP | = 8.5 g/dl | 5.7 - 8.9 | | | |
| Sodium | = 161 mmol/l | 150 - 165 | | | |
| SORB DEHYD | = | | | | |
| GLOB | = 5.3 g/dl | H 2.8 - 5.1 | | | |
| OSM calc | = 323 mmol/kg | | | | |
| ALB/GLOB | = 0.6 | | | | |
| BUN/CREA | = 24 | | | | |
| Na/K | = 36 | | | | |
| BUN | = 24 mg/dL | | | | |

Lab Comments: Manually entered.