

Below is a hospital summary for Casper Adams who presented on 01-03-2021.

Please do not hesitate to contact me with any questions or concerns regarding Casper's care, or if you would like to discuss any other case.

Sincerely,

Elana Hadar, DVM, DACVIM  
ACCESS San Fernando Valley  
20051 Ventura Boulevard  
Woodland Hills, California, 91364  
(818) 887-2262

 Client Details

**Name** Adams, Norman  
**Address** 3617 E Ave J3  
Lancaster, California,  
93535  
**Phone** 661-227-1859  
661-361-5271

 Patient Details

**Name** Casper  
**Species** Feline  
**Breed** Domestic Short Hair  
**Age** 16 years  
**Sex** Male Neutered  
**Referral** North Valley Veterinary  
Clinic - Lancaster

 Health Status

| Date/Time             | Blood Pressure | Weight (kg) | Temp(°F) | Heart Rate | Respiratory Rate | CRT     | Pulse Quality | Respiratory Effort | Notes   |
|-----------------------|----------------|-------------|----------|------------|------------------|---------|---------------|--------------------|---|
| 01-05-2021 8:00:00pm  |                |             |          |            |                  |         |               |                    | Attitude = Dull   |
| 01-05-2021 7:00:00pm  |                |             |          |            |                  |         |               |                    | Attitude = Dull   |
| 01-05-2021 6:00:00pm  |                | 2.54        | 100.0    | 168        | 28               | 1-2 sec | Normal        | Normal             | Attitude = Dull MM = Lt pk  |
| 01-05-2021 5:00:00pm  |                |             |          |            |                  |         |               |                    | Attitude = Dull Humulin<br>R Insulin = CMB                            |
| 01-05-2021 4:00:00pm  | 102            |             | 99.3     |            |                  |         |               |                    | Attitude = Dull   |
| 01-05-2021 3:00:00pm  |                |             |          |            |                  |         |               |                    | Attitude = Dull Humulin<br>R Insulin = Do Humulin<br>R Insulin = Hold |
| 01-05-2021 2:00:00pm  |                |             |          |            |                  |         |               |                    | Attitude = Dull   |
| 01-05-2021 1:00:00pm  |                |             |          |            |                  |         |               |                    | Attitude = Dull   |
| 01-05-2021 12:00:00pm | 84             |             | 99.0     | 180        | 30               | 1-2 sec | Normal        | Normal             | Attitude = Dull MM = Lt pk  |
| 01-05-2021 11:00:00am |                |             |          |            |                  |         |               |                    | Attitude = Dull Humulin<br>R Insulin = Do                             |
| 01-05-2021 10:00:00am |                |             |          |            |                  |         |               |                    | Attitude = Dull   |
| 01-05-2021 9:00:00am  |                |             |          |            |                  |         |               |                    | Attitude = Dull   |
| 01-05-2021 8:00:00am  | 100            |             | 99.7     |            |                  |         |               |                    | Attitude = Dull   |
| 01-05-2021 7:00:00am  | 88             | 2.42        | 100.2    | 164        | 24               | 1-2 sec | Normal        | Normal             | Attitude = Dull MM = Lt pink  |
| 01-05-2021 6:00:00am  |                |             |          |            |                  |         |               |                    | Attitude = Dull   |
| 01-05-2021 5:00:00am  | 90             |             | 97.9     |            |                  |         |               |                    | Attitude = Dull Humulin<br>R Insulin = AO                             |
| 01-05-2021 4:00:00am  |                |             |          |            |                  |         |               |                    | Attitude = Dull   |

|                       |    |      |     |    |         |        |        |   |
|-----------------------|----|------|-----|----|---------|--------|--------|---|
| 01-05-2021 3:00:00am  |    |      |     |    |         |        |        | Attitude = Dull   |
| 01-05-2021 2:00:00am  |    |      |     |    |         |        |        | Attitude = Dull   |
| 01-05-2021 1:00:00am  | 92 | 98.9 | 180 | 16 | 1-2 sec | Normal | Normal | Attitude = Dull MM = Lt<br>pk Humulin R Insulin =<br>Za |
| 01-05-2021 12:00:00am |    |      |     |    |         |        |        | Attitude = Dull   |

 Shift Summaries

INPATIENT UPDATE January 5, 2021:

SUBJECTIVE:

Casper, 16 year old MN Domestic Short Hair, remained hospitalized for management of DKA and hypernatremia. Casper has no interest in eating or drinking. Casper urinated but did not defecate overnight. No vomiting or diarrhea was reported.

OBJECTIVE:

General: mildly obtunded to QAR; euhydrated; IVC in place and patent

Eyes, Ears, Nose, Throat: Sclera, conjunctiva, anterior chamber clear OU; mucous membranes are pink and moist; CRT < 2 sec. NG tube in place.

Cardiovascular: No murmurs or arrhythmias; strong, synchronous femoral pulses

Respiratory: Normal bronchovesicular sounds bilaterally; no crackles or wheezes; eupneic

Abdomen: No masses, organomegaly or fluid palpated; non-painful

Integumentary: Dull haircoat

PLNs: < 0.5cm

Rectal/GU: External structures within normal limits; digital exam not performed.

Musculoskeletal/Neurologic: Ambulatory x 4; mentation is appropriate; no overt CP or cranial nerve deficits; full neurologic exam not performed; BCS 3-4/9. Moderate epaxial muscle wasting.

ASSESSMENT:

Abnormal mentation - improved 1/5/2021

Diabetes mellitus

HHS

Renal Failure

Likely chronic kidney disease

Hypernatremia, severe

Hyperkalemia

Neutrophilic leukocytosis - r/o infectious vs inflammatory

PLAN:

IV Fluids:

1. LRS at 12 ml/hr

Medications:

1. Maropitant 2.3 mg IV q 24h
2. Pantoprazole 2.3 mg IV q 12h
3. Unasyn 68.4 mg IV q 8h
4. Humulin R 0.25 IM q 4h PRN

Diagnostics/Treatments:

1. BG q 4h
2. PCV/TS q 12h
3. Serum ketones q 24h
4. Free water via NGT q 4h

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 Diagnostic Result

Radiographs - Two Body Regions (Ref: US10449-DR463149)

**Outcome**

Imaging Report for Adams^Casper US10449-DR463149

History:

X-rays 1-4 are of another patient.

Date: 01-03-2021 Notes: Casper, a 16yo MN DSH, was referred to the ACCESS Emergency service for anorexia and lethargy. The owner reports that Casper has been hyporexic since 12/23, with severe progression over the past 3 days to anorexia today. He did vomit twice after eating 2 days ago, and had diarrhoea today. The owner reports no history of GI signs, any recent dietary changes, or known dietary indiscretion. His water intake and urination is decreased recently. Casper was seen by their primary care veterinarian today, where bloodwork was performed (see below). He was referred for treatment.

The owner reports he was diagnosed with Diabetes Mellitus in mid December 2020 - the owner reports that he was PUPD, had weight loss, and was ataxic at the time of diagnosis. His PUPD has improved since starting Vetsulin.

There is no current history of coughing or sneezing. Casper is an indoor only cat.

Diet: Proplan DM, Forza10 Actiwet Diabetic

FelV/FIV status: Unknown

PPHx:

Diabetes Mellitus

Azotaemia

Stomatitis

Rx:

Vetsulin 1U SQ q12h (last given at 9.40am)

pDVM diagnostics:

CBC/biochem (1/3/2021): WBC 28.88k, neut 26.07k, lymph 1.41k, plt 185k, alb 5.0, ALT 114, amyl 1606, BUN 49, creat 2.7, glu 319, phos 8.8, Na >170, TP 9.0

CBC/biochem (12/18/2020): WBC 28.43k, neut 26.04k with bands suspected, eos 0.08k, glu 538, SDMA 17, BUN 69, creat 1.7, glob 5.3, chol 261, total T4 0.7

CBC/biochem (11/6/2020): retic 54.4k, eos 0.13k, otherwise WNL

GEN: QDR, 8-10% dehydrated

EENT: Eyes- Clear, no discharge OU. Ears: No debris, smooth epithelium AU. Nose: Moist nasal planum

ORAL EXAM: Moderate dental calculi and gingivitis, multiple missing teeth

CV/RS: No murmur or arrhythmia. Fair synchronous femoral pulses. Eupneic, clear BV sounds all quadrants, no crackles or wheezes. CRT 1-2 sec MM light pk

GU/GI: Comfortable on abdominal palpation, smooth bowel loops, No organomegaly palpated, small urinary bladder (patient urinated

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**SOUTH BAY**

2551 W. 190th St.  
Torrance, CA 90504  
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Fax: (424) 293-7254

**LOS ANGELES**

9599 Jefferson Blvd.  
Culver City, CA 90232  
Tel: (310) 558-6100  
Fax: (310) 558-6199

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upon palpation)

MS/NS: BCS: 2-3/9, moderate to severe cachexia, dull mentation, full CN exam not performed, CP deficit in the RPL, no spinal pain

GAIT EXAM: Tetraparesis

INTEG: Haircoat clean/no dandruff, no ectoparasites noted

LN: No peripheral LA

**Findings:**

The submitted study includes 10 radiographs that include a geriatric feline and young canine. Consider resubmission with the correct imaging.

**Conclusion:**

The submitted study includes 10 radiographs that include a geriatric feline and young canine. Consider resubmission with the correct imaging.

Peter Noel

Peter Noel, DVM, DACVR

Parallax Teleradiology (parallaxvet.slack.com)

Please see attached report for more details

Blood Gas Panel Siemens (Ref: US10449-DR463806)

| Test        | Results | Unit   | Lowest Value | Highest Value | Qualifier |
|-------------|---------|--------|--------------|---------------|-----------|
| 01. pH      | 7.209   |        | 7.230        | 7.423         |           |
| 02. pCO2    | 32.7    | mmHg   |              |               |           |
| 03. PO2     | 58.8    | mmHg   |              |               |           |
| 04. HCO3-   | 12.8    | mmol/L | 16.8         | 24.0          |           |
| 05. BE      | -13.9   | mmol/L | -9.5         | -0.7          |           |
| 06. ctCO2   | 13.8    | mmol/L |              |               |           |
| 07. HCT     | 18      | %      |              |               |           |
| 08. tHb     | 6.0     | g/dL   |              |               |           |
| 09. sO2     | 76.0    | %      |              |               |           |
| 11. O2Hb    | 75.4    | %      |              |               |           |
| 12. COHb    | 0.7     | %      |              |               |           |
| 13. MetHb   | 0.1     | %      |              |               |           |
| 14. HHb     | 23.8    | %      |              |               |           |
| 15. ctO2(v) | 6.5     | mL/dL  |              |               |           |
| 16. Na+     | 159.4   | mmol/L | 149.8        | 155.7         |           |
| 17. K       | 3.32    | mmol/L | 3.19         | 4.76          |           |
| 18. Ca++    | 1.25    | mmol/L | 1.19         | 1.35          |           |
| 19. Cl-     | 131     | mmol/L | 113          | 121           |           |
| 20. AnGap   | 19.0    | mmol/L | 15.4         | 23.4          |           |
| 21. Glu     | 169     | mg/dL  | 75           | 120           |           |
| 22. Lac     | 0.60    | mmol/L | 0.50         | 5.23          |           |

PCV/TS Lab (Ref: US10449-DR463808)

| Test         | Results | Unit | Lowest Value | Highest Value | Qualifier |
|--------------|---------|------|--------------|---------------|-----------|
| PCV          | 17      | %    |              |               |           |
| Buffy Coat   | 1       | %    |              |               |           |
| Total Solids | 7.8     | g/dL |              |               |           |
| Serum Color  | clear   |      |              |               |           |

I-Stat Chem 8 (Ref: US10449-DR463807)

| Test      | Results | Unit   | Lowest Value | Highest Value | Qualifier |
|-----------|---------|--------|--------------|---------------|-----------|
| 01. Na    | 157     | mmol/L | 147          | 162           |           |
| 02. K     | 3.2     | mmol/L | 2.9          | 4.2           |           |
| 03. Cl    | 136     | mmol/L | 112          | 129           |           |
| 04. iCa   | 1.29    | mmol/L | 1.2          | 1.32          |           |
| 05. TC02  | 15      | mmol/L | 17           | 24            |           |
| 06. Glu   | 157     | mg/dL  | 80           | 130           |           |
| 07. BUN   | 121     | mg/dL  | 15           | 34            |           |
| 08. Creat | 5.3     | mg/dL  | 1.0          | 2.2           |           |
| 09. HCT   | 15      | %      | 30           | 45            |           |
| 10. Hb    | 5.1     | g/dL   | 8            | 13            |           |
| 11. AnGap | 10      | mmol/L | 10           | 27            |           |

Serum Ketone Test (Ref: US10449-DR463809)

**Outcome**

Negative

PCV/TS Lab (Ref: US10449-DR463752)

| Test         | Results   | Unit | Lowest Value | Highest Value | Qualifier |
|--------------|-----------|------|--------------|---------------|-----------|
| PCV          | 19        | %    |              |               |           |
| Buffy Coat   | 1         | %    |              |               |           |
| Total Solids | 8.0       | g/dL |              |               |           |
| Serum Color  | colorless |      |              |               |           |

IDEXX CBC-SELECT(300) (Ref: US10449-DR463610)

| Test | Results | Unit | Lowest Value | Highest Value | Qualifier |
|------|---------|------|--------------|---------------|-----------|
| WBC  | 33.9    | K/uL | 3.9          | 19.0          |           |
| RBC  | 4.12    | M/uL | 7.12         | 11.46         |           |
| HGB  | 6.2     | g/dL | 10.3         | 16.2          |           |
| HCT  | 19.5    | %    | 28.2         | 52.7          |           |

| Test            | Results | Unit | Lowest Value | Highest Value | Qualifier |
|-----------------|---------|------|--------------|---------------|-----------|
| MCV             | 47      | fL   | 39           | 56            |           |
| MCH             | 15.0    | pg   | 12.6         | 16.5          |           |
| MCHC            | 31.8    | g/dL | 28.5         | 37.8          |           |
| % RETICULOCYTE  | 0.7     | %    |              |               |           |
| RETICULOCYTE    | 29      | K/uL | 3            | 50            |           |
| RETIC HGB       | 16.3    | pg   | 13.2         | 20.8          |           |
| % NEUTROPHIL    | 91.0    | %    |              |               |           |
| % BAND          | 3.0     | %    |              |               |           |
| % LYMPHOCYTE    | 2.0     | %    |              |               |           |
| % MONOCYTE      | 2.0     | %    |              |               |           |
| % EOSINOPHIL    | 0.0     | %    |              |               |           |
| % BASOPHIL      | 0.0     | %    |              |               |           |
| % METAMYELOCYTE | 2.0     | %    |              |               |           |
| PLATELET        | 122     | K/uL | 155          | 641           |           |

SEE PLATELET COMMENT

PLATELET COMMENTS

Scanning of the blood film revealed adequate platelet numbers. Due to clumping, the automated platelet number cannot be accurately determined.

ANISOCYTOSIS SLIGHT

POIKILOCYTOSIS SLIGHT

REMARKS

Slide reviewed microscopically.

No feline Hemotropic Mycoplasma (FHM, formerly Hemobartonella) seen. If FHM is suspected, the IDEXX RealPCR for FHM is more sensitive than blood film review. Unit code 1717

|               |       |     |      |       |  |
|---------------|-------|-----|------|-------|--|
| NEUTROPHIL    | 30849 | /uL | 2620 | 15170 |  |
| LYMPHOCYTE    | 678   | /uL | 850  | 5850  |  |
| MONOCYTE      | 678   | /uL | 40   | 530   |  |
| EOSINOPHIL    |       | /uL | 90   | 2180  |  |
| BASOPHIL      |       | /uL |      | 100   |  |
| METAMYELOCYTE | 678   | /uL |      |       |  |
| BAND          | 1017  | /uL |      | 300   |  |

CHEM 25 w/ SDMA(111) (Ref: US10449-DR463610)

| Test                 | Results | Unit  | Lowest Value | Highest Value | Qualifier |
|----------------------|---------|-------|--------------|---------------|-----------|
| GLUCOSE              | 131     | mg/dL | 72           | 175           |           |
| SDMA                 | 46      | ug/dL |              | 14            |           |
| CREATININE           | 4.5     | mg/dL | 0.9          | 2.3           |           |
| BUN                  | 98      | mg/dL | 16           | 37            |           |
| BUN/CREATININE RATIO | 21.8    |       |              |               |           |
| PHOSPHORUS           | 10.6    | mg/dL | 2.9          | 6.3           |           |

SDMA and creatinine are increased: acute, active or chronic kidney injury likely. Recommended next step: complete urinalysis. For information on recommended actions visit: [www.idexx.com/sdmaalgorithm](http://www.idexx.com/sdmaalgorithm).

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| Test  | Results | Unit   | Lowest Value | Highest Value | Qualifier |
|---|---------|--------|--------------|---------------|-----------|
| CALCIUM   | 9.6     | mg/dL  | 8.2          | 11.2          |           |
| SODIUM  | 171     | mmol/L | 147          | 157           |           |
| <i>RESULT VERIFIED BY REPEAT ANALYSIS</i>                                     |         |        |              |               |           |
| POTASSIUM   | 3.5     | mmol/L | 3.7          | 5.2           |           |
| CHLORIDE  | 139     | mmol/L | 114          | 126           |           |
| <i>RESULT VERIFIED BY REPEAT ANALYSIS</i>                                     |         |        |              |               |           |
| NA/K RATIO  | 49      |        | 29           | 42            |           |
| TCO2 (BICARBONATE)  | 11      | mmol/L | 12           | 22            |           |
| ANION GAP   | 25      | mmol/L | 12           | 25            |           |
| TOTAL PROTEIN   | 7.1     | g/dL   | 6.3          | 8.8           |           |
| ALBUMIN   | 3.3     | g/dL   | 2.6          | 3.9           |           |
| GLOBULIN  | 3.8     | g/dL   | 3.0          | 5.9           |           |
| ALB/GLOB RATIO  | 0.9     |        | 0.5          | 1.2           |           |
| ALT   | 61      | U/L    | 27           | 158           |           |
| AST   | 49      | U/L    | 16           | 67            |           |
| ALP   | 23      | U/L    | 12           | 59            |           |
| GGT   | <1      | U/L    |              | 6             |           |
| TOTAL BILIRUBIN   | 0.3     | mg/dL  | 0.0          | 0.3           |           |
| BILIRUBIN UNCONJUGATED  | 0.2     | mg/dL  | 0.0          | 0.2           |           |
| BILIRUBIN CONJUGATED  | 0.1     | mg/dL  | 0.0          | 0.2           |           |
| CHOLESTEROL   | 257     | mg/dL  | 91           | 305           |           |
| CREATINE KINASE   | 490     | U/L    | 64           | 440           |           |
| HEMOLYSIS INDEX   | N       |        |              |               |           |
| <i>Index of N, 1+, 2+ exhibits no significant effect on chemistry values.</i> |         |        |              |               |           |
| LIPEMIA INDEX   | N       |        |              |               |           |
| <i>Index of N, 1+, 2+ exhibits no significant effect on chemistry values.</i> |         |        |              |               |           |

## CASPER ADAMS

PET OWNER: **ADAMS**  
 SPECIES: Feline  
 BREED: Shorthair, Domestic  
 GENDER: Male  
 AGE: 16 Years  
 PATIENT ID: 384561

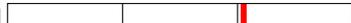
**Animal Critical Care**  
 20051-D Ventura Blvd.  
 Woodland Hills, CA 91364  
 818-887-2262  
 ACCOUNT #: 5608  
 ATTENDING VET: Dr. Elana Hadar

LAB ID: 7803688323  
 ORDER ID: 463610  
 COLLECTION DATE: **1/4/21**  
 DATE OF RECEIPT: **1/5/21**  
 DATE OF RESULT: **1/5/21**

IDEXX Services: **HealthChek™ Profile Select**

## Hematology

**1/5/21** (Order Received)  
**1/5/21 12:30 PM** (Last Updated)

| TEST                    | RESULT        | REFERENCE VALUE          |  |
|-------------------------|---------------|--------------------------|--|
| <b>RBC</b>              | <b>4.12</b>   | <b>7.12 - 11.46 M/μL</b> | L    |
| <b>Hematocrit</b>       | <b>19.5</b>   | <b>28.2 - 52.7 %</b>     | L    |
| <b>Hemoglobin</b>       | <b>6.2</b>    | <b>10.3 - 16.2 g/dL</b>  | L    |
| MCV                     | 47            | 39 - 56 fL               |      |
| MCH                     | 15.0          | 12.6 - 16.5 pg           |      |
| MCHC                    | 31.8          | 28.5 - 37.8 g/dL         |      |
| % Reticulocyte          | 0.7           | %                        |  |
| Reticulocytes           | 29            | 3 - 50 K/μL              |    |
| Reticulocyte Hemoglobin | 16.3          | 13.2 - 20.8 pg           |    |
| <b>WBC</b>              | <b>33.9</b>   | <b>3.9 - 19.0 K/μL</b>   | H  |
| % Neutrophils           | 91.0          | %                        |  |
| % Bands                 | 3.0           | %                        |  |
| % Metamyelocytes        | 2.0           | %                        |  |
| % Lymphocytes           | 2.0           | %                        |  |
| % Monocytes             | 2.0           | %                        |  |
| % Eosinophils           | 0.0           | %                        |  |
| % Basophils             | 0.0           | %                        |  |
| <b>Neutrophils</b>      | <b>30.849</b> | <b>2.62 - 15.17 K/μL</b> | H  |
| <b>Bands</b>            | <b>1,017</b>  | <b>0 - 300 /uL</b>       | H  |
| <b>Metamyelocytes</b>   | <b>678</b>    | <b>&lt;= 0 /uL</b>       |  |
| <b>Lymphocytes</b>      | <b>0.678</b>  | <b>0.85 - 5.85 K/μL</b>  | L  |
| <b>Monocytes</b>        | <b>0.678</b>  | <b>0.04 - 0.53 K/μL</b>  | H  |
| <b>Eosinophils</b>      | <b>0</b>      | <b>0.09 - 2.18 K/μL</b>  | L  |
| Basophils               | 0             | 0 - 0.1 K/μL             |    |

## Hematology (continued)

| TEST              | RESULT  | REFERENCE VALUE                      |  |
|-------------------|---|--------------------------------------|--|
| <b>Platelets</b>  | <sup>a</sup> <b>122</b>   | <b>155 - 641 K/<math>\mu</math>L</b> | L  |
| Platelet Comments | Scanning of the blood film revealed adequate platelet numbers. Due to clumping, the automated platelet number cannot be accurately determined.  |                                      |  |
| Poikilocytosis    | SLIGHT  |                                      |  |
| Anisocytosis      | SLIGHT  |                                      |  |
| Remarks           | Slide reviewed microscopically.<br>No feline Hemotropic Mycoplasma (FHM, formerly Hemobartonella) seen. If FHM is suspected, the IDEXX RealPCR for FHM is more sensitive than blood film review. Unit code 1717 |                                      |  |
|                   | <sup>a</sup> SEE PLATELET COMMENT   |                                      |  |

## Chemistry

1/5/21 (Order Received)  
1/5/21 12:30 PM (Last Updated)

| TEST                      | RESULT                  | REFERENCE VALUE                    |  |
|---------------------------|-------------------------|------------------------------------|--|
| Glucose                   | 131                     | 72 - 175 mg/dL                     |    |
| <b>IDEXX SDMA</b>         | <sup>a</sup> <b>46</b>  | <b>0 - 14 <math>\mu</math>g/dL</b> | H  |
| <b>Creatinine</b>         | <b>4.5</b>              | <b>0.9 - 2.3 mg/dL</b>             | H  |
| <b>BUN</b>                | <b>98</b>               | <b>16 - 37 mg/dL</b>               | H  |
| BUN: Creatinine Ratio     | 21.8                    |                                    |  |
| <b>Phosphorus</b>         | <b>10.6</b>             | <b>2.9 - 6.3 mg/dL</b>             | H  |
| Calcium                   | 9.6                     | 8.2 - 11.2 mg/dL                   |    |
| <b>Sodium</b>             | <sup>b</sup> <b>171</b> | <b>147 - 157 mmol/L</b>            | H  |
| <b>Potassium</b>          | <b>3.5</b>              | <b>3.7 - 5.2 mmol/L</b>            | L  |
| <b>Na: K Ratio</b>        | <b>49</b>               | <b>29 - 42</b>                     | H  |
| <b>Chloride</b>           | <sup>c</sup> <b>139</b> | <b>114 - 126 mmol/L</b>            | H  |
| <b>TCO2 (Bicarbonate)</b> | <b>11</b>               | <b>12 - 22 mmol/L</b>              | L  |
| Anion Gap                 | 25                      | 12 - 25 mmol/L                     |    |
| Total Protein             | 7.1                     | 6.3 - 8.8 g/dL                     |    |
| Albumin                   | 3.3                     | 2.6 - 3.9 g/dL                     |    |
| Globulin                  | 3.8                     | 3.0 - 5.9 g/dL                     |    |

**Chemistry (continued)**

| TEST                        | RESULT            | REFERENCE VALUE     |   |
|-----------------------------|-------------------|---------------------|---|
| Albumin:<br>Globulin Ratio  | 0.9               | 0.5 - 1.2           |   |
| ALT                         | 61                | 27 - 158 U/L        |   |
| AST                         | 49                | 16 - 67 U/L         |   |
| ALP                         | 23                | 12 - 59 U/L         |   |
| GGT                         | <1                | 0 - 6 U/L           |   |
| Bilirubin - Total           | 0.3               | 0.0 - 0.3 mg/dL     |   |
| Bilirubin -<br>Unconjugated | 0.2               | 0.0 - 0.2 mg/dL     |   |
| Bilirubin -<br>Conjugated   | 0.1               | 0.0 - 0.2 mg/dL     |   |
| Cholesterol                 | 257               | 91 - 305 mg/dL      |   |
| <b>Creatine Kinase</b>      | <b>490</b>        | <b>64 - 440 U/L</b> | H |
| Hemolysis Index             | <sup>d</sup><br>N |                     |   |
| Lipemia Index               | <sup>e</sup><br>N |                     |   |

<sup>a</sup> SDMA and creatinine are increased: acute, active or chronic kidney injury likely. Recommended next step: complete urinalysis. For information on recommended actions visit: [www.idexx.com/sdmaalgorithm](http://www.idexx.com/sdmaalgorithm).

<sup>b</sup> RESULT VERIFIED BY REPEAT ANALYSIS

<sup>c</sup> RESULT VERIFIED BY REPEAT ANALYSIS

<sup>d</sup> Index of N, 1+, 2+ exhibits no significant effect on chemistry values.

<sup>e</sup> Index of N, 1+, 2+ exhibits no significant effect on chemistry values.

Patient Information

|                    |                                |                  |                  |             |          |
|--------------------|--------------------------------|------------------|------------------|-------------|----------|
| Patient:           | Adams, Casper                  | Patient ID:      | 384561           | Report #    | 47416    |
| Birth Date:        | 20050103                       | Age:             | 16Y              | Gender:     | M        |
| Study Description: | Radiographs - Two Body Regions | Accession:       | US10449-DR463149 | Study Date: | 20210103 |
| Sedation Used:     | No                             | Anesthesia Used: | No               | Modalities: | DX       |

Annotated Images Requested: No

STAT Request: 0

## History

X-rays 1-4 are of another patient.

Date: 01-03-2021 Notes: Casper, a 16yo MN DSH, was referred to the ACCESS Emergency service for anorexia and lethargy. The owner reports that Casper has been hyporexic since 12/23, with severe progression over the past 3 days to anorexia today. He did vomit twice after eating 2 days ago, and had diarrhoea today. The owner reports no history of GI signs, any recent dietary changes, or known dietary indiscretion. His water intake and urination is decreased recently. Casper was seen by their primary care veterinarian today, where bloodwork was performed (see below). He was referred for treatment. The owner reports he was diagnosed with Diabetes Mellitus in mid December 2020 - the owner reports that he was PUPD, had weight loss, and was ataxic at the time of diagnosis. His PUPD has improved since starting Vetsulin.

There is no current history of coughing or sneezing. Casper is an indoor only cat.

Diet: Proplan DM, Forza10 Actiwet Diabetic

FeLV/FIV status: Unknown

PPHx:

Diabetes Mellitus

Azotaemia

Stomatitis

Rx:

Vetsulin 1U SQ q12h (last given at 9.40am)

pDVM diagnostics:

1. CBC/biochem (1/3/2021): WBC 28.88k, neut 26.07k, lymph 1.41k, plt 185k, alb 5.0, ALT 114, amyl 1606, BUN 49, creat 2.7, glu 319, phos 8.8, Na >170, TP 9.0
2. CBC/biochem (12/18/2020): WBC 28.43k, neut 26.04k with bands suspected, eos 0.08k, glu 538, SDMA 17, BUN 69, creat 1.7, glob 5.3, chol 261, total T4 0.7
3. CBC/biochem (11/6/2020): retic 54.4k, eos 0.13k, otherwise WNL

GEN: QDR, 8-10% dehydrated

EENT: Eyes- Clear, no discharge OU. Ears: No debris, smooth epithelium AU. Nose: Moist nasal planum

ORAL EXAM: Moderate dental calculi and gingivitis, multiple missing teeth

CV/RS: No murmur or arrhythmia. Fair synchronous femoral pulses. Eupneic, clear BV sounds all quadrants, no crackles or wheezes. CRT 1-2 sec MM light pk

GU/GI: Comfortable on abdominal palpation, smooth bowel loops, No organomegaly palpated, small urinary bladder (patient urinated upon palpation)

MS/NS: BCS: 2-3/9, moderate to severe cachexia, dull mentation, full CN exam not performed, CP deficit in the RPL, no spinal pain

GAIT EXAM: Tetraparesis

INTEG: Haircoat clean/no dandruff, no ectoparasites noted

LN: No peripheral LA

## Findings

The submitted study includes 10 radiographs that include a geriatric feline and young canine. Consider resubmission with the correct imaging.

## Impressions

The submitted study includes 10 radiographs that include a geriatric feline and young canine. Consider resubmission with the correct imaging.

## Recommendations

Report on 2021-01-05 21:51:21 UTC signed by:

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**Peter Noel**

Peter Noel, DVM, DACVR

Parallax Teleradiology (parallaxvet.slack.com)

powered by  VETROCKET

**CASPER ADAMS**

|                            |                                |                                |
|----------------------------|--------------------------------|--------------------------------|
| PET OWNER: <b>ADAMS</b>    | <b>Animal Critical Care</b>    | LAB ID: 8300328600             |
| SPECIES: Feline            | 20051-D Ventura Blvd.          | ORDER ID: 463146               |
| BREED: Shorthair, Domestic | Woodland Hills, CA 91364       | COLLECTION DATE: <b>1/4/21</b> |
| GENDER: Male               | 818-887-2262                   | DATE OF RECEIPT: <b>1/4/21</b> |
| AGE: 16 Years              | ACCOUNT #: 5608                | DATE OF RESULT: <b>1/6/21</b>  |
| PATIENT ID: 384561         | ATTENDING VET: Dr.Cecilia Kong |                                |

**IDEXX Services: Urinalysis, Urine Culture and MIC Susceptibility\***

## Urinalysis



**1/4/21** (Order Received)  
**1/6/21 9:13 PM** (Last Updated)

| TEST               | RESULT                       | REFERENCE VALUE |
|--------------------|------------------------------|-----------------|
| Collection         | CYSTOCENTESIS                |                 |
| Color              | Yellow                       |                 |
| Clarity            | CLOUDY                       |                 |
| Specific Gravity   | 1.020                        |                 |
| pH                 | 5.5                          |                 |
| Urine Protein      | 1+                           |                 |
| Glucose            | <sup>a</sup> 3+ (1000 mg/dL) |                 |
| Ketones            | NEGATIVE                     |                 |
| Blood / Hemoglobin | 2+                           |                 |
| Bilirubin          | NEGATIVE                     |                 |
| Urobilinogen       | NORMAL                       |                 |
| White Blood Cells  | 2-5                          | 0 - 5 HPF       |
| Red Blood Cells    | 20-30                        | HPF             |
| Bacteria           | NONE SEEN                    |                 |
| Epithelial Cells   | 1+ (1-2)/HPF                 |                 |
| Mucus              | NONE SEEN                    |                 |
| Casts              | NONE SEEN                    |                 |
| Crystals           | NONE SEEN                    |                 |

## Urinalysis (continued)

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a RESULT VERIFIED BY REPEAT ANALYSIS

## Microbiology



1/4/21 (Order Received)

1/6/21 9:13 PM (Last Updated)

Source: URINE

Culture Results: Status: FINAL

No Growth

\*\*INTERPRETATION KEY for Antibiotic Susceptibility Results (when performed)\*\*

S = Sensitive. Organism is inhibited by usual recommended dose.

I = Intermediate. Organism is inhibited only by the maximum recommended dose.

R = Resistant. Organism is resistant to the maximum recommended dose.

These standards have been established by the Clinical and Laboratory Standards Institute (CLSI).

TF = To Follow. Susceptibility testing for this antibiotic is performed by Kirby-Bauer and results will follow shortly.

N/I (not indicated) will be reported and/or MIC data may be left blank and not reported if:

a) the growth requirements of the organism require the sensitivity testing to be performed by another method

b) interpretive criteria are not available from CLSI (in this case, recommended antibiotics will be reported based on clinical efficacy studies)

c) certain antibiotics are not available due to limitations of our commercial laboratory system; or

d) the drug is known to be clinically ineffective against the organism regardless of in vitro results

If "N/I" is listed for ALL antibiotics for a specific isolate, susceptibility testing was not performed for that organism. Please refer to the comment associated with the organism for recommendations if applicable.

For more information on Minimum Inhibitory Concentration (MIC) please see the "Microbiology Guide to Interpreting Minimum Inhibitory Concentration (MIC)" section of the IDEXX Reference Laboratories Directory of Services or visit [www.idexx.com/MIC](http://www.idexx.com/MIC).