



Emergency Veterinary & Specialty
Services of Roanoke
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CLINICAL SUMMARY
Animal No. 191712
Clinical No. 484634
Record Date 05-21-2020
Attending Vet(s) Emily Gallagher, DVM,
Maureen Noftsinger, DVM,
Taylor Tran, DVM
Referring Clinic Botetourt Animal Hospital
Printed At 05-22-2020
Printed By Billie Lawson

Dear Colleague,

Below is the in hospital summary for Daisy's Boy Morgan seen on 05-21-2020.

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

Sincerely,

Emily Gallagher, DVM
Emergency Veterinary & Specialty Services of Roanoke
5363 Peters Creek Road
Roanoke, Virginia, 24019
540-563-8575

Client Details

Name Morgan, Kristen **Phone** 336-465-6023
Address 314 Redbud Lane
Fincastle, Virginia,
24090

Patient Details

Name Daisy's Boy **Age** 1 month
Species Canine (Dog) **Deceased Date** Deceased (05-22-2020)
Breed Miniature Goldendoodle **Sex** Male
Referral Botetourt Animal Hospital

Thursday the 21st of May 2020

02:13AM

Presenting Problem(s)

Emily Gallagher, DVM

Lethargic, dehydrated and possible has lost weight.

Diagnostic Result

Requested By: Taylor Tran, DVM
Supplier: Idexx IVLS
Reference: US746-DR3112
SNAP Fecal Parvo Outcome:
Analyzer: SNAP

Analyzer Note:

Clinic Notes / Specifics:

Test	Results	Unit	Lowest Value	Highest Value	Qualifier	Notes
Parvo	Negative				=	

02:20AM

Diagnostic Request

Requested By: Taylor Tran, DVM
Supplier: Idexx IVLS
Reference: US746-DR3112
Status: None
 SNAP Fecal Parvo

03:00AM

Diagnostic Result

Requested By: Taylor Tran, DVM
Supplier: In House Lab
Reference: US746-DR3128
 Glucose Blood Test **Outcome:**

Clinic Notes / Specifics:

Test	Results	Unit	Lowest Value	Highest Value	Qualifier	Notes
BG	122					

03:05AM

Diagnostic Result

Requested By: Taylor Tran, DVM
Supplier: Idexx IVLS
Reference: US746-DR3113
 CBC/Lytes/Chem 17 package **Outcome:**
 Analyzer: ProCyte_Dx

Analyzer Note: PLT Aggregates Detected* Confirm with dot plot and/or blood film review. Immature and/or toxic neutrophils likely present - consider active inflammation Anemia without reticulocytosis-likely non-regenerative anemia; consider pre-regenerative anemia Monocytosis - consider inflammation (if lymphopenia, consider glucocorticoid response) Low RETIC-HGB-decreased iron availability (consider inflammation, iron deficiency, PSS, breed-related microcytosis)

Clinic Notes / Specifics:

Test	Results	Unit	Lowest Value	Highest Value	Qualifier	Notes
RBC	5.20	M/ μ L	5.65	8.87	=	
HCT	36.6	%	37.3	61.7	=	
HGB	11.2	g/dL	13.1	20.5	=	
MCV	70.4	fL	61.6	73.5	=	
MCH	21.5	pg	21.2	25.9	=	
MCHC	30.6	g/dL	32.0	37.9	=	
RDW	18.5	%	13.6	21.7	=	
%RETIC	1.1	%			=	
RETIC	57.2	K/ μ L	10.0	110.0	=	
RETIC-HGB	21.6	pg	22.3	29.6	=	
WBC	* 11.05	K/ μ L	5.05	16.76	*	
%NEU	* 38.4	%			*	

Test	Results	Unit	Lowest Value	Highest Value	Qualifier	Notes
%LYM	* 17.5	%			*	
%MONO	* 12.3	%			*	
%EOS	* 31.8	%			*	
%BASO	* 0.0	%			*	
NEU	* 4.25	K/ μ L	2.95	11.64	*	
BAND	* Suspected				*	
LYM	* 1.93	K/ μ L	1.05	5.10	*	
MONO	* 1.36	K/ μ L	0.16	1.12	*	
EOS	* 3.51	K/ μ L	0.06	1.23	*	
BASO	* 0.00	K/ μ L	0.00	0.10	*	
PLT	* 725	K/ μ L	148	484	*	
MPV	* 15.7	fL	8.7	13.2	*	
PDW	--	fL	9.1	19.4	-	
PCT	* 1.14	%	0.14	0.46	*	

03:12AM

 Diagnostic Result

Requested By: Taylor Tran, DVM
Supplier: Idexx IVLS
Reference: US746-DR3113
 CBC/Lytes/Chem 17 package **Outcome:**
 Analyzer: Catalyst_One
 Analyzer Note:

Clinic Notes / Specifics:

Test	Results	Unit	Lowest Value	Highest Value	Qualifier	Notes
GLU	89	mg/dL	77	150	=	
CREA	1.3	mg/dL	0.3	1.2	=	
BUN	119	mg/dL	7	29	=	
BUN/CREA	89				=	
PHOS	10.4	mg/dL	5.1	10.4	=	
CA	9.1	mg/dL	7.8	12.6	=	
TP	7.0	g/dL	4.8	7.2	=	
ALB	4.2	g/dL	2.1	3.6	=	
GLOB	2.9	g/dL	2.3	3.8	=	
ALB/GLOB	1.5				=	
ALT	14	U/L	8	75	=	
ALKP	161	U/L	46	337	=	
GGT	2	U/L	0	2	=	
TBIL	0.7	mg/dL	0.0	0.8	=	
CHOL	443	mg/dL	100	400	=	
AMYL	539	U/L	300	1300	=	
LIPA	583	U/L	100	1500	=	
Na	141	mmol/L	145	157	=	
K	3.6	mmol/L	3.5	5.5	=	
Na/K	39				=	
Cl	99	mmol/L	105	119	=	
Osm Calc	317	mmol/kg			=	

03:55AM

 Diagnostic Request

Requested By: Taylor Tran, DVM
Supplier: Idexx IVLS

Reference: US746-DR3113
Status: None
 CBC/Lytes/Chem 17 package

05:22AM


 Diagnostic Result

Requested By: Taylor Tran, DVM
Supplier: Idexx IVLS
Reference: US746-DR3117
 SNAP Fecal Giardia **Outcome:**
 Analyzer: SNAP
 Analyzer Note:

Clinic Notes / Specifics:

Test	Results	Unit	Lowest Value	Highest Value	Qualifier	Notes
Giardia	Negative				=	

06:10AM

 Diagnostic Request

Requested By: Taylor Tran, DVM
Supplier: Idexx IVLS
Reference: US746-DR3117
Status: None
 SNAP Fecal Giardia

06:43AM

 Health Status

Weight(lb): 1.89
Temp(°F): 97.4
H.R.: 170
R.R.: 50
B.C.S: 2.0/9.0
MM: Pale Pink
Attitude: QAR
Respiratory Effort: Normal
Pulse Quality: Weak

06:46AM

 History

Taylor Tran, DVM

The patient presented at 2:15AM for lethargy and weight loss. The breeder monitors the puppies on a camera t/o the day and noticed that the patient was very dumpy today. Decreased appetite the past few days. The breeder has noticed weight loss over the past week. Some of the puppies had loose stools today. No vomiting. No history of parvo or distemper in the litter. The breeder does have a history of Giardia outbreaks when she lived in NC, however, no cases since moving to Roanoke.

07:11AM

 Physical Exam

Taylor Tran, DVM

Laterally recumbent and minimally responsive on presentation. MM pale/pink. CRT UTO. No heart murmur. Regular rhythm. Severe dehydration ~10-12%. Prominent skin turgor. Sunken eyes. Abdomen palpates

soft. Soft stool obtained on fecal loop.

Assessments

Taylor Tran, DVM

Severe dehydration
Elevated BUN, elevated Creat - r/o: pre-renal vs. renal (congenital disease?)
Emaciation
Soft stool

Plan

Taylor Tran, DVM

Parvo snap - NEGATIVE (tested twice)

BG: 122 mg/dL on arrival.

TTO: The patient is considered critical at this time. The patient is severely dehydrated and requires hospitalization/stabilization. Recommend full blood work + fecal +/- giardia testing. Discussed the patient's history in detail with the owner. Litter mates are showing NO signs of illness. The patient requires aggressive IVF therapy. The owner approved a 48-72 hour estimate. Discussed poor prognosis.

CBC: HCT: 36.6%, monocytosis 1.36 K, eosinophilia 3.51 K - intestinal parasites?, thrombocytosis 725 K
Chem17: Azotemia - Creat 1.3 mg/dL, BUN 119 mg/dL, hyperalbuminemia 4.2 g/dL, mild hypercholesterolemia 443 mg/dL

Lytes: mild hyponatremia 141 mmol/L, hypochloremia 99 mmol/L

Fecal: NOS

IVC placed. Administered a 10 ml IVF bolus of Norm R, then started the patient on IVF rate of 7 ml/hr. Attempted to obtain BP reading - unable to obtain (do not have a cuff size small enough).

5AM: T: 100.8. The patient will walk around in his kennel now, however, remains very weak.

Giardia snap - NEGATIVE.

6AM: Administered another 10 ml IVF bolus. Offered Recovery can food - the patient sniffed at the food but was NI.

7AM: The patient remains critical. Will consider abdominal U/S today for further work-up of the patient's azotemia.

Rounded case.

Taylor Tran, DVM

11am- T-97.2, P-150, R- 40. BG- 116

12pm- spoke to Dr. Herring. Recommend baseline cortisol in addition to ultrasound to rule out Addison's.
Baseline Cortisol- 9.6

Urinary Tract ultrasound:

May 21, 2020

Referring veterinarian: Dr. Maureen Noftsinger
Emergency Veterinary Services Of Roanoke, Inc.

5363 Peters Creek Road
Roanoke, Virginia
24019

Pet name: Spencer Stansberry

Date of Exam: 5/21/2020

Ultrasound Report

1. Liver: Normal lobar margins and echogenicity.
2. GB: The GB wall has a marked double-walled appearance and is on the high end of normal wall thickness to mildly thickened, 0.19 cm - 0.23 cm. The contents are anechoic.
3. Common Bile Duct: Normal thickness, 0.26 cm.
4. Stomach: Normal wall thickness with normal wall layering.
5. Pancreas: Normal thickness with normal architecture and echogenicity.
6. Spleen: Normal thickness, 0.46 cm, with normal contour and echogenicity.
7. Left Kidney: Normal length (3.54 cm). The cortex is hyperechoic and there is decreased corticomedullary distinction.
8. Left Renal Pelvis: Normal.
9. Left Adrenal: Normal architecture and width, 0.39 cm.
10. Bladder: Normal wall. Distended with anechoic contents. No masses or calculi noted.
11. Trigone: WNL
12. Aortic Trifurcation: WNL
13. Right Kidney: Normal length (3.53 cm). The cortex is hyperechoic and there is decreased corticomedullary distinction.
14. Right Renal Pelvis: Normal.
15. Right Adrenal: The area of the right adrenal is unremarkable.
16. Duodenum: Normal wall thickness with normal wall layering.
17. Jejunum: Normal wall thickness with normal wall layering.
18. Ileum/Ileocolic valve: Unremarkable.
19. Colon: Normal wall thickness with normal wall layering.
20. Lymph: Unremarkable.
21. Other: There is scant anechoic free fluid noted in the abdomen.
Assessments:
22. GB: The GB wall has a marked double-walled appearance and is on the high end of normal wall thickness to mildly thickened, 0.19 cm - 0.23 cm. The contents are anechoic. Rule out inflammation/infection (cholangitis), edema, neoplasia (such as lymphoma), other.
23. Kidneys: Left Kidney: Normal length (3.54 cm). The cortex is hyperechoic and there is decreased corticomedullary distinction. Right Kidney: Normal length (3.53 cm). The cortex is hyperechoic and there is decreased corticomedullary distinction. The changes in the kidneys are most consistent with chronic kidney disease.
24. Other: There is scant anechoic free fluid noted in the abdomen. Rule out overhydration, hypoalbuminemia, inflammation, infection, neoplasia, other.
Comments/Recommendations:
The changes in the kidneys are most consistent with chronic kidney disease. However, as the pet has been on antibiotics, changes that would have been consistent with pyelonephritis may have improved/resolved. Due to the active urine sediment and azotemia, recommend treatment with antibiotics for 6-8 weeks.

1:30pm- updated owner (see comm)

2:30pm- urinalysis (via cysto during ultrasound). Only was able to get a very small amount of urine (see results)

BP- Systolic varied 85, 117, 105

7pm- remained extremely depressed throughout the day

M. Noftsinger, DVM

CBC/Chem17/Lytes- Severe neutropenia noted. Mild improvement in BUN, CRE is normal at this time. Discussed results with owner. Advised that BG is also low at this time.

Will start Tube feeding- 5ml Q4 hours
Started Unsyn at 30mg/kg IV Q8 hours

Recheck BG at 10:00pm- 80.

11:30- Patient regurgitated the food that was tube fed. Very lethargic at this time.

5-22-2020

CBC- Neutropenia worsened- 0.31, No other significant changes in either direction, Still mildly anemic.
BG- 23mg/dL

Chemistry- BUN- 60, Glucose- 23, Mildly decreased Potassium.

Patient regurgitating the Tube feedings at this time. Will give him break this hour. Gave 0.5ml DExtrose diluted and given slowly IV.

7:00m- Spoke to owner- Discussed declining status and worsening neutropenia.

Owner elected humane euthanasia.

Will contact VMCVN for necropsy.

Gave 2.0ml Euthasol IV.

Emily Gallagher, DVM

08:42AM  Therapeutic / Procedure

Taylor Tran, DVM

08:43AM  Diagnostic Request

Requested By: Taylor Tran, DVM

Supplier: In House Lab

Reference: US746-DR3128

Status: None

Glucose Blood Test

 Diagnostic Request

Requested By: Taylor Tran, DVM

Supplier: In House Lab

Reference: US746-DR3129

Status: None

Fecal, Flotation

08:44AM  Diagnostic Result

Requested By: Taylor Tran, DVM

Supplier: In House Lab

Reference: US746-DR3129

Fecal, Flotation **Outcome:**

Clinic Notes / Specifics:

Test	Results	Unit	Lowest Value	Highest Value	Qualifier	Notes
Fecal Float	NOS					

10:30AM

 Client Communication

Maureen Noftsinger, DVM

Updated owner. Concerned about congenital renal abnormality since he has not had any known V/D. Discussed abdominal ultrasound and owner agrees.

11:00AM

 Diagnostic Result

Requested By: Maureen Noftsinger, DVM

Supplier: In House Lab

Reference: US746-DR3159

Glucose Blood Test **Outcome:**

Clinic Notes / Specifics:

Test	Results	Unit	Lowest Value	Highest Value	Qualifier	Notes
BG	116					

 Diagnostic Request

Requested By: Maureen Noftsinger, DVM

Supplier: In House Lab

Reference: US746-DR3159

Status: None

Glucose Blood Test

 Diagnostic Result

Requested By: Maureen Noftsinger, DVM

Supplier: In House Lab

Reference: US746-DR3158

Blood Pressure **Outcome:**

Clinic Notes / Specifics:

Test	Results	Unit	Lowest Value	Highest Value	Qualifier	Notes
BP	UTO					

 Diagnostic Request

Requested By: Maureen Noftsinger, DVM

Supplier: In House Lab

Reference: US746-DR3158

Status: None

Blood Pressure

12:25PM

 Diagnostic Result

Requested By: Taylor Tran, DVM

Supplier: Idexx IVLS

Reference: US746-DR3117

SNAP Fecal Giardia **Outcome:**

Analyzer: SNAPshot_Dx

Analyzer Note:

Clinic Notes / Specifics:

Test	Results	Unit	Lowest Value	Highest Value	Qualifier	Notes
CORT baseline cortisol	9.6	µg/dL			=	

01:02PM

 **Diagnostic Request**

Requested By: Taylor Tran, DVM
Supplier: Idexx IVLS
Reference: US746-DR3134
Status: None
 SNAP Cortisol

01:30PM

 **Client Communication**

Maureen Noftsinger, DVM

Updated owner on ultrasound findings. The kidneys appear grossly normal. This doesn't necessarily confirm that there is no underlying kidney issue but nothing abnormal noted. It could be the kidneys are just not functioning properly but have normal anatomy. Told her about running baseline cortisol and that we had ruled out Addison's disease. Plan to get urine and run that. Will call later for update. No significant improvement clinically.

02:00PM

 **Diagnostic Request**

Requested By: Maureen Noftsinger, DVM
Supplier: In House Lab
Reference: US746-DR3160
Status: None
 Blood Pressure

 **Diagnostic Result**

Requested By: Maureen Noftsinger, DVM
Supplier: In House Lab
Reference: US746-DR3160
 Blood Pressure **Outcome:**
 Cardell 1 cuff 85/68 (73) 117/99 (106) 105/85 (89)
Clinic Notes / Specifics:

02:33PM

 **Diagnostic Result**

Requested By: Taylor Tran, DVM
Supplier: Idexx IVLS
Reference: US746-DR3141
Outcome:
 Analyzer: UA_Analyzer
 Analyzer Note:

Clinic Notes / Specifics:

Test	Results	Unit	Lowest Value	Highest Value	Qualifier	Notes
Collec	Cystocentesis				=	
Color	Straw				=	
Clar	Clear				=	
SG	1.020				=	

02:35PM

 Diagnostic Result

Requested By: Taylor Tran, DVM

Supplier: Idexx IVLS

Reference: US746-DR3141

Outcome:

Analyzer: SediVue_Dx

Analyzer Note: Confirm bacteria with one of the following: Image review Air-dried, stained cytological preparation ('dry prep') Urine culture

Clinic Notes / Specifics:

Test	Results	Unit	Lowest Value	Highest Value	Qualifier	Notes
WBC	2	/HPF			=	
RBC	17	/HPF			=	
BACr	* None detected				*	
BACc	* Suspect presence				*	
sqEPI	None detected				=	
nsEPI	<1	/HPF			=	
HYA	None detected				=	
nhCST	None detected				=	
CRY	<1	/HPF			=	
CaOxDi	None detected				=	
STR	None detected				=	
BIURAT	None detected				=	
BILI	None detected				=	

03:34PM

 Diagnostic Request

Requested By: Taylor Tran, DVM

Supplier: Idexx IVLS

Reference: US746-DR3141

Status: None

Urinalysis

UA Sedivue

06:57PM

 Diagnostic Result

Requested By: Emily Gallagher, DVM

Supplier: Idexx IVLS

Reference: US746-DR3151

CBC/Lytes/Chem 17 package **Outcome:**

Analyzer: ProCyte_Dx

Analyzer Note: * Confirm with dot plot and/or blood film review. Immature and/or toxic neutrophils likely present - consider active inflammation Anemia without reticulocytosis-likely non-regenerative anemia; consider pre-regenerative anemia Lymphopenia-likely stress leukogram (glucocorticoid response) Monocytosis - consider inflammation (if lymphopenia, consider glucocorticoid response)


Clinic Notes / Specifics:

Test	Results	Unit	Lowest Value	Highest Value	Qualifier	Notes
RBC	4.57	M/ μ L	5.65	8.87	=	
HCT	30.1	%	37.3	61.7	=	
HGB	9.9	g/dL	13.1	20.5	=	
MCV	65.9	fL	61.6	73.5	=	
MCH	21.7	pg	21.2	25.9	=	
MCHC	32.9	g/dL	32.0	37.9	=	
RDW	18.1	%	13.6	21.7	=	
%RETIC	0.8	%			=	
RETIC	35.6	K/ μ L	10.0	110.0	=	
RETIC-HGB	22.3	pg	22.3	29.6	=	
WBC	2.71	K/ μ L	5.05	16.76	=	
%NEU	* 18.4	%			*	
%LYM	* 35.8	%			*	
%MONO	* 43.9	%			*	
%EOS	1.5	%			=	
%BASO	0.4	%			=	
NEU	* 0.50	K/ μ L	2.95	11.64	*	
BAND	* Suspected				*	
LYM	* 0.97	K/ μ L	1.05	5.10	*	
MONO	* 1.19	K/ μ L	0.16	1.12	*	
EOS	0.04	K/ μ L	0.06	1.23	=	
BASO	0.01	K/ μ L	0.00	0.10	=	
PLT	* 452	K/ μ L	148	484	*	
MPV	15.3	fL	8.7	13.2	=	
PDW	--	fL	9.1	19.4	-	
PCT	0.69	%	0.14	0.46	=	

07:00PM

 Diagnostic Request


Requested By: Maureen Noftsinger, DVM
Supplier: In House Lab
Reference: US746-DR3161
Status: None
 Blood Pressure

 Diagnostic Result

Requested By: Maureen Noftsinger, DVM
Supplier: In House Lab
Reference: US746-DR3161
 Blood Pressure **Outcome:**

Clinic Notes / Specifics:

Test	Results	Unit	Lowest Value	Highest Value	Qualifier	Notes
BP	UTO					

 Diagnostic Result

Requested By: Maureen Noftsinger, DVM
Supplier: In House Lab
Reference: US746-DR3162
 Glucose Blood Test **Outcome:**

Clinic Notes / Specifics:

Test	Results	Unit	Lowest Value	Highest Value	Qualifier	Notes
BG	64					

 Diagnostic Request

Requested By: Maureen Noftsinger, DVM
Supplier: In House Lab
Reference: US746-DR3162
Status: None
 Glucose Blood Test

07:05PM


 Diagnostic Result

Requested By: Emily Gallagher, DVM
Supplier: Idexx IVLS
Reference: US746-DR3151
 CBC/Lytes/Chem 17 package **Outcome:**
 Analyzer: Catalyst_One
 Analyzer Note:


Clinic Notes / Specifics:


Test	Results	Unit	Lowest Value	Highest Value	Qualifier	Notes
GLU	43	mg/dL	77	150	=	
CREA	0.8	mg/dL	0.3	1.2	=	
BUN	91	mg/dL	7	29	=	
BUN/CREA	119				=	
PHOS	6.9	mg/dL	5.1	10.4	=	
CA	7.5	mg/dL	7.8	12.6	=	
TP	5.9	g/dL	4.8	7.2	=	
ALB	3.2	g/dL	2.1	3.6	=	
GLOB	2.6	g/dL	2.3	3.8	=	
ALB/GLOB	1.2				=	
ALT	13	U/L	8	75	=	
ALKP	212	U/L	46	337	=	
GGT	0	U/L	0	2	=	
TBIL	0.3	mg/dL	0.0	0.8	=	
CHOL	375	mg/dL	100	400	=	
AMYL	458	U/L	300	1300	=	
LIPA	525	U/L	100	1500	=	
Na	150	mmol/L	145	157	=	
K	3.6	mmol/L	3.5	5.5	=	
Na/K	41				=	
Cl	109	mmol/L	105	119	=	
Osm Calc	321	mmol/kg			=	

07:45PM

 Diagnostic Request


Requested By: Emily Gallagher, DVM
Supplier: Idexx IVLS
Reference: US746-DR3151
Status: None
 CBC/Lytes/Chem 17 package


10:00PM  **Diagnostic Request**
Requested By: Emily Gallagher, DVM
Supplier: In House Lab
Reference: US746-DR3164
Status: None
 Glucose Blood Test

 **Diagnostic Result**
Requested By: Emily Gallagher, DVM
Supplier: In House Lab
Reference: US746-DR3164
 Glucose Blood Test **Outcome:**

Clinic Notes / Specifics:


Test	Results	Unit	Lowest Value	Highest Value	Qualifier	Notes
BG	80					

10:41PM  **Therapeutic / Procedure**
Maureen Noftsinger, DVM

 **Diagnostic Request**
Requested By: Maureen Noftsinger, DVM
Supplier: VVC
Reference: US746-DR3157
Status: None
 VVC Ultrasound


10:49PM  **Therapeutic / Procedure**
Emily Gallagher, DVM

Friday the 22nd of May 2020

12:00AM  **Diagnostic Result**
Requested By: Emily Gallagher, DVM
Supplier: In House Lab
Reference: US746-DR3184
 Glucose Blood Test **Outcome:**

Clinic Notes / Specifics:

Test	Results	Unit	Lowest Value	Highest Value	Qualifier	Notes
BG	78					

04:53AM  **Diagnostic Result**
Requested By: Emily Gallagher, DVM
Supplier: Idexx IVLS
Reference: US746-DR3179
 CBC/Lytes/Chem 17 package **Outcome:**
 Analyzer: ProCyte_Dx
 Analyzer Note: * Confirm with dot plot and/or blood film review. Immature and/or toxic neutrophils likely

present - consider active inflammation
 Anemia without reticulocytosis-likely non-regenerative anemia;
 consider pre-regenerative anemia
 Lymphopenia-likely stress leukogram (glucocorticoid response)
 Monocytosis - consider inflammation (if lymphopenia, consider glucocorticoid response)

Clinic Notes / Specifics:

Test	Results	Unit	Lowest Value	Highest Value	Qualifier	Notes
RBC	4.29	M/ μ L	5.65	8.87	=	
HCT	29.0	%	37.3	61.7	=	
HGB	9.2	g/dL	13.1	20.5	=	
MCV	67.6	fL	61.6	73.5	=	
MCH	21.4	pg	21.2	25.9	=	
MCHC	31.7	g/dL	32.0	37.9	=	
RDW	17.9	%	13.6	21.7	=	
%RETIC	0.7	%			=	
RETIC	27.9	K/ μ L	10.0	110.0	=	
RETIC-HGB	22.8	pg	22.3	29.6	=	
WBC	3.20	K/ μ L	5.05	16.76	=	
%NEU	* 9.7	%			*	
%LYM	* 32.5	%			*	
%MONO	* 56.9	%			*	
%EOS	0.9	%			=	
%BASO	0.0	%			=	
NEU	* 0.31	K/ μ L	2.95	11.64	*	
BAND	* Suspected				*	
LYM	* 1.04	K/ μ L	1.05	5.10	*	
MONO	* 1.82	K/ μ L	0.16	1.12	*	
EOS	0.03	K/ μ L	0.06	1.23	=	
BASO	0.00	K/ μ L	0.00	0.10	=	
PLT	* 514	K/ μ L	148	484	*	
MPV	15.1	fL	8.7	13.2	=	
PDW	--	fL	9.1	19.4	-	
PCT	0.78	%	0.14	0.46	=	

05:00AM

 Diagnostic Result

Requested By: Emily Gallagher, DVM

Supplier: In House Lab

Reference: US746-DR3185

Glucose Blood Test **Outcome:**

Clinic Notes / Specifics:

Test	Results	Unit	Lowest Value	Highest Value	Qualifier	Notes
BG	29					

05:09AM

 Diagnostic Result

Requested By: Emily Gallagher, DVM

Supplier: Idexx IVLS

Reference: US746-DR3179

CBC/Lytes/Chem 17 package **Outcome:**


Analyzer: Catalyst_One

Analyzer Note:

Clinic Notes / Specifics:


Test	Results	Unit	Lowest Value	Highest Value	Qualifier	Notes
GLU	21	mg/dL	77	150	=	
CREA	0.6	mg/dL	0.3	1.2	=	
BUN	60	mg/dL	7	29	=	
BUN/CREA	95				=	
PHOS	6.1	mg/dL	5.1	10.4	=	
CA	8.4	mg/dL	7.8	12.6	=	
TP	5.6	g/dL	4.8	7.2	=	
ALB	2.9	g/dL	2.1	3.6	=	
GLOB	2.7	g/dL	2.3	3.8	=	
ALB/GLOB	1.1				=	
ALT	13	U/L	8	75	=	
ALKP	238	U/L	46	337	=	
GGT	0	U/L	0	2	=	
TBIL	0.4	mg/dL	0.0	0.8	=	
CHOL	356	mg/dL	100	400	=	
AMYL	560	U/L	300	1300	=	
LIPA	474	U/L	100	1500	=	
Na	154	mmol/L	145	157	=	
K	3.4	mmol/L	3.5	5.5	=	
Na/K	46				=	
Cl	112	mmol/L	105	119	=	
Osm Calc	316	mmol/kg			=	

05:53AM


 Diagnostic Request**Requested By:** Emily Gallagher, DVM**Supplier:** Idexx IVLS**Reference:** US746-DR3179**Status:** None

CBC/Lytes/Chem 17 package

07:33AM

 Diagnostic Request**Requested By:** Emily Gallagher, DVM**Supplier:** In House Lab**Reference:** US746-DR3184**Status:** None

Glucose Blood Test

 Diagnostic Request**Requested By:** Emily Gallagher, DVM**Supplier:** In House Lab**Reference:** US746-DR3185**Status:** None

Glucose Blood Test

07:34AM

 Therapeutic / Procedure**Emily Gallagher, DVM**