

PET OWNER: HELPING HANDS

SPECIES:

Primate, Other

BREED:

MONKEY_CAPUCHIN

GENDER

Female

AGE: PATIENT ID: HELPING HANDS MONKEY HELPERS

541 CAMBRIDGE STREET BOSTON, MASS 02134

617-910-8109

ACCOUNT #: 53368

ATTENDING VET: sullivan

LABID:

2307276358

ORDER ID:

545

COLLECTION DATE: 10/7/21

DATE OF RECEIPT; 10/8/21

DATE OF RESULT:

10/8/21

IDEXX Services: Total Health™ Profile Select, SAMPLE/TEST INFO NEEDED

Hematology				
10/8/21 (Order Received) 10/8/21 11:03 AM (Last L	Jpdated)		10/17/19	11/8/18
TEST	RESULT	REFERENCE VALUE		
RBC	5.61	M/μL	5.54	5.75
Hematocrit	42.9	%	40.8	42.8
Hemoglobin	14.7	g/dL	14.3	15.0
MCV	.76	fL ,	74	74
MCH	26.2	pg	25.8	26.1
MCHC	34.3	g/dL	35.0	35.0
WBC	9.4	К/µL	7.2	5.7
% Neutrophils	68.3	%	63.2	48.2
% Lymphocytes	24.1	%	31.5	43.7
% Monocytes	6.8	%	4.6	6.0
% Eosinophils	: .eg. 1 0.1 1e9g - ag ee1		0.1	0.7
% Basophils	0.7	%	0.6	1.4
Neutrophils	6.42	K/μL	4.55	2.747
Lymphocytes	2.265	K/µL	2.268	2.747
Monocytes	0.639	K/µL	0.331	0.342
Eosinophils	0.009	K/µL	0.007	
Basophils	0.066	K/μL	0.007	0.04
Platelets	166	Κ⁄μL		0.08
Remarks		d microscopically.	408	473
	No parasites s		Slide rev	Slide rev
Chemistry	Į.		Y Turk	TLA.
announcement of the second of				

RESULT

162

REFERENCE VALUE

mg/dL

10/8/21 (Order Received)

TEST

Glucose

10/8/21 11:03 AM (Last Updated)

11/8/18

161

10/17/19

102



PET OWNER: HELPING HANDS

DATE OF RESULT: 10/8/21

LAB ID: 2307276358

Chemistry (continued)

- a No information is currently available on how to interpret SDMA in this species.
- b Index of N, 1+, 2+ exhibits no significant effect on chemistry values.
- C Index of N, 1+, 2+ exhibits no significant effect on chemistry values.

Other



10/8/21 (Order Received) 10/8/21 11:03 AM (Last Updated)

TEST

RESULT

More Information Needed The test(s) you have requested include species specific testing. All non species specific testing has been run. Please call Reference Laboratory Customer Support at 1-888-433-9987 to advise them of any further testing needed. Thank you.



PET OWNER: HELPING HANDS

SPECIES: BREED:

Primate, Other

GENDER:

MONKEY_CAPUCHIN

AGE:

Unknown 32 Years

PATIENTID:

HELPING HANDS MONKEY HELPERS

541 CAMBRIDGE STREET BOSTON, MASS 02134

617-910-8109

ACCOUNT# 53368

ATTENDING VET: SULLIVAN

LABID.

2304360571

ORDER ID:

488 COLLECTION DATE: 5/12/21

DATE OF RECEIPT: 5/13/21

DATE OF RESULT: 5/13/21

IDEXX Services: Total Health™ Profile Select, SAMPLE/TEST INFO NEEDED

Hematology



5/13/21 (Order Received) 5/13/21 8:14 AM (Last Updated)

TEST	RESULT	REFERENCE VALUE
RBC	5.97	M/μL
Hematocrit	43.6	%
Hemoglobin	15.2	g/dL
MCV	73	fL
МСН	25.5	pg
MCHC	34.9	g/dL
WBC	5.5	K/µL
% Neutrophils	66.0	%
% Lymphocytes	22.0	%
% Monocytes	10.0	%
% Eosinophils	1.0	%
% Basophils	1.0	%
Neutrophils	3.63	K/µL
Lymphocytes	1.21	K/µL
Monocytes	0.55	K/µL
Eosinophils	0.055	K/µL
Basophils	0.055	K/µL
Platelets	448	K/µL
Remarks	Slide reviewe No parasites	d microscopically. seen

Chemistry



5/13/21 (Order Received) 5/13/21 8:14 AM (Last Updated)

TEST

RESULT

REFERENCE VALUE

Glucose

131

mg/dL





PET OWNER: HELPING HANDS

DATE OF RESULT: 5/13/21

LASID: 2304360571

Chemistry (continued)

TEST	RESULT a _	REFERENCE VALUE
IDEXX SDMA	^a 5	μg/dL
Creatinine	0.6	mg/dL
BUN	11	mg/dL
BUN: Creatinine Ratio	18.3	
Phosphorus	4.7	mg/dL
Calcium	9.7	mg/dL
Sodium	147	mmol/L
Potassium	4.8	mmol/L
Na: K Ratio	31	
Chloride	115	mmol/L
TCO2 (Bicarbonate)	14	mmol/L
Anion Gap	23	mmol/L
Total Protein	8.2	g/dL_
Albumin	4.7	g/dL_
Globulin	3.5	g/dL
Albumin: Globulin Ratio	1.3	
ALT	184	U/L
AST	142	U/L
ALP	83	U/L
GGT	^b 155	U/L
3ilirubin - Total	0.1	mg/dL
Bilirubin - Jnconjugated	0.0	mg/dL
Bilirubin - Conjugated	<0.1	mg/dL
Cholesterol	143	mg/dL
Amylase	160	U/L
ipase	26	U/L
reatine Kinase	293	U/L
lemolysis Index	c N	
ipemia Index	d N	



Angell Animal Medical Cen

Naomi Ford DVM, DACVR 350 South Huntington Ave , Boston, MA

Phone: 617-522-7282

Email: nford@mspca.org

Report Date: Wednesday, May 12, 2021 2:18 PM

Patient

Name: Owner: Allie

Helping Hands,

ID: Species: 1463826 E Mammal

Breed: Gender: Monkey

Age: Weight: Female Spayed 32 years

2.42

Imaging Details

Wednesday, May 12, 2021 11:05 AM

Digital Radiography

Referring Practice

Patrick Sullivan Angell West

Patient Clinical History

History:

Firm, bony projection from caudal aspect of the sternal noticed 2 weeks ago. Thoracic radiographs 1101840

Report of Imaging Findings

Interpretation:

Orthogonal thoracoabdominal radiographs are available for review.

FINDINGS: No abnormalities of thorax are identified. No abnormalities of the sternum are appreciated though the costal cartilages are somewhat protruding ventrally. The patient as a cachectic body condition. Serosal detail is limited and viscera is crowded, no definitive abnormalities are identified.

CONCLUSIONS: The reported bony prominence may just be the costal arch is the patient has a cachectic body condition which may exacerbate this. No other definitive abnormalities are identified.

Image Comments

No image comments.

Addendums

No addendums.

Naomi Ford DVM, DACVR

Naoni Ford

Angell Animal Medical Center



PET OWNER HELPING HANDS

SPECIES: Prima

Primate, Other MONKEY_CAPUCHIN

GENDER: Female

AGE. PATIENT ID: HELPING HANDS MONKEY HELPERS

541 CAMBRIDGE STREET BOSTON, MASS 02134 617-910-8109

ACCOUNT #; 53368
ATTENDING VET: SULLIVAN

LASID:

2304000197

ORDER ID: 26

COLLECTION DATE: 10/16/19 DATE OF RECEIPT: 10/17/19

DATE OF RESULT: 10/17/19

IDEXX Services: Total Health™ Profile Select

Hematology				Į.
10/17/19 (Order Receive 10/17/19 3:34 AM (Last	d) t Updated)		11/8/18	9/6/17
TEST	RESULT	REFERENCE VALUE		
RBC	5.54	M/µL	5.75	5.82
Hematocrit	40.8	%	42.8	46.2
Hemoglobin	14.3	g/dL	15.0	14.7
MCV	74	fL	74	79
MCH	25.8	pg	26.1	25.3
MCHC	35.0	g/dL	35.0	31.8
WBC	7.2	K/µL	5.7	3.5
% Neutrophils	63.2	%	48.2	62.0
% Lymphocytes	31.5	%	43.7	
% Monocytes	4.6	%	6.0	31.0
% Eosinophils	0.1	%	0.7	5.0
% Basophils	0.6	%	1.4	2.0
Neutrophils	4.55	K/µL		0.0
Lymphocytes	2.268	K/µL	2.747 2.491	2.17
Monocytes	0.331	K/μL		1.085
Eosinophils	0.007	K/µL	0.342	0.175
Basophils	0.043	Κ/μL	0.04	0.07
Platelets	408	K/μL	0.08	0
Remarks	Slide reviewe	d microscopically.	473	425
	No parasites	seen	Slide rev	SLIDE REV
Chemistry	*			
10/17/19 (Order Received) 10/17/19 3:34 AM (Last U	Jpdated)		11/8/18	9/6/17
TEST	RESULT	RÉFERENCE VALUE	,	
Chicago				

102

mg/dL

Glucose

140

161



Chemistry (co	ontinued)			
***************************************			• • • • • • • • • • • • • • • • • • • •	***************************************
IDEXX SDMA	RESULT a 5	REFERENCE VALUE		
Creatinine		μg/dL	5	4
BUN	0.5	mg/dL	0.5	0.5
BUN: Creatinine Ratio	14 28.0	mg/dL	10 20.0	17 34.0
Phosphorus	3.6	mg/dL	4.7	5.2
Calcium	9.5	mg/dL	9.2	9.1
Sodium	146	mmol/L	143	144
Potassium	4.4	mmol/L	4.1	
Na: K Ratio	33		35	3.6
Chloride	112	mmol/L		40
TCO2 (Bicarbonate)	21	mmol/L	110 12	114 11
Anion Gap	17	mmol/L	25	23
Total Protein	8.1	g/dL	8.2	7.4
Albumin	4.8	g/dL	4.8	4.3
Globulin	3.3	g/dL	3.4	3.1
Albumin: Globulin Ratio	1.5		1.4	1.4
ALT	80	U/L	142	82
AST	41	U/L	71	55
LP	75	U/L	72	79
€GT	^b 90	U/L	77	79
Bilirubin - Total	0.1	mg/dL	0.1	0.1
Bilirubin - Jnconjugated	0.0	mg/dL	0.0	0.0
Bilirubin - Conjugated	<0.1	mg/dL	< 0.1	0.1
Cholesterol	192	mg/dL	169	125
mylase	209	U/L	216	196
ipase	20	U/L	16	15
reatine Kinase	407	U/L	160	571
emolysis Index	c N		N	1+
ipemia Index	d N		1.4	1 '



PET OWNER: HELPING HANDS

Female

SPECIES: F

Primate, Other

BREED:

MONKEY_CAPUCHIN

GENDER: AGE:

PATIENT ID:

HELPING HANDS MONKEY HELPERS

541 CAMBRIDGE STREET BOSTON, MASS 02134

617-910-8109

ACCOUNT #: 53368
ATTENDING VET: POLING

LAB ID:

2303136807

ORDER ID:

COLLECTION DATE: 11/7/18

DATE OF RECEIPT: 11/8/18

DATE OF RESULT: 11/8/18

IDEXX Services: Total Health™ Profile Select, SEND TO/FAX TO REQUEST

Hematology			
11/8/18 (Order Received) 11/8/18 5:00 AM (Last U	pdated)		9/6/17
TEST	RESULT	REFERENCE VALUE	
RBC	5.75	M/μL	5.82
Hematocrit	42.8	%	46.2
Hemoglobin	15.0	g/dL	14.7
MCV	74	fL	79
MCH	26.1	pg	25.3
MCHC	35.0	g/dL	31.8
WBC	5.7	K/µL	3.5
% Neutrophils	48.2	%	62.0
% Lymphocytes	43.7	%	31.0
% Monocytes	6.0	%	5.0
% Eosinophils	0.7	%	2.0
% Basophils	1.4	· %	0.0
Neutrophils	2.747	K/µL	2.17
Lymphocytes	2.491	K/μL	1.085
Monocytes	0.342	K/µL	0.175
Eosinophils	0.04	K/μL	0.07
Basophils	80.0	К/µL	0
Platelets	473	K/µL	425
Remarks	Slide reviewe	d microscopically.	SLIDE REV
	No parasites	seen	
Oh! - 4	T.		Пъ
Chemistry			
11/8/18 (Order Received) 11/8/18 5:00 AM (Last U	pdated)		9/6/17
TEST	RESULT	REFERENCE VALUE	
Glucose	161	mg/dL	140



PET OWNER: **HELPING HANDS**

DATE OF RESULT: 11/8/18

LAB ID: 2303136807

Chemistry	(continued)
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TEST	RESULT	REFERENCE VALUE		
IDEXX SDMA	^a 5	μg/dL		4
Creatinine	0.5	mg/dL		0.5
BUN	10	mg/dL		17
BUN: Creatinine Ratio	20.0			34.0
Phosphorus	4.7	mg/dL		5.2
Calcium	9.2	mg/dL		9.1
Sodium	143	mmol/L		144
Potassium	4.1	mmol/L		3.6
Na: K Ratio	35			40
Chloride	110	mmol/L		114
TCO2 (Bicarbonate)	12	mmol/L		11
Anion Gap	25	mmol/L		23
Total Protein	8.2	g/dL		7.4
Albumin	4.8	g/dL		4.3
Globulin	3.4	g/dL		3.1
Albumin: Globulin Ratio	1.4			1.4
ALT	142	U/L ··		82
AST	71	U/L		55
ALP	72	U/L		79
GGT	b 77	U/L		79
Bilirubin - Total	0.1	mg/dL		0.1
Bilirubin - Unconjugated	0.0	mg/dL		0.0
Bilirubin - Conjugated	<0.1	mg/dL		0.1
Cholesterol	169	mg/dL		125
Amylase	216	U/L		196
Lipase	16	U/L		15
Creatine Kinase	160	U/L		571
Hemolysis Index	c N			1+ 1
_ipemia Index	d N			N



PET OWNER: HELPING HANDS SPECIES: Primate, Other

BREED:

GENDER:

Female

AGE:

PATIENT ID:

HELPING HANDS MONKEY HELPERS

541 CAMBRIDGE STREET

617-910-8109

ACCOUNT #: 53368 ATTENDING VET: POLING LAB ID:

2301061210

ORDER ID:

COLLECTION DATE: 9/5/17 DATE OF RECEIPT: 9/6/17

DATE OF RESULT: 9/6/17

IDEXX Services: **Total Health™**

Hematology



9/6/17 (Order Received) **9/6/17 5:53 AM** (Last Updated)

TEST	RESULT_	REFERENCE VALUE
RBC -	5.82	M/µL
Hematocrit .	46.2	%
Hemoglobin	14.7	g/dL
MCV	79	fL.
MCH	25.3	pg
MCHC	31.8	g/dL
WBC	3.5	K/µL
% Neutrophil	62.0	%
% Lymphocyte	31.0	%
% Monocyte	5.0	%
% Eosinophil	2.0	%
% Basophil	0.0	%
Neutrophil	2.17	K/μL
Lymphocyte	1.085	K/μL
Monocyte	0.175	K/μL
Eosinophil	0.07	K/µL
Basophil	0	K/µL
Platelet	425	K/µL
Remarks	SLIDE REVIEWED MICRO NO PARASITES SEEN	SCOPICALLY.

Chemistry



9/6/17 (Order Received) 9/6/17 5:53 AM (Last Updated)

TEST

RESULT

REFERENCE VALUE

Glucose

140

mg/dL



PET OWNER: HELPING HANDS

DATE OF RESULT: 9/6/17

LAB ID: 2301061210

Chemistry (continued)

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	TEST	а	RESULT	REFERENCE VALUE	
	IDEXX SDMA	_	4	μg/dL	
•	Creatinine		0.5	mg/dL	
	BUN		17	mg/dL	
	BUN:Creatinine Ratio	£*	34.0		
	Phosphorus		5.2	mg/dL	
	Calcium		9.1	mg/dL	
	Sodium		144	mmol/L	
نفت	Potassium		3.6	mmol/L	
	Na:K Ratio		40		
	Chloride		114	mmol/L	
300	JCO2 (Bicarbonate)		11	mmol/L	
	Anion Gap		23	mmol/L	
	Total Protein		7.4	g/dL	
	Albumin		4.3	g/dL	
100	Coven		3.1	g/dL	
arth.	Alb Glob Ratio		1.4		
	ALT		82	U/L	
	AST		55	U/L	
	ALP		79	U/L	
	GGT	b	79	U/L	
	Bilirubin - Total		0.1	mg/dL	
	Bilirubin - Unconjugated		0.0	mg/dL	
	Bilirubin - Conjugated		0.1	mg/dL	
	Cholesterol		125	mg/dL	÷
	Amylase		196	U/L	
	Lipase		15	U/L	
	Creatine Kinase		571	U/L	
	Hemolysis Index	С	1+		
	Lipemia Index	d	N		~

 $^{{\}tt a}$ SDMA is a new kidney test for dogs and cats. No information is currently available on how to interpret SDMA in other species.



Helping Hands Monkey for Disabled ANTECH Acct No. 180126

Doctor POLING

Accession No. NYAV00174986 Received 05/22/2016 Reported 05/22/2016 06:25 AM

Chart#

Pet Age

Owner Pet Name **Species** Breed Sex HELPING HANDS ALLIE Primate Capuchin SE

Superchem						N	
Tests Total Protein Albumin Globulin A/G Ratio AST (SGOT) ALT (SGPT) Alk Phosphatase GGTP Result verified. Total Bilirubin	Results 7.7 (HIGH) 4.5 (HIGH) 3.2 1.4 (HIGH) 85 155 (HIGH) 77 (LOW) 97 (HIGH)	Ref. Range 5.0-7.0 2.4-3.3 2.0-4.0 0.5-1.0 10-100 10-100 100-250 1-25	Units g/dL g/dL g/dL Ratio U/L U/L U/L U/L	Complete Blood Cou Tests WBC RBC Hemoglobin Hematocrit MCV MCH MCH Blood Parasites RBC Comment	Results 6.0 (LOW) 5.4 (LOW) 13.8 (LOW) 43 80 25.6 32.1 None Seen	Ref. Range 8.0-16.0 5.50-8.50 14.5-17.0 38.0-50.0 65-80 23.0-26.0 32.0-35.0	Units 10 ³ /µL 10 ⁶ /µL g/dL % fL pg g/dL
Jrea Nitrogen Creatinine BUN/Creatinine Ratio Phosphorus Glucose Calcium Magnesium Potassium Indiana Ratio Chloride Chlo	0.1 10 0.4 25 5.4 102 9.0 2.1 148 4.1 36 113 185 66 204 (LOW)	0.0-1.0 10-22 0.1-2.0 3.0-5.5 70-120 7.2-11.5 138-150 3.5-5.5 109-115 100-200 28-109 1000-2500	mg/dL mg/dL mg/dL Ratio mg/dL mg/dL mEq/L mEq/L mg/dL mg/dL u/L U/L	RBC Morphology N Platelet Count Platelet EST Differential Neutrophils (LOW) Bands Lymphocytes Monocytes Eosinophils Basophils Comment Blood smear reviews	358 Adequate Absolute 2820 0 2400 360 420 0	% 47 4800-12000 0 40 1600-4800 6 0-480 7 80-800 0 gist.	10 ³ /µL /uL /uL /uL /uL /uL

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1-888-433-9987

Click the RED BANNER on

VetConnect.com for a new view

HOLLISTON ANIMAL HOSPITAL 13 EXCHANGE ST HOLLISTON, MA 01746

508-429-8899

Account: 84284

Owner: Patient: HELPING HANDS ALLIE

Patient: Species: Breed:

PRIMATE OTHER SMALL

Ags: Gender:

F

Requisition #: 17035 Accession #: R5500511 Order recv'd: 06/01/2015

Ordered by: POLING, DVM, RODNEY

Reported: 06/01/2015

Test	Result	Reference Range	Flag	Bar Graph
ALP	76	- U/L		
ALT	118	- U/L		
AST	71	- U/L		
CREATINE KINASE	298	- U/L		411.
GGT	120	- U/L		
	RESULT VERIFIE	D BY REPEAT ANALYSIS		
AMYLASE	207	- U/L		
LIPASE	16	- U/L		
ALBUMIN	5.1	- g/dL		-
TOTAL PROTEIN	8.4	- g/dL		F
GLOBULIN	3.3	- g/dL	"	
TOTAL BILIRUBIN	0.1	- mg/dL		•
BILIRUBIN - CONJUGATED	0.0	- mg/dL		
BUN	22	- mg/dL		
CREATININE	0.7	- mg/dL		
CHOLESTEROL	190	- mg/dL		
GLUCOSE	193	- mg/dL	High-	diet? Enry
CALCIUM	10.6	- mg/dL		dias
PHOSPHORUS	6.0	- mg/dL		
TCO2 (BICARBONATE)	8	- mmol/L		
CHLORIDE	112	- mmol/L		
POTASSIUM	5.2	- mmol/L		,
SODIUM	147	- mmol/L		
ALB/GLOB RATIO	1.5			
BUN/CREATININE RATIO	31.4			
BILIRUBIN - UNCONJUGATED	0.1	- mg/dL	-	4)
NA/K RATIO	28			
HEMOLYSIS INDEX	+		<u> </u>	
IPEMIA INDEX	N	***	· · · · · · · · · · · · · · · · · · ·	
ANION GAP	32	- mmol/L		
	The first contract of the cont		1	1

HELPING HANDS, ALLIE 06/01/2015

FINAL REPORT - CONTINUED ON NEXT PAGE PAGE 1

Comments:

Please note: canine and feline reference intervals for calcium have been updated to reflect current IDEXX testing.

TOTAL HEALTH	CBC COMPREHENSIVE			
Test	Result	Reference Range	Flag	Bar Graph
WBC	6.3	- K/uL		······································
RBC	6.04	- M/uL		
HGB	15.4	- g/dL		
НСТ	48.1	- %		
MCV	80	- fL		
MCH	25,5	- pg		
MCHC	32.0	- g/dL		
% NEUTROPHIL	60.0	- %		
% LYMPHOCYTE	35.0	- %		
% MONOCYTE	4.0	- %		
% EOSINOPHIL	1.0	- %		***************************************
% BASOPHIL	0.0	- %		
AUTO PLATELET	392	- K/uL		,
REMARKS	SLIDE REVIEWED	MICROSCOPICALLY.		
	PLATELETS APPE	EAR ADEQUATE ON THE I	BLOOD FI	LM.
NEUTROPHIL	3780	- /uL		
LYMPHOCYTE	2205	- /uL		
MONOCYTE	252	- /uL		
EOSINOPHIL	63	- /uL		
BASOPHIL	0	- /uL		

HELPING HANDS, ALLIE 06/01/2015

FINAL REPORT

PAGE 2 OF 2



Helping Hands Monkey for Disabled ANTECH Acct No. 180126

Doctor POLING

Accession No. NYAC56983957 Received 04/12/2015 Reported 04/12/2015 07:26 AM

Owner HELPING HANDS

Pet Name ALLIE Species Breed
Primate(
Monkey)

Sex SF Pet Age Chart# N/A N

Superchem				CBC			
Tests	Results	Ref. Range	Units	Tests	Results	Ref. Range	Units
Total Protein	7.8	7.8-9.6	g/dL	WBC	6.0	5.5-19.0	10 ³ /μL
Albumin	4.8	3.1-5.3	g/dL	RBC	5.5	4.90-6.20	10 ⁶ /µL
Globulin	3.0		g/dL	Hemoglobin	14.1 (HIGH)	10.7-14.0	g/dL
A/G Ratio	1.6		Ratio	Hematocrit	46 (HIGH)	34.0-43.0	%
AST (SGOT)	84 (HIGH)	14-30	U/L	MCV	84	0 110 1010	fL
ALT (SGPT)	159 (HIGH)	0-82	U/L	MCH	25.6		pg
Alk Phosphatase	69 (LOW)	100-277	U/L	MCHC	30.7		g/dL
GGTP	111		U/L	Blood Parasites	None Seen		gran
Result verified.				Platelet Count	342		10 ³ /μL
Total Bilirubin	0.1	0-3.7	mg/dL	Platelet EST	Adequate		10 /μΕ
Urea Nitrogen	19	8-20	mg/dL	Differential		%	
Creatinine	0.5 (LOW)	0.8-2.3	mg/dL	Neutrophils		46	/uL
BUN/Creatinine Ratio	38 ` ′		Ratio	Bands)	/uL
Phosphorus	5.0	3.5-6.5	mg/dL	Lymphocytes	-	2 46	/uL
Glucose	120	84-131	mg/dL	Monocytes		3	/uL
Calcium	9.0	9.0-11.8	mg/dL	Eosinophils		4	/uL
Magnesium	2.1		mEq/L	Basophils		1	/uL
Sodium	148	142-160	mEg/L		00		,uL
Potassium	3.7 (LOW)	4.1-5.3	m Eq/L				
Na/K Ratio	40		•				
Chloride	114 (HIGH)	97-113	m Eq/L				
Cholesterol	172	97-186	mg/dL				
Friglycerides	83		mg/dL				
Amylase	231		U/Ľ				
Lipase	.28		U/L				
CPK	717		U/L				
Comment							
Hemolysis 1+ No si	gnificant interfere	ence.					
	-						
				1			



Helping Hands Monkey for Disabled ANTECH Acct No. 180126

Pet Name

ALLIE

Doctor POLING

HELPING HANDS

Owner

Accession No. NYAC24942435 Received 04/27/2014 Reported 04/27/2014 06:36 AM

Species Breed Sex Pet Age Chart# Primate(Monkey) SF N/A

Superchem				CBC			
Tests	Results	Ref. Range	Units	Tests	Results	Ref. Range	Units
Total Protein	7.6 (LOW)	7.8-9.6	g/dL	WBC	5.0 (LOW)	5.5-19.0	10³/μl
Albumin	4.4	3.1-5.3	g/dL	RBC	5.4	4.90-6.20	10º/µL
Globulin	3.2		g/dL	Hemoglobin	13.4	10.7-14.0	g/dL
A/G Ratio	1.4		Ratio	Hematocrit	41	34.0-43.0	%
AST (SGOT)	96 (HIGH)	14-30	U/L	MCV	76	04.0-40.0	fL
ALT (SGPT)	95 (HIGH)	0-82	U/L	MCH	24.8		pg
Alk Phosphatase	59 (LOW)	100-277	U/L	мснс	32.7		g/dL
GGTP .	103		U/L	Blood Parasites	None Seen		9/4∟
Result verified.				Platelet Count	348		10³/μL
Total Bilirubin	0.1	0-3.7	mg/dL	Platelet EST	Adequate		10-/μι
Jrea Nitrogen	20	8-20	mg/dL	Differential	Absolute	%	
Creatinine	0.6 (LOW)	0.8-2.3	mg/dL	Neutrophils	3100	62	/uL
BUN/Creatinine Ratio	33		Ratio	Bands	0	0	/uL
Phosphorus	4.3	3.5-6.5	mg/dL	Lymphocytes	1300	26	/uL
Glucose	109	84-131	mg/dL	Monocytes	222	6	/uL
Calcium	9.2	9.0-11.8	mg/dL	Eosinophils	200	4	/uL
Magnesium	2.0		mEq/L	Basophils	100	2	/uL
Sodium	148	142-160	mEq/L	Dasopinio	100	۷	/uL
Potassium	3.7 (LOW)	4.1-5.3	mEq/L	Ĭ			
Va/K Ratio	40 ` <i>′</i>			i			
Chloride	113	97-113	mEq/L				
Cholesterol	179	97–186	mg/dL				
Trialycerides	69		mg/dL				
Amylase	214	•	U/L				
_ipase	24		U/L				
CPK	514		U/L				



Helping Hands Monkey for Disabled ANTECH Acct No. 180126

Doctor POLING

Accession No. NYAB88124308 Received 04/21/2013 Reported 04/21/2013 07:13 AM

Owner	Pet Name	Species Breed	Sex	Pet Age	Chart#
HELPING HANDS	ALLIE	Primate(Monkey)	SF	N/A	

Superchem				CBC.			
Tests	Results	Ref. Range	Units	Tests	Results	Ref. Range	Units
Total Protein	7.9	7.8-9.6	g/dL	WBC	5.4 (LOW)	5.5-19.0	10³/μL
Albumin	4.8	3.1-5.3	g/dL	RBC	5.89	4.90-6.20	10°/µL
Globulin	3.1		g/dL	Hemoglobin	15.0 (HIGH)	10.7-14.0	g/dL
A/G Ratio	1.5		Ratio	Hematocrit	47.0 (HIGH)	34.0-43.0	%
AST (SGOT)	145 (HIGH)	14-30	U/L	MCV	80 ` .		fL
ALT (SGPT)	164 (HIGH)	0-82	U/L	MCH	25.5	•	pg
Alk Phosphatase	63 (LOW)	100-277	U/L	MCHC	31.9		g/dL
GGTP	119		U/L	Blood Parasites	None Seen		J
Result verified.				Platelet Count	350		10³/μL
Total Bilirubin	0.1	0-3.7	mg/dL	Platelet EST	Adequate		,
Urea Nitrogen	13	8-20	mg/dL	Differential	Absolute 9	%	
Creatinine	0.7 (LOW)	0.8-2.3	mg/dL	Neutrophils	2322	13	/uL
BUN/Creatinine Ratio	19		Ratio	Bands	0 . 0		/uL
Phosphorus	6.2	3.5-6.5	mg/dL	Lymphocytes	2268 4	12	/uL
Glucose	192 (HIGH)	84-131	mg/dL	Monocytes	486 9)	/uL
Calcium	10.0	9.0-11,8	mg/dL	Eosinophils	216	ļ	/uL
Magnesium	2.7		mEg/L	Basophils	108 2	2	/uL
Sodium	144	142-160	mEq/L	· '			•
Potassium	4.1	4.1-5.3	mEq/L				
Na/K Ratio	35						•
Chloride	116 (HIGH)	97-113	mEq/L				
Cholesterol	165	97-186	mg/dL				
Triglycerides	73		mg/dL				
Amylase	207		U/L				
Lipase	21		U/L	Į.			
CPK	802		U/L	1			
Comment							
Hemolysis 1+ No sigr	nificant interfere	nce.					
•							



Helping Hands Monkey for Disabled ANTECH Acct No. 180126

Accession No. NYAB51539892 Received 04/15/2012 Reported 04/15/2012 06:12 AM

Doctor POLING

Owner **HELPING HANDS** Pet Name ALLIE

Species Breed Primate(Monkey)

Sex SF

Pet Age Chart# 23Y

Tests	Results	Ref. Range	Units	Tests	Results	Ref. Range	Units
Total Protein	8.0	7.8-9.6	g/dL	WBC	6.4	5.5–19.0	10³/µL
Albumin	4.9	3.1-5.3	g/dL	RBC	6.16	4.90-6.20	10°/µL
Globulin	3.1		g/dL	Hemoglobin	15.9 (HIGH)	10.7-14.0	g/dL
Albumin/Globulin Ratio	1.6		Ratio	Hematocrit	51.5 (HIGH)		%
AST (SGOT)	71 (HIGH)	14-30	U/L	MCV	84	·	fL
ALT (SGPT)	208 (HIGH)	0-82	U/L	MCH	25.8		pg
Alk Phosphatase	97 (LOW)	100-277	U/L	MCHC	30.9		g/dL
GGTP	144		U/L	Blood Parasites	None Seen		3,
Total Bilirubin	0.1	0-3.7	mg/dL	Platelet Count	290		10³/µL
Urea Nitrogen	13	8–20	mg/dL	Platelet EST	Adequate		,
Creatinine	0.6 (LOW)	0.8-2.3	mg/dL	Differential	Absolute	%	
BUN/Creatinine Ratio	22		Ratio	Neutrophils	3456	54	/uL
Phosphorus	5.5	3.5-6.5	mg/dL	Bands	0	0	/uL
Glucose	173 (HIGH)	84-131	mg/dL	Lymphocytes	2560	40	/uL
Calcium	9.8	9.0-11.8	mg/dL	Monocytes	256	4	/uL
Magnesium	2.2		mEq/L	Eosinophils	128	2	/uL
Sodium	150	142-160	mEq/L	Basophils	0	0	/uL
Potassium	4.7	4.1-5.3	mEq/L	1			
Na/K Ratio	32						
Chloride	114 (HIGH)	97-113	mEq/L				
Cholesterol	145	97–186	mg/dL				
Triglycerides	156		mg/dL				
Amylase	307		U/L	1			
Lipase	31		U/L				
CPK	120		U/L				
Comment							
Hemolysis 1+ No sig	nificant interfere	nce.					



Helping Hands Monkey for Disabled ANTECH Acct No. 180126

Doctor GRAHAM

Owner

Pet Name Species Breed

Accession No. **NYAB29529167** Received 08/21/2011 Reported 08/21/2011 06:31 AM

Sex Pet Age Chart#

Superchem				CBC			
Tests Total Protein Albumin Globulin Albumin/Globulin Ratio AST (SGOT) ALT (SGPT) Alk Phosphatase GGTP Total Bilirubin Urea Nitrogen Creatinine BUN/Creatinine Ratio Phosphorus Glucose Calcium Magnesium Sodium Potassium Na/K Ratio Chloride Cholesterol Triglycerides Amylase Lipase CPK Comment	Results 8.5 4.9 3.6 1.4 56 (HIGH) 111 (HIGH) 100 101 0.1 25 (HIGH) 0.6 (LOW) 42 17.2 (HIGH) 10.2 3.3 153 6.1 (HIGH) 25 105 196 (HIGH) 161 322 40 566	Ref. Range 7.8–9.6 3.1–5.3 14–30 0–82 100–277 0–3.7 8–20 0.8–2.3 3.5–6.5 84–131 9.0–11.8 142–160 4.1–5.3 97–113 97–186	Units g/dL g/dL g/dL Ratio U/L U/L U/L U/L mg/dL mg/dL Ratio mg/dL mg/dL mg/dL mg/dL mg/dL mEq/L mEq/L mg/dL u/L U/L U/L U/L	Tests WBC RBC Hemoglobin Hematocrit MCV MCH MCHC Blood Parasites Platelet Count Platelet EST Differential Neutrophils Bands Lymphocytes Monocytes Eosinophils Basophils	Results 9.0 6.18 15.8 (HIGH) 52.0 (HIGH) 84 25.6 30.4 None Seen 291 Adequate Absolute 3600 4770 5360 4770 360 270 3 0 0)	Units 103/µL 105/µL 9/dL % fL pg g/dL 103/µL
AST may be lower the Abnormal.	an reported due	to a Hemolysis 3	+ but is still	C	Jet i	38/13	

ANTECH DIAGNOSTICS

1111 Marcus Avenue Lake Success NY 11042 Phone: 800-872-1001

Helping Hands Monkey for Disabled

541 Cambridge St Boston, MA 02134

Tel: 617–787–4419 Fax: 617–787–5665

Page 1

Client # 180126

Chart #

07/01/2010 06:29 AM

Accession No. NYAA93129440	Doctor GRAHAM		Owner HELPING HAND	s	Pet Name ALLIE		ceived 01/2010
Species Primate(Monkey)	Breed		Sex SF		Pet Age 21Y		oorted 01/2010 06:29 AM
Test Requested		Res	sults		Reference Ran	ge	Units
SUPERCHEM							
Total Protein		8.3			7.8-9.6		g/dL
Albumin		4.9			3.1-5.3		g/DL
Globulin		3.4					g/dL
Albumin/Globi	ulin Ratio	1.4					RATIO
AST (SGOT)			(HIGH)		14-30		U/L
ALT (SGPT)	_		(HIGH)		0-82		U/L
Alkaline Phos	phatase	155			100-277		U/L
GGTP		197	,				U/L
Total Bilirubin		0.1			0-3.7		mg/dL
Urea Nitrogen		18	// @ 14.0		8-20		mg/dL
Creatinine	ъ		(LOW)		0.8-2.3		mg/dL
BUN/Creatinir	ie Hatio	30			0.5.0.5		RATIO
Phosphorus		4.4	(1101)		3.5-6.5		mg/dL
Glucose Calcium			(HIGH)		84-131		mg/dL
		9.9			9.0–11.8		mg/dL
Magnesium Sodium		2.2			140 100		mEq/L
Potassium		4.2			142-160 4.1-5.3		mEq/L mEq/L
Na/K Ratio		4.Z 35			4.1-5.3		mEq/L
Chloride		112)		97-113		mEq/L
Cholesterol			(HIGH)		97-113 97-186		mg/dL
Triglycerides		98	(IIIOII)		37-100		mg/dL
Amylase		236	.				U/L
Lipase		17	•				U/L
CPK		850	1				U/L
CBC		000	•				0,2
Hemoglobin		15.	2 (HIGH)		10.7-14.0		g/dL
Hematocrit			9 (HIGH)		34.0-43.0		%
WBC			(LOW)		5.5-19.0		10³/uL
RBC		6.13			4.90-6.20		10 ⁶ /uL
MCV		82					fl
MCH		24.					pg
MCHC		30.					g/dl
Platelet Count		356					10 ³ /uL
Platelet Estim	ate		equate				
Differential		Ab	solute %				

FINAL

ANTECH DIAGNOSTICS

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Helping Hands Monkey for Disabled

541 Cambridge St Boston, MA 02134

Tel: 617-787-4419 Fax: 617-787-5665

Accession No. Doctor NYAA48345565 GRAHAM Owner HELPING HANDS

Pet Name ALLIE Received 02/11/2009

Client # 180126

Chart #

Species Primate(Monkey)

Breed

Sex SF Pet Age 18Y Reported

02/11/2009 06:35 AM

est Requested	Results		Reference Range	Units
UPERCHEM				
Glucose	135 (HIGH)		84-131	mg/dL
Urea Nitrogen	21 (HIGH)		8–20	mg/dL
Creatinine	0.7 (LOW)		0.8-2.3	mg/dL
Total Protein	8.2 `		7.8-9.6	g/dL
Albumin	4.8		3.1-5.3	g/DL
Total Bilirubin	0.1		0-3.7	mg/dL
Alkaline Phosphatase	85 (LOW)		100-277	U/Ľ
ALT (SGPT)	69		0–82	U/L
AST (SGOT)	59 (HIGH)		14-30	U/L
Cholesterol	181		97–186	mg/dL
Calcium	9,5		9.0-11.8	mg/dL
Phosphorus	5.3		3.5-6.5	mg/dL
Sodium	147		142-160	mEq/L
Potassium	3.6 (LOW)		4.1-5.3	mEq/L
Chloride	116 (HIGH)		97-113	mEq/L
Albumin/Globulin Ratio	1.4			RATIO
BUN/Creatinine Ratio	30 /			RATIO
Globulin	3.4			g/dL
Lipase	18			Ū/L
Amylase	151			U/L
Triglycerides	172		,	mg/dL
CPK	105			U/L
GGTP	104			U/L
Magnesium	2.1			mEq/L
OMPLETE BLOOD COUNT				
Hemoglobin	15.0 (HIGH)		10.7-14.0	g/dL
Hematocrit	47.9 (HIGH)		34.0-43.0	%
WBC	5.9		5.5-19.0	10³/μL
RBC	6.00		4.90-6.20	10 ⁶ /μL
MCV	80			fl
MCH	25.0			pg
MCHC	31.3			g/dl
Platelet Count	369			10³/μL
Platelet Estimate	Adequate			
Differential	Absolute	%		
Neutrophils	3009	51		
Bands	0	0		
Lymphocytes	2537	43		
Monocytes	177	3		
Eosinophils	118	2		
Basophils	59	1		•

ANTECH DIAGNOSTICS

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Helping Hands Monkey for Disabled

541 Cambridge St Boston, MA 02134 Tel: 617-787-4419

Fax: 617-787-5665

Client # 180126 Chart #

Accession No. NYAA46573481

Doctor **GRAHAM**

Owner **HELPING HANDS**

Pet Name **ALLIE**

Received 01/22/2009

Species

Breed

Sex

Pet Age

Reported

Primate(Monkey) SF 20Y 01/22/2009 06:06 AM

Test Requested	Results		Reference Range	Units
SUPERCHEM				VIII.
Glucose	95	•	84–131	no er (ell
Urea Nitrogen	23 (HIGH)		8–20	mg/dL
Creatinine	0.6 (LOW)		0.8-2.3	mg/dL
Total Protein	7.7 (LOW)		7.8-9.6	mg/dL
Albumin	4.6		3.1-5.3	g/dL
Total Bilirubin	0.1		0-3.7	g/DL
Alkaline Phosphatase	83 (LOW)		100-277	mg/dL
ALT (SGPT)	103 (HIGH)		0-82	U/L
AST (SGOŤ)	94 (HIGH)		14–30	U/L
Cholesterol	199 (HIGH)		97–186	U/L
Calcium	9.4		9.0–11.8	mg/dL
Phosphorus	5.2		3.5-6.5	mg/dL
Sodium	145		_	mg/dL
Potassium	4.1		142–160	mEq/L
Chloride	111		4.1–5.3	mEq/L
Albumin/Globulin Ratio	1.5		97–113	mEq/L
BUN/Creatinine Ratio	38			RATIO
Globulin	3.1			RATIO
Lipase	22		•	g/dL
Amylase	194			Ū/L
Triglycerides	222			U/L
CPK	224		v.	mg/dL
GGTP	100			U/L
Magnesium	2.1			U/L
OMPLETE BLOOD COUNT	4. (mEq/L
Hemoglobin	14.2 (HIGH)		107 110	
Hematocrit	41.6		10.7–14.0	g/dL
WBC	3.7 (LOW)		34.0-43.0	%
RBC	5.54		5.5–19.0	10³/μL
MCV	75		4.90-6.20	10 ⁶ /μL
MCH	25.6			fl
MCHC	34.1			pg
Platelet Count	366			g/dl
Platelet Estimate	Adequate			10³/μL
Differential	Adequate Absolute	0/		•
Neutrophils	2183	% 50		
Bands	0	59		
Lymphocytes	1147	0		
Monocytes	1 141	31		

Accession No. NYAA46573481	Dc GRAHAM	Owner HELPI	NG HANDS	Pet N	
Test Requested		Results		Reference Range	Units
Eosinophils		74	2		
Basophils	r	37	1		

2-Z0AS3919

FR:ZOASIS 3103145242 TO: 6177875665/NB19086627

Pg 1/2

ANTECH DIAGNOSTICS 1111 Marcus Avenue Lake Success NY 11042 Phone: 800-872-1001

Helping Hands Monkey for Disabled

541 Cambridge St Boston, MA 02134

Tel: 617-787-4419 Fax: 617-787-5665

Accession No. NB19086627

Doctor **GRAHAM**

Owner HELPING HANDS

Pet Name ALLIE

Received 08/16/2007

Chart #

Client # 180126

Species Х

Breed

Sex U

Pet Age

Reported

08/16/2007 07:43 AM

Test Requested	D		
SUPERCHEM	Results	Reference Range	Units
Glucose Urea Nitrogen Creatinine Total Protein Albumin Total Bilirubin Alkaline Phosphatase ALT (SGPT)	118 15 0.6 8.2 5.0 0.3 63 157	*No Species	mg/dL mg/dL mg/dL g/dL g/dL mg/dL U/L
AST (SGOT) Cholesterol Calcium Phosphorus Sodium Potassium Chloride Albumin/Globulin Ratio BUN/Creatinine Ratio Globulin Lipase Amylase Triglycerides CPK GGTP Magnesium Comment	91 165 9.6 5.6 147 4.6 111 1.6 25 3.2 22 176 109 730 96 1.9	*No Species	U/L U/L mg/dL mg/dL mEq/L mEq/L mEq/L RATIO RATIO g/dL U/L U/L U/L U/L mg/dL U/L U/L mEq/L

Hemolysis 4+, the following results may be affected by this degree of hemolysis:

-INCREASE-

ALT may be increased by 2-3 times

AST may be increased by 80-90%

LDH may be increased by 2-3 times

Total Bilirubin may be increased by 2-3 times

Potassium may be increased by 80-90%

Cholesterol may be increase up to 15%

Magnesium may be increased by 20-25%

-DECREASED-

Direct Bilirubin may be decreased up to 90%

Triglyceride may be decreased up to 50%

GGT may be decreased up to 10%

Uric Acid may be decreased by 10-15%

COMPLETE BLOOD COUNT

Hemoglobin

14.5

*No Species

g/dL

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FINAL

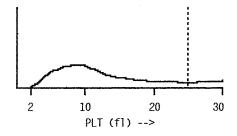
08/16/2007 07:43 AM

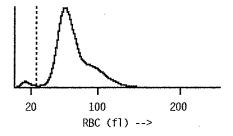
Accession No. NB19086627	Doctor GRAHAM	Owner HELPING H	IANDS	Pet Name ALLIE		
Test Requested		Results		Reference Range	Units	
Hematocrit		40.5		*No Species	%	
WBC		4.6		*No Species	10³/μL	
RBC		5.77		*No Species	10 ⁶ /μL	
MCV		70		*No Species	fl [']	
MCH		25.1		*No Species	pg	
MCHC		35.8		*No Species	g/dl	
Platelet Count		335		*No Species	10³/μL	
Platelet Estimat	:e	Adequate		*No Species	•	
Differential	í	Absolute	%	•		
Neutrophils		1564	34			
Bands		0	0			
Lymphocytes		2944	64			
Monocytes		92	2			
Eosinophils		0	0			
Basophils		0	0			
Blood Parasites		None Seen				

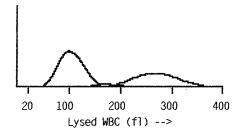
helping hards

HESKA CBC-Diff Veterinary Hematology System

ID = SEQ = DATE=	4683 1253 6/13/2005	MONKEY 14:34	OT Normal	-	ranges
WBC = LYMF= GRAN= MONO= LYMF= GRAN= MONO=	5.6 2.9 2.2 0.5 52.5 40.3 7.2	10 ³ /ul 10 ³ /ul 10 ³ /ul 10 ³ /ul %	2.0 0.1 0.0 0.0	: :: ::	99.0 99.0
HCT = MCV = RBC = HGB = MCH = MCHC= RDW%=	44.6 70.8 6.29 15.7 24.9 35.2 9.6	fl 10 ⁶ /ul g/dl pg g/dl %	12.0 23.0 33.0	: : : :	29.0
MPV = PLT =	11.2 295	fl 10 ³ /ul			







Species: Monkey
Patient: ALLIE
Ver: 8.03B
Req ID: 3801
Date: 13-Jun -2005 01:58PM

Client : HELPING HANDS

Test	I	Results	Reference Range		Indicator		
					LOW	NORMAL	HIGH
ALB	=	5.9 g/dl	2.8 -	4.4			
ALKP	-	80 U/L	73 -	210			
ALT	=-	146 U/L	20 -	120			
AMYL	=-	364 U/L	149 -	500			1
BUN	=	27 mg/dl	7 -	25			
Ca	==	9.5 mg/dl	8.3 -	10.1			
CHOL	==	180 mg/dl	73 -	179			
CREA	=	0.7 mg/dl	0.4 -	1.2			
GLU	==	228 mg/dl	50 -	100			
PHOS	===	4.2 mg/dl	2.4 -	6.5			1
TBIL	<	0.1 mg/dl	0.1 -	0.6			
TP	=	8.4 g/dl	5.9 -	7.6			
GLOB	=	2.5 g/dl					
Na	=	160 mmol/l	139 -	158			
K	=	3.2 mmol/l	2.7 -	4.6			
Cl	=	118 mmol/l	98 -	111			



P.O. Box 016960 (R 46) Miami, Florida 33101 (305) 243-6700 (800) 596-7390 FAX (305) 243-5662

COMPARATIVE PATHOLOGY LABORATORY

ROSENSTIEL MEDICAL SCIENCE BUILDING - 1600 N.W. 10TH AVENUE, RM 7101A, MIAMI, FL 33136

DAILY REFERENCE REPORT 13 MAY 04 02:15PM Page 1

HELPINGHANDS\ALLIE Age 15, Sex FEM

PRS# V3329273-134.2522

Species: OTHER Breed: CAPUCHIN

Spec: BLD Collected: 12 MAY 04 Received: 13 MAY 04 10:03

WHITE BLOOD CELL COUNT RED BLOOD CELL COUNT HEMOGLOBIN HEMATOCRIT MCV MCH MCHC CORRECTED WBC SEGMENTED NEUTROPHIL BAND NEUTROPHIL LYMPHOCYTES MONOCYTES EOSINOPHILS NUCLEATED RBC	RESULT 9.4 2.82 7.4 21 74 26 35 8.4 80 17 2 1	UNITS 10X3 10X6 GM% % U3 UUG % 10X3 % % % % %
PDC MODELL		/ - 00MDC

RBC MORPHOLOGY: SLT MICROCYTOSIS PLT APPEARANCE: INCR PLATELETS

WBC MORPHOLOGY: NORMAL

Species : Monkey

Patient : 4683

Client : ALLIE HELPING HANDS

Ver: 7.3A Req ID: 3169

Date : 12-May -2004 03:09PM

Test	Resul		Results Reference Range		Indicator		
					LOW	NORMAL	HIGH
ALB	=	4.16	g/dl	2.80 - 4.40			***************************************
ALKP	=	33	U/L	73 - 210			
ALT	=	89	U/L	20 - 120			
AMYL	=	740	U/L	149 - 500			
BUN	=	12.1	mg/dl	7.0 - 25.0			······
Ca	==	8.95	mg/dl	8.30 - 10.10			***************************************
CHOL	=	140.9	mg/dl	73.0 - 179.0			***************************************
CREA	=	0.58	mg/dl	0.40 - 1.20			***************************************
GLU	=	179.3	mg/dl	50.0 - 100.0			
PHOS	=	5.28	mg/dl	2.40 - 6.50			
BIL	=	0.25	mg/dl	0.10 - 0.60			
P.	=	7.61	g/dl	5.90 - 7.60			
GLOB	=		g/dl		1	· · · · · · · · · · · · · · · · · · ·	
₹a	=	162.4	mmol/l	139.0 - 158.0			
ζ	=		mmol/l	2.70 - 4.60			
21	=		mmol/1	98.0 - 111.0		······································	



P.O. Box 016960 (R-46) Miami, Florida 33101 (305) 243-6700 (800) 596-7390 FAX (305) 243-5662

COMPARATIVE PATHOLOGY LABORATORY

SCHOOL OF MEDICINE

ROSENSTIEL MEDICAL SCIENCE BUILDING - 1600 N.W. 10TH AVENUE, RM 7101A, MIAMI, FL 33136

DAILY REFERENCE REPORT 07 MAY 04 03:19PM Page 1

HANDS\ALLIE Age UNK, Sex FEM

PRS# V3325628-128.2552

Species: OTHER Breed: CAPUCHIN MONKEY

Spec: \$LD Collected: 06 MAY 04 Received: 07 MAY 04 10:10

Requestor's S-ID:

WHITE BLOOD CELL COUNT RED BLOOD CELL COUNT HEMOGLOBIN HEMATOCRIT MCV MCH MCHC SEGMENTED NEUTROPHIL BAND NEUTROPHIL LYMPHOCYTES MONOCYTES	RESULT 5.2 4.26 10.9 31 73 26 35 94	UNITS 10X3 10X6 GM% % U3 UUG % %
	_	_
NUCLEATED RBC	0	/100WBC

RBC MORPHOLOGY: SLT MICROCYTOSIS

PLT APPEARANCE: ADEQUATE WBC MORPHOLOGY: NORMAL

Species: Monkey Ver: 7.3A Req ID: 3168

Patient: ALLIE Date: 10-May -2004 01:00PM

Client : HLPINGHANDS

Test	Results	Reference Range	Indicator		
			LOW	NORMAL	HIGH
ALB	= 4.82 g/dl	2.80 - 4.40			
ALKP	= 39 U/L	73 - 210			
ALT	= 78 U/L	20 - 120			
AMYL	= 1785 U/L	149 - 500			
BUN	= 6.3 mg/dl	7.0 - 25.0			
Ca	= 8.73 mg/dl	8.30 - 10.10			***************************************
CHOL	= 159.9 mg/dl	73.0 - 179.0			
CREA	= 0.73 mg/dl	0.40 - 1.20			
GLU	= 152.4 mg/dl	50.0 - 100.0			
PHOS	= 6.90 mg/dl	2.40 - 6.50			
TBIL	= 0.23 mg/dl	0.10 - 0.60			
TP	= 7.60 g/dl	5.90 - 7.60			
GLOB	= 2.78 g/dl				
Na	= 164.0 mmol/1	139.0 - 158.0			
K	= 3.82 mmol/l	2.70 - 4.60			
Cl	= 109.6 mmol/l	98.0 - 111.0			

Nancy

From:

To:

Nancy M. <nm22@verizon.net> Denise Trapani <DVM5763@comcast.net> Sunday, May 09, 2004 1:51 PM

Sent:

Subject:

Allie/urine test

BLOOD 50 UROBILINOGEN NORMAL BILIRUBIN NEGATIVE PROTEIN 30 NEGATIVE NITRITE KETONES TRACE ASCORBIC ACID NEGATIVE GLUCOSE 500 PH 8 SPECIFIC GRAVITY 1005 LEUCOCYTES 25

Species: Monkey Ver: 7.3A Req ID: 3167

Patient: 4683 Date: 06-May -2004 03:17PM

Client : ALLIE HH

Test	Results	ts Reference Range		Indicator		
			LOW	NORMAL	HIGH	
ALB	= 4.87 g/dl	2.80 - 4.40				
ALKP	= 53 U/L	73 - 210				
ALT	= 102 U/L	20 - 120				
AMYL	> 2500 U/L	149 - 500			1355 1355 1355 1355	
BUN	= 20.3 mg/dl	7.0 - 25.0				
Ca	= 10.36 mg/dl	8.30 - 10.10				
CHOL	= 155.5 mg/dl	73.0 - 179.0			***************************************	
CREA	= 1.01 mg/dl	0.40 - 1.20			***************************************	
GLU	= 106.5 mg/dl	50.0 - 100.0				
PHOS	= 1.95 mg/dl	2.40 - 6.50			***************************************	
TBIL	= 0.50 mg/dl	0.10 - 0.60				
TP	= 7.27 g/dl	5.90 - 7.60				
GLOB	= 2.40 g/dl					
Na	= 167.1 mmol/l	139.0 - 158.0				
K	= 1.96 mmol/l	2.70 - 4.60				
Cl	= 118.7 mmol/l	98.0 - 111.0		***************************************		

Species : Monkey

Patient : ALLY

Client : HELPING HANDS

Ver: 7.3A Req ID:

Date : 04-May -2004 12:11PM

Test	Results	ults Reference Range		Indicator		
ATUD	60 77/7		LOW	NORMAL HIGH		
ALKP	= 60 U/L	73 - 210				
ALT	= 217 U/L	20 - 120				
BUN	= 23.2 mg/dl	7.0 - 25.0				
CREA	= 0.76 mg/dl	0.40 - 1.20				
GLU	= 223.5 mg/dl	50.0 - 100.0				
TP	= 7.57 g/dl	5.90 - 7.60				
Va	= 167.9 mmol/1	139.0 - 158.0	Į į			
ζ	= 3.23 mmo 1/1	2.70 - 4.60				
C1	= 120.5 mmol/l	98.0 - 111.0				

Species : Monkey

Patient: ALLIE Date: 03-May -2004 12:34PM

Ver: 7.3A

Req ID:

Client : HELPINGHANDS

Test	Resul	ts	Reference Range		Indicator	
				LOW	NORMAL	HIGH
ALB	= 5.68	g/dl	2.80 - 4.40			
ALKP	= 77	U/L	73 - 210			
ALT	= 256	U/L	20 - 120			
AMYL	= 898	U/L	149 - 500			
BUN	= 95.2	mg/dl	7.0 - 25.0			
Ca	= 8.93	mg/dl	8.30 - 10.10			
CHOL	= 184.0	mg/dl	73.0 - 179.0			
CREA	= 2.47	mg/dl	0.40 - 1.20			
GLU	= 242.3	mg/dl	50.0 - 100.0			
PHOS	= 5.51	mg/dl	2.40 - 6.50			
BIL	= 0.58	mg/dl	0.10 - 0.60			
P.	= 8.41	g/dl	5.90 - 7.60			
GLOB	= 2.72	g/dl				

total IV fluido 115 N 500

ANTECH Diagnostics

10 Executive Blvd.

HELPING AAWDS,ALLIE Farmingdale, NY 11735

Client: 2594

HEALTHY PET/ANIMAL CARE CT

678 BROOKLINE AVE BROOKLINE, MA 02146

Chart:

Patient:

Doctor: MAIDENBAUM

Acn #: A01467267	Age/Dob: NS,	Sex/Species F, MONKEY	Collected: 04/12/2002	Reported: 04/13/2002
	•		NO TIME	8:07 OM EDT

ADULT

TESTS RESULTS REFERENCE RANGE

COMPLETE BLOOD COUNT

HEMOGLOBIN HEMATOCRIT WBC	13.6	43.9 (H) 4.2 (L)	G/DL % THDS/CMM	10.7-14.0 34.0-43.0
RBC	5.12	4.2 (L)	MILL/CMM	5.5-19.0 4.90-6.20
MCU	86	•	HILL GIN	4.90-0.20
MCH	26.6			
MCHC	31.0		•	
PLATELET COUNT	408		THOUS/CMM	
PLATELET EST	ADEQUATE			
	ABSOLUTE	PE	RCENTAGE	
ABSOLUTE POLYS	1470		35%	•
ABSOLUTE BANDS	8		8%	
ABSOLUTE LYMPHS	2520		68%	
ABSOLUTE MONOS	126		31/2	
ABSOLUTE EOS	84		2%	
ABSOLUTE BASOS	0		9%	
RETICULOCYTES	8.8		%	
ABSOLUTE RETICULOCYTES	40960			
CORRECTED RETICULOCYTES	8.9			

FINAL REPORT 04/13/2002 8:07 AM EDT ACN# A01467267

Patient
Allie Helping Hands
Phone () Species EM Sex f
Breed mnk
DOB 1/19/90

Veterinarian/Clinic
Dr. Barak Maidenbaum (617) 277-2030
Brookline Animal Hospital
678 Brookline Ave

Accession # 298978 Collected: 3/11/02 Accessioned: 3/11/02 Changed: 3/11/02

Brookline, MA 02445

Test CBC	Result	Limits	Comments
WBC	2.4 x10 ³ /μl		•
RBC	2.45 x10^6/µl		
Hgb	7.3 g/dl		
Hct	22.2 %		
MCV	90.5 fl		
MCH	29.7 pg		
MCHC	32.8 g/d1		
RDW	16.1		
Platelet Estimate	Normal		
Seg	0.8 x10^3/μl		
Lymph	1.3 x10^3/μ1		
Mono	0.3 x10^3/μ1		
Eosinophil	0.1 x10^3/μ1		
Basophil	0.1 x10^3/μ1		
NRBC	12 /100 WBC'S		
Red Cell Morphology	Anisocytosis 1+ Basophilic Stippling Present Howell Jolly Bodies Present		

Allie Helping Hands

Imuran = Azathioprine

pred-back on 1/2 tab every day-then when finished bring in for blood vetest

Angell Memorial Animal Hospital

Pathology Department
350 S. Huntington Ave Boston, MA 02130
(617) 541-5014 (Clinical Lab) (617) 541-5020 (Anatomic Pathology)

Patient

Allie Helping Hands

Phone () -Species EM Sex f

Breed mnk DOB 1/19/90

Veterinarian/Clinic Dr. Barak Maidenbaum (617) 277-2030

Brookline Animal Hospital 678 Brookline Ave

Accession # 293811 Collected: 2/12/02 Accessioned: 2/12/02 Changed: 2/12/02

Brookline, MA 02445

Test	Result	Limits	Comments
CBC			
WBC	4.13 x10 ³ /μ1		
RBC	2.33 x10^6/µ1		
Hgb	6.7 g/dl		*
Hct	21.7 %		
MCV	93.2 fl		
MCH	28.8 pg		
MCHC	30.9 g/d1		
RDW	19.0		× .
Platelet Estimate	Normal		
Seg	0.979 x10^3/μ1		
Lymph	2.760 x10 ³ /μl		
Mono	0.291 x10 ³ /μ1		
Eosinophil	0.010 x10 ³ /μ1		
Basophil	0.088 x10^3/μ1		
Corrected Retic Profile			
Corrected Retic	unable to report corrected retic. no het standards %		
Canine Regeneration >1.0	% Feline Regeneration > 0.5%		
Retic	1.5 %		
Hct	21.7 %		

Allie Helping Hands

Click here to search for other patients

Patient Allie Helping Hands Phone () -Species EM Sex F Breed Unknown DOB 1/13/1991

Veterinarian/Clinic Dr. Barak Maidenbaum (617) 277-2030 Brookline Animal Hospital

678 Brookline Ave

TOTAL STREET, STREET, S. - - -

Brookline, MA 02445

Accession # 291717 Specimen:2/1/2002 Accessioned:2/1/2002 Changed: 2/1/2002 3:29:27 PM

[fax:6172775284]

Test	Result	Limits	Caumenia

Test CBC	Result	Limits	Car
WBC	2.32 1002/2		
RBC	3 22 x10^3/µ1		
	1.35 x10°6/µ1		
Hgb	5.5 g/dl		
Hct	15.8 %		
MCV	99.7 fl		
MCH	29.5 pg		
MCHC	32.5 g/dJ		
RDW	25.2		
Platelet Estimate	Normal		
Seg	1.550 x10^3/µ1		
L ymph	1.030 x10^3/µ1		
Mono	0.550 x10 ³ /µ1		
Eosinophil	0.000 x10 ³ /μ1		
Basophil	0.100 x10^3/µ1		
NRBC	28 /100 WBC'S		
Ded Call Street	Polychromasia 2+ Anisocytosis 2+ Spherocytes 1+		
Red Cell Morphology	Basophilic stipping		

The polychromasia suggests a regenerative or partially regenerative response to the anemia.
The HCT has significantly increased since the last CBC. The response is ontouraging. Smear reviewed by Dr. Ewing

Corrected Retic Profile

Corrected Retic

Species mean Het not available for calculation

of corrected Retic. %

Canine Regeneration >1.0% Feline Regeneration > 0.5%

Retic

9.3 %

Het

16.8 %

Allie Helping Hands

Click here for other results for this patient

REPRINT

ANTECH Diagnostics

Patient: 10 Executive Blvd.

HELPING HANDS, ALLIE Farmingdale, NY 11735 C ant: 2594

11 MITHY PET/ANIMAL CARE CT

678 BROOLLINE AVE BROOKLINI MA 02146

Chart:

Doctor: MAIDENBALL

G/DL

THDS/CMM

MILL/CMM

THOUS/CMM

Acn #: AN3999381 Age/Dob: 12.

Sex/Species F. MONKEY

Collected: 01/23/2002 Reported: 01/24/2 392

NO TIME

11:20 / 4 EST

ADULT

TESTS

RESULIS

REFER!! CE RANGE

10.7-14.0

34.0-43.0

5.5-19.8

4.90-6.20

COMPLETE BLOOD COUNT

HEMOGLOBIN 3.3 (L) HEMATOCRIT 9.3 (L) WRC 1.9 (L) RBC 1.14 (L) MCV 82 MCH 28.9 MCHC 35.5 PLATELET COUNT 248 PLATELET EST **ADEQUATE** HYPOCHROMIA MODERATE POLYCHROMAS IA SLIGHT NRBC 8

#/100WBC

REMARKS PATH

THE VERY LOW WBC COUNT ON THIS PATIENT RESULTS IN A VERY POOR DISTRIBUTION OF CELLS ON THE DIFFERENTIAL SLIDE AND THEREFORE THE DIFFERENTIAL RESULTS ARE OF

QUESTIONABLE VALUE.

· · · · · · · · · · · · · · · · · · ·	ABSOLUTE	PERCENTAGE
ABSOLUTE POLYS	1064	56%
ABSOLUTE BANDS	9	9%
ABSOLUTE LYMPHS	760	40%
ABSOLUTE MONOS	76	4%
ABSOLUTE EOS	0	8%
ABSOLUTE BASOS	0	0%
RETICULOCYTES	11.9	%
ABSOLUTE RETICULOCYTES	135660	
CORRECTED RETICULOCYTES PATHREVIEW, INTERNAL REQUES	2.9 T	

Jean File

Red cell density appears markedly decreased. Mild to moderate polychromasia is noted. Occasional RBC's display basophilic stapling and Howell-Jolly bodies. Anisocytosis is marked. Although a reticulocyte count would be necessary to fully quantify the regenerative response a fairly strong response is evident supporting a hemorrhagic or hemolytic cause or component for the anemia. Occasional microcytic erythrocytes lack central pallor ands may represent spherocytes, which would support an immune-mediated cause or () apponent for he anemia. White cell density appears decreased; the preductionant

THANK YOU FOR USING ANTECH

leukocytes are mature neutrophils and reactive lymphocytes. If present, a few considerations for neutropenia would include at te systemic infections, viral infections (SIV), endotoxemia, analllaxis, and the use of certain chemotherapeutic agents, etc. Bone mark a disease should be considered if this condition is chronic. Fer

REPORT CONTINUED ON NEXT FORM



ANTECH Diagnostics

10 Executive Blvd.

HELPING HANDS, ALLIE Farmingdale, NY 11735 C : ent: 2594

II ALTHY PET/ANIMAL CARE CT

678 BROOLLINE AVE BROOKLINI MA 02146

Chart:

Patient:

Doctor: MAIDENBALL

1

Acn #: AN3999301 Age/Dob: 12,

Sex/Species F, MONKEY

Collected: 01/23/2002

Reported: 01/24.2 302

NO TIME

8:10 (1 EST

ADULT

TESTS

RESULTS

PENDING

REFERII CE RANGE

COMPLETE BLOOD COUNT

RETICULOCYTES ABSOLUTE RETICULOCYTES

11.9 135669 2.9

CORRECTED RETICULOCYTES PATHREVIEW, INTERNAL REQUEST

PENDING

IMPORTANT SERVICE MESSAGE

EFFECTIVE FEBRUARY 1, 2002, THE M150 CULTURE SENSITIVITY URINE '1 ST WILL NO LONGER BE AVAILABLE. THIS TEST HAS BEEN UPGRADED TO MILE, THE CULTURE SENSITIVITY WITH MIC. IF YOU HAVE ANY QUESTIONS OR CONCLERS PLEASE CONTACT YOUR LOCAL SALES REPRESENTATIVE. THANK YOU FOR CHOOSING ANTECH DIACNOSTICS FOR YOUR LABORATORY NEEDS.

> PARTIAL REPORT 01/24/2002 8:10 AM EST ACNI 1N3999381

CONTINUED REPORT

REPRINT

ANTECH Diagnostics

Patient:

10 Executive Blvd.

HELPING HANDS, ALLIE

Farmingdale, NY 11735

C ent: 2594

11 ALTHY PET/ANIMAL CARE CT

676 BROOLLINE AVE BROOKL INI MA 02146

Chart:

Doctor: MAIDENBALL

Acn #: AN3999301 Age/Dob: 12.

Sex/Species F. MONKEY

Collected: 01/23/2002 Reported: 01/24/1302

NO TIME

11:20 / 1 EST

ADULT

TESTS

RESULTS

REFERII DE RANGE

platelet clumps are noted, however numbers appear adequate and morphology is normal. No definitive organisms or overt evidence of Lilli Decker, DVM, MS.

IMPORTANT SERVICE MESSAGE

EFFECTIVE FEBRUARY 1, 2002, THE M150 CULTURE SENSITIVITY URINE '1 ST WILL NO LONGER BE AVAILABLE. THIS TEST HAS BEEN UPGRADED TO MILE, THE CULTURE SENSITIVITY WITH MIC. IF YOU HAVE ANY QUESTIONS OR CONCERNS PLEASE CONTACT YOUR LOCAL SALES REPRESENTATIVE. THANK YOU FOR CHOOSING ANTECH DIAGNOSTICS FOR YOUR LABORATORY NEEDS.

FINAL REPORT

01/24/2002 11:20 AM EST ACNI NN3999301

Patient Allie Helping Hands Phone 000-0000 Species EM Sex f Breed Unknown DOB 1/19/90

Veterinarian/Clinic Dr. Barak Maidenbaum (617) 277-2030 Brookline Animal Hospital 678 Brookline Ave

Accessi / # 289290 Collect (1/19/02

Accessi v ed: 1/19/02 Change i 1/19/02

Brookline, MA 02445

Test	Result	Limits	Comments
General Profile			
Glucose	44 mg/dl		
AST	1,115 U/L		
ALT	2,417 U/L		
Alk Phos	* U/L		
Total Bilirubin	0.6 mg/dl		
Total Protein	* g/dl		
Albumin	4.2 g/dl		
Globulin	1.30 g/dl		,
A/G	3.2		
Calcium	* mg/dl		
Phosphorus	* mg/dl		
BUN	26 mg/dl		
Creatinine	2.5 mg/dl		
Sodium	146 mEq/L		
Potassium	3.0 mEq/L		
Chloride	100 mEq/L		
Co2	* mEq/L		
Cholesterol	* mg/dl		*Unable to report due to hemolysis
CBC	and while the state which you proper you. One years that the shall have they stay you will have the state and of the stay of the stay of the state of the stay of the stay of the state of the stay of the stay of the state of the stay of the stay of the stay of the state of the stay		dat to merally see
WBC	1.19 x10^3/µl		
RBC	0.79 x10^6/μ1		
Hgb	2.6 g/dl		
Het	6.0 %		
MCV	76.3 fl		
MCH	32.9 pg		
MCHC	43.1 g/di		
RDW	14.0		
Platelet Estimate	Decreased		•
Seg	0.140 x10^3/µ1		50 Cell diff
Lymph	1.000 x10^3/µl		O V V FAL MALE
Atypical Lymph	0.02 x10^3/µ1		
Mono	0.020 x10^3/µl		
Eosinophil	0.000 x10^3/µ1		19 0Cm
Basophil	0.000 x10 ³ /μ1		(100)
Red Cell Morphology	Anisocytosis 1- Spherocytes 1+		
Corrected Retic Profile			` ` /
Corrected Retic	0.0 %		
Canine Regeneration >1.0	% Feline Regeneration > 0.5%		
Retic	0.0 %		
Het	6.0 %		

Allie Helping Hands

Patient
Allie Helping Hands
Phone 000-0000 Species EM Sex f Breed Unknown DOB 1/19/90

Veterinarian/Clinic
Dr. Barak Maidenbaum (617) 277-2030
Brookline Animal Hospital
678 Brookline Ave

Accessi / # 289290 Collect (1/19/02 Accessi / ed: 1/19/02 Change 1 1/19/02

Brookline, MA 02445

Test General Profile	Result	Limits	Comments	
Glucose	D			
AST	Results pending mg/dl			
ALT	Results pending U/L			
Alk Phos	Results pending U/L			
Total Bilirubin	Results pending U/L			
Total Protein	Results pending mg/dl			
Albumin	Results pending g/dl			
Globulin	Results pending g/dl			
A/G	Results pending g/dl			
Calcium	Results pending			
	Results pending mg/dl			
Phosphorus	Results pending mg/dl			
BUN	Results pending mg/dl			
Creatinine	Results pending mg/dl			
Sodium	Results pending mEq/L			
Potassium	Results pending mEq/L			
Chloride	Results pending mEq/L			
Co2	Results pending mEq/L			
Cholesterol	Results pending mg/dl			
CBC				
WBC	1.19 x10^3/µl			
RBC	0.79 x10^6/μ1			
Hgb	2.6 g/dl			
Hct	6.0 %			
MCV	76.3 fl			
MCH	32.9 pg			
MCHC	43.1 g/dl			
RDW	14.0			
Platelet Estimate	Decreased			
Seg	0.140 x10^3/μI		•	50 Cell diff
Lymph	1.000 x10^3/μ1			
Atypical Lymph	0.02 x10^3/μ1			
Mono	0.020 x10^3/μ1			
Eosinophil	0.000 x10 ³ /μ1			
Basophil	0.000 x10^3/p1			
Red Cell Morphology	Anisocytosis 1- Spherocytes 1+			
Corrected Retic Profile				
Corrected Retic	0.0 %			
Canine Regeneration >1.0%	6 Feline Regeneration > 0.5%			
Retic	0.0 %			
Hct	6.0 %			

Allie Helping Hands

ANIMAL CARE CENTER 678 BROOKLINE AVENUE BROOKLINE, MA 02145 (617) 277-2030

Species : Other Patient : Allie

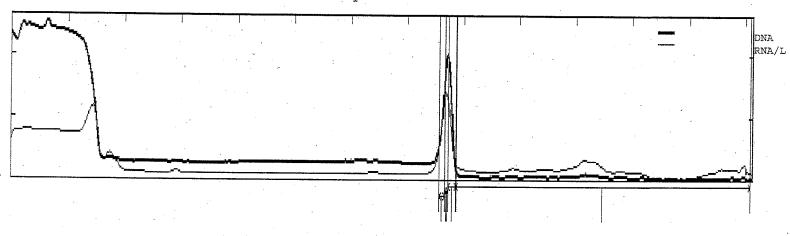
Ver: 6.5

Date: 16-Jan-2002 07:26PM

Client : Helping Hands (Dr Maidenbaum)

Test	Results	Reference Range	Indicator	
	lin	2 12 LOW	NORMAL	HIGH
HCT	= 7.9 % ~	- 2270		1111011
HGB	= 2.9 g/dl			* * * * * * * * * * * * * * * * * * * *
MCHC	= 36.7 g/dl			1
WBC	$= 1.6 \times 10^9/I$, → 4.1 ° · · · · · · · · · · · · · · · · · ·		
GRANS	$= 1.0 \times 10^9/L$			
%GRANS	= 62 %			
L/M	$= 0.6 \times 10^9/L$			
%L/M	= 38.%			
PLT	$= 6 \times 10^9 / L$			
Retics	~ 3.6 %		$\frac{1}{N} = \frac{1}{N} \left(\frac{1}{N} + \frac{1}{N} \right) = \frac{1}{N} \left(\frac{1}{N} + \frac{1}{N}$	
Results h		Canine cell size.		•

Buffy Coat Profile



PL#Mans

RBCs

Angell Memorial Animal Hospital - Pathology Dept

350 South Huntington Avenue - Boston, MA 02130 (617) 541-5014 (Clinical Lab) (617) 541-5020 (Anatomic Pathol y)

Cytology/Fluid Analysis Report

Patient

Doctor/Clinic

Helping Hands, Allie

Dr. Maidenbaum, Earak (617) 277-2030

Accession: 28) 96 Collected: 01.1 /2002

Phone: () -

Brookline Animal Hospital

Accessioned: / 9/2002

Species: EM Sex: f Breed: Unknown 678 Brookline Ave

Completed: Changed:

DOB: 1/19/1990

Brookline, MA 02445

Clinical Summary

History: see sheet

Source: Bone Marrow 10 unstained slides

Description

The bone marrow smears are of very good quality. Numerous marrow particles of 50-80% cellularity are increased and consist of mature and immature forms. A few megakaryocytes exhibit irregular segmentar of their nuclei. The M:E is approximately 1:4. The myeloid series is decreased and there is a left shift to the myelocyte stage. The explicit processed and exhibits a maturation arrest at the rubricyte stage - metarubricytes and polychromatophilic pullers are rare. Occasional dysplastic rubricytes exhibiting nuclear to cytoplasmic asynchrony, binucleation (nuclei of via ven size) and nuclear remnants are present Some nucleated erythrocytes exhibit nuclear pyknosis or karyorrhexis. Macrophage are increased and frequently contain phagocytized erythrocytes or hemosiderin. Plasma cells represent 5% of the nucleated cell population.

Interpretation

Megakaryocytic hyperplasia

Ineffective erythropoiesis with a maturation arrest and erythrodysplasia

Myeloid hypoplasia with a left shift

Plasmacytosis and lymphocytosis (immune stimulation)

Increased marrow macrophages with erythrophagocytosis

Comment

The cause of the non-regenerative anemia is ineffective erythropoiesis with a maturation arrest at the rul respective typerplasia suggests a marrow response to the thrombocytopenia consistent with peripheral platelet consumption or destruction. Alternatively, the megakaryopoiesis may be ineffective. Since there is no history of potential exploitoxic drug exposure in this patient, other possible causes to consider include non-regenerative immune mediated anemia and the abocytopenia, a viral-associated bone marrow disorder, exposure to myelotoxic substance in food, nutritional deficiency, conjective erythrodysplasia

(unlikely given the age of onset) or early myelodysplasia. Immunosuppressive therapy may be benefician this case. Follow up CBCs and bone marrow evaluation may be worthwhile in further characterizing the bone marrow disorder.

Pathologist

Patty J. Ewing, DVM, MS, DACVP

Angell Memorial Animal Hospital - Pathology Dept

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Cytology/Fluid Analysis Report

Patient

Doctor/Clinic

Helping Hands, Allie

Dr. Maidenbaum, Barak

Accession: 298979 Collected: 03/11/2002

Phone: () -

(617) 277-2030 Brookline Animal Hospital

Accessioned: 3/11/2002

Species: EM Sex: f

678 Brookline Ave

Completed:

Breed: mnk

Brookline, MA 02445

Changed:

DOB: 1/19/1990

Clinical Summary

History: see sheet

Source: Bone Marrow 5 slides

Description

The marrow aspirate is of excellent quality with numerous spicules. The spicules are very cellular. Megakaryocytes are numerous and include mature and fewer immature forms. The M:E is 0.2:1.0. The erythroid series is markedly increased and exhibits orderly and complete maturation to the polychromatophilic stage. The myeloid series exhibits a relative decrease and displays orderly and complete maturation. Plasma cells are mildly increased (4% of the nucleated cell population) and some contain clear vacuoles within their cytoplasm. Marrow iron is occasionally seen.

Interpretation

Megakaryocytic hyperplasia

Marked erythroid hyperplasia

Comment

There is a notable improvement in hematopoiesis. The previously observed maturation arrest in the erythroid series is not observed in the present marrow aspirate. The erythroid hyperplasia with complete and orderly maturation indicates a marrow response to the anemia, which would be consistent with hemorrhage or hemolysis. The blood smear (accession 298978) is reviewed and occasional spherocytes are noted. This finding together with the erythroid hyperplasia and response to corticosteroid therapy are supportive of an immune mediated cause of the anemia. Thank you for submitting a follow up bone marrow specimen.

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wt-51/05	1/93/09		114102	1/16/08 1/16/08	Medical Record	
Followup	Move blood		Follow Up	Extremely pale bleeding I von	ALLIE 89-002 Reason for Vet Visit.	
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Medical Record				
Monkey's name:	ALLE			
Monkey's ID#:	89-602			
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