

452-453

I.D. / NRL03
PROJECT CODE [REDACTED]

INVESTIGATOR REQUESTOR

ANIMAL DATA: _____
ROOM CAGEPROCEDURE IS: DIAGNOSTIC AIDCALIFORNIA PRIMATE
RESEARCH CENTER

MICROBIOLOGY

NX

M
SEX

MMU [REDACTED]
ANIMAL I.D.
3 20 20
DATE OF SAMPLE
9 YR 0 MO 15 KG
AGE WEIGHT

COLONY MANAGEMENT

EXPERIMENTAL

CLINICAL SIGNS / PROBLEMS: <input type="checkbox"/> DIARRHEA <i>Swabs adjacent to implant</i>		PRIOR THERAPY <input type="checkbox"/> NO <input type="checkbox"/> YES LIST ALL AGENTS <i>Implant exudate</i>							
HOSPITALIZED <input type="checkbox"/> YES <input type="checkbox"/>		SOURCE OF SPECIMEN(S) <input type="checkbox"/> <i>Implant</i> <input type="checkbox"/> <i>Exudate</i>							
CULTURES REQUESTED	NEGATIVE RESULT NEGATIVE NO GROWTH								
<input type="checkbox"/> ENTERIC SCREEN SHIGELLA, YERSINIA, SALMONELLA									
<input type="checkbox"/> CAMPYLOBACTER									
<input type="checkbox"/> YERSINIA (CLINICAL)									
<input checked="" type="checkbox"/> AEROBIC									
<input checked="" type="checkbox"/> ANAEROBIC <i>1+2</i>	<i>✓✓</i>								
<input type="checkbox"/> FUNGI/YEAST									
<input type="checkbox"/> LISTERIA									
<input type="checkbox"/> OTHER									
ORGANISMS IDENTIFIED									
1. <i>Implant: 1+ staph coagulase negative</i> 2. <i>Exudate: Few colonies Staph coagulase negative</i> 3. 4. 5. 6. 7. 8.									
<input type="checkbox"/> SENSITIVITY TO ANTIMICROBIAL AGENTS: KIRBY-BAUER									
ORGANISM NUMBER	DOXYCYCLINE (DO 30)	AZITHROMYCIN (AZM 15)	CEFAZOLIN (CZ 30)	CEFTRIAXONE (CRO 30)	ENROFLOXACIN (ENO 5)	NEOMYCIN (N 30)	PENICILLIN (P 10)	SULFA/TRIMETH (SXT 25)	VANCOMYCIIN (VA 30)

REPORTED BY: [REDACTED]REPORT DATE: 4-1-20

CLINICAL MICROBIOLOGY

450

 VIRAL PRECAUTIONBZ59 NRLO3
ID. PROJECT CODE[REDACTED]
INVESTIGATOR REQUESTORANIMAL DATA: EX 6-7
ROOM CAGECALIFORNIA PRIMATE
RESEARCH CENTER

MICROBIOLOGY

NX

M 9 YR 1 MO 15.8 KG
SEX AGE WEIGHTPROCEDURE IS: DIAGNOSTIC AID COLONY MANAGEMENT EXPERIMENTAL

CLINICAL SIGNS / PROBLEMS: <input type="checkbox"/> DIARRHEA		Loose implant w/ mild crusting at margin		PRIOR THERAPY <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES LIST ALL AGENTS.					
HOSPITALIZED NO <input type="checkbox"/> YES <input type="checkbox"/>		SOURCE OF SPECIMEN(S) cranial implant margin		DIRECT MICROSCOPIC EXAMINATION					
CULTURES REQUESTED		NEGATIVE RESULT							
		NEGATIVE	NO GROWTH						
<input type="checkbox"/> ENTERIC SCREEN SHIGELLA, YERSINIA, SALMONELLA									
<input type="checkbox"/> CAMPYLOBACTER									
<input type="checkbox"/> YERSINIA (CLINICAL)									
<input checked="" type="checkbox"/> AEROBIC									
<input checked="" type="checkbox"/> ANAEROBIC									
<input checked="" type="checkbox"/> FUNGI/YEAST		✓	✓						
<input type="checkbox"/> LISTERIA									
<input type="checkbox"/> OTHER									
ORGANISMS IDENTIFIED									
1. Aerobic: It mixed growth including Staph coagulase negative									
2.									
3.									
4.									
5.									
6.									
7.									
8.									
<input type="checkbox"/> SENSITIVITY TO ANTIMICROBIAL AGENTS: KIRBY- BAUER									
ORGANISM NUMBER	DOXYCYCLINE (DO 30)	AZITHROMYCIN (AZM 15)	CEFAZOLIN (CZ 30)	CEFTRIAXONE (CRO 30)	ENROFLOXACIN (ENO 5)	NEOMYCIN (N 30)	PENICILLIN (P 10)	SULFA/TRIMETH (SXT 25)	VANCOMYCIN (VA 30)

OEE [REDACTED] 4-2-20

REPORTED BY: [REDACTED]

REPORT DATE: 4-2-20

CLINICAL MICROBIOLOGY

Biopsy Report

Animal ID MMU [REDACTED]
Sex M
Age 9 yrs 0 mon
Investigator [REDACTED]
Pathologist [REDACTED]
Resident ROY

Report ID 69001
Death Type
Weight (KG)
Project NRL03
Clinician
Hydration

Report Complete 25-FEB-20
Location [REDACTED]
Work Performed 25-FEB-20
Time Performed 12:00 AM
Charge ID BZ59

Pathology Condition

Biopsy Observation CYTOLOGY

Submitted is a smear preparation of fluid from the margins of a cranial implant, and a Gram stained slide of that same fluid. The sample contains primarily small to moderate numbers of neutrophils, many of which are hypersegmented, along with fewer macrophages, eosinophils, erythrocytes, keratin, and streaming nuclear and cellular debris. There are no bacteria observed within the Gram stained cells.

Biopsy Diagnosis 1 HEAD IMPLANT EXUDATE Suppurative

Biopsy Comments:

The submitted fluid from the cranial implant is a suppurative exudate. No bacteria are observed in the Gram stained slide; however this does not rule out a pauciorganismal infection. Bacterial culture of the site should be considered if exudation continues.

1334

B2591 NRL 03
I.D. PROJECT CODE

CALIFORNIA PRIMATE
RESEARCH CENTER

VIRAL PRECAUTION

[REDACTED]
ANIMAL I.D.

INVESTIGATOR REQUESTOR

MISCELLANEOUS

2/21/20

DATE OF SAMPLE

ANIMAL DATA:
ROOM CAGE

M 9 YR 0 MO 16 KG
SEX AGE WEIGHT

PROCEDURE IS: DIAGNOSTIC AID: _____ COLONY MANAGEMENT: _____ EXPERIMENTAL: _____

CLINICAL SIGNS / PROBLEMS: <i>Re✓ Cranial Implant</i>	PRIOR THERAPY <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES LIST ALL AGENTS:
HOSPITALIZED <input checked="" type="checkbox"/> YES <input type="checkbox"/> ROOM CAGE	
BLEEDING CONDITIONS: <input type="checkbox"/> Squeezed - limb pulled <input type="checkbox"/> Caught on run <input type="checkbox"/> Fasted ____ hrs <input checked="" type="checkbox"/> Anesthetized <input type="checkbox"/> Other _____	
PROCEDURE(S) REQUESTED: <i>Cytology, Gram Stain</i>	

SPECIMEN: *Cranial Implant Margins*

RESULTS	<i>Suppurative exudate</i>
<p>The submitted fluid is composed of small to moderate numbers of neutrophils, which are often hypersegmented, and fewer eosinophils, erythrocytes, macrophages, and keratin, and streaming nuclear and cellular debris. No bacterial organisms are observed on Gram stain.</p>	
<p><i>2-25-2020</i></p>	

MISCELLANEOUS

PC9 2/2014

WHITE- ANIMAL'S CHART

YELLOW- LABORATORY

PINK- REQUESTOR

UCD 0649

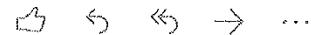
PR

Reply all ▾ Delete ⚡ Junk Block ⋮

Cytology: mmu 46136

GP

Tue 2/4/2020 4:55 PM



cnprc-outpatient; cnprc-hospital ✉

Hello,

The sample (mild serosanguinous exudate, caudal margin) contains proteinaceous fluid, erythrocytes, and small numbers of neutrophils. The neutrophil numbers are increased relative to the amount of blood and suggest an inflammatory response, but there are no bacteria identified in the gram stain.

Comparative Pathology Laboratory
California National Primate Research Center
University of California

674

6259, NEL03
I.D. PROJECT CODECALIFORNIA PRIMATE
RESEARCH CENTER VIRAL PRECAUTION[REDACTED]
ANIMAL I.D.

INVESTIGATOR REQUESTOR

ANIMAL DATA
ROOM CAGEM 9 YR 0 MO 16.3 KG
SEX AGE WEIGHTPROCEDURE IS: DIAGNOSTIC AID: _____ COLONY MANAGEMENT: _____ EXPERIMENTAL: _____

CLINICAL SIGNS / PROBLEMS: Int post op ventral implant w/ sc granule	PRIOR THERAPY LIST ALL AGENTS: many including steroids & abx
HOSPITALIZED <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> ROOM CAGE	
BLEEDING CONDITIONS: <input type="checkbox"/> Squeezed - limb pulled <input type="checkbox"/> Caught on run <input type="checkbox"/> Fasted _____ hrs <input type="checkbox"/> Anesthetized <input type="checkbox"/> Other _____	
PROCEDURE(S) REQUESTED: Cytology + gram stain	

SPECIMEN: Granule from ventral implant side

RESULTS

The sample primarily consisted of degenerate red blood cells and cellular debris mixed with small numbers of neutrophils which were often hypersegmented and rare mononuclear cells.

The gram stain did not demonstrate any bacteria.

The sample is most likely degenerate blood. The numbers of neutrophils present though is consistent with whole blood however many of them were hypersegmented.

MISCELLANEOUS

Post-operative monitoring record

Date: 1-21-20 Animal# mmu Procedure: Cranial implant

	Date	Date	Date	Date	Date	Date	Date
General Observations	1/22/20	1/23/20	1/24/20	1/25/20	1/26/20	1/27/20	1/28/20
Appetite	P	P	P	P	F	F	Fast
Hydration	S	G	C	G	G	G	G
Stool	N-pellets	N	N	N	N	N	N
Incision	CDI	CDI	CDI	CDI	CDI	CDI	CDI
Score							
Physiologic parameters							
Pupils							
Normal	0	∅	+	∅	+		
Dilated	2						
Respiratory Rate							
Eupenic	0	∅	+	∅	+		
Tachypnea	2						
Mucous membranes							
Pink	0	∅	+	∅	+		
Pale	2						
Posture							
Sitting/standing upright	0	∅	+	∅	+		
Hunched posture	1						
Head between knees	2						
Sitting, legs extended	2						
Recumbent	3						
Fetal position	3						
Activity							
Moving normally in cage	0	∅	+	∅	+		
Attention to wound	1						
Guarding wound	2						
Restless/pacing	2						
Lack of interest in environment	2						
Shivering/teeth grinding	3						
Immobile	3						
Ataxia, uncoordinated movement	3						
Vocalization							
Vocalizes when stimulated	0						
Lack of vocalization	0	∅	+	∅	+		
Loud vocalization	3						
High pitched vocalization	3						
Post-operative Score							
Initials:							

544

BZ59 / NKL03
I.D. PROJECT CODE

INVESTIGATOR

REQUESTOR

CALIFORNIA PRIMATE
RESEARCH CENTER

 VIRAL PRECAUTION

MMW

ANIMAL I.D.

1 / 21 / 20
DATE OF SAMPLE

ANIMAL DATA:
ROOM CAGE

M 8 YR 11 MO 16r2 KG
SEX AGE WEIGHT

PROCEDURE IS: DIAGNOSTIC AID

COLONY MANAGEMENT

EXPERIMENTAL

CLINICAL SIGNS / PROBLEMS: Pre Sx		PRIOR THERAPY <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES	
HOSPITALIZED <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES ROOM CAGE		FACS CD4= / µl CD8= / µl CD4/CD8 RATIO=	
BLEEDING CONDITIONS: <input type="checkbox"/> Squeezed - limb pulled <input type="checkbox"/> Caught on run <input type="checkbox"/> Fasted _____ hrs <input checked="" type="checkbox"/> Anesthetized <input type="checkbox"/> other _____			

COMPLETE BLOOD COUNT: ELECTRONIC CELL COUNT, SMEAR EVALUATION, PLASMA PROTEIN, FIBRINOGEN

<input type="checkbox"/> ELECTRONIC CELL COUNT			<input type="checkbox"/> SMEAR EVALUATION: TOTAL WBC 5.6 X 10 ³ / µl <input type="checkbox"/> CORRECTED WBC X 10 ³ / µl	PLATELETS: <input checked="" type="checkbox"/> ADEQUATE	
WBC	5.6	X 10 ³ / µl	DIFFERENTIAL	%	/ µl
RBC	5.34	X 10 ⁶ / µl	METAMYEOCYTES		
HEMOGLOBIN	12.9	gm/dl	BAND NEUTROPHILS		
HEMATOCRIT	39.3	%	SEG. NEUTROPHILS	49	2744
MCV	74	fL	LYMPHOCYTES	48	2688
MCH	24.1	pg	MONOCYTES	2	112
MCHC	32.8	pg/fL	EOSINOPHILS	1	56
PLATELETS	1.72	X 10 ⁵ / µl	BASOPHILS		
<input type="checkbox"/> RETICULOCYTES	%	X 10 ⁵ / µl	OTHER		
<input type="checkbox"/> PCV (CENTRIFUGED)			NRBC/100 WBC	ERYTHROCYTE MORPHOLOGY: <input checked="" type="checkbox"/> ESSENTIALLY NORMAL	
<input type="checkbox"/> PLASMA PROTEIN 7.6 gm/dl			<input type="checkbox"/> HYPOCHROMASIA <input type="checkbox"/> +1 <input type="checkbox"/> +2 <input type="checkbox"/> +3 <input type="checkbox"/> +4		
<input type="checkbox"/> PLASMA COLOR: <input checked="" type="checkbox"/> NO ABNORMALITIES			<input type="checkbox"/> POLYCHROMASIA <input type="checkbox"/> +1 <input type="checkbox"/> +2 <input type="checkbox"/> +3 <input type="checkbox"/> +4		
<input type="checkbox"/> HEMOLYZED			<input type="checkbox"/> LEPTOCYTOSIS <input type="checkbox"/> +1 <input type="checkbox"/> +2 <input type="checkbox"/> +3 <input type="checkbox"/> +4		
<input type="checkbox"/> ICTERIC			<input type="checkbox"/> POIKILOCYTOSIS <input type="checkbox"/> +1 <input type="checkbox"/> +2 <input type="checkbox"/> +3 <input type="checkbox"/> +4		
<input type="checkbox"/> LIPEMIC			<input type="checkbox"/> ANISOCYTOSIS <input type="checkbox"/> +1 <input type="checkbox"/> +2 <input type="checkbox"/> +3 <input type="checkbox"/> +4		
<input type="checkbox"/> FIBRINOGEN 100 mg/dl			<input type="checkbox"/> ROULEAUX <input type="checkbox"/> +1 <input type="checkbox"/> +2 <input type="checkbox"/> +3 <input type="checkbox"/> +4		

REPORTED BY:

REPORT DATE: 1-22-20

CLINICAL HEMATOLOGY

345

BZ59, NEL03
I.D. PROJECT CODECALIFORNIA PRIMATE
RESEARCH CENTER VIRAL PRECAUTION
MMW [REDACTED]
ANIMAL I.D.

INVESTIGATOR [REDACTED]

REQUESTOR [REDACTED]

ANIMAL DATA [REDACTED]

ROOM CAGE

CLINICAL
BIOCHEMISTRY

1/21/20

DATE OF SAMPLE

M 8 YR 11 MO 16.2 KG
SEX AGE WEIGHTPROCEDURE IS: DIAGNOSTIC AID COLONY MANAGEMENT EXPERIMENTAL

CLINICAL SIGNS / PROBLEMS: <i>Pre-Sx</i>				PRIOR THERAPY LIST ALL AGENTS:	<input type="checkbox"/> NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>
HOSPITALIZED	NO <input type="checkbox"/>	YES <input checked="" type="checkbox"/>	[REDACTED]	TIME DRAWN	9 AM PM
ROOM	CAGE				TEMP °C

DIETARY STATUS: UNKNOWN FED FASTED HOURS COMMENTS:

SAMPLE: SERUM HEPARINIZED PLASMA CITRATED BLOOD URINE SAMPLE COLOR: NO ABNORMALITIES
 HEMOLYZED ICTERIC LIPEMIC

PANEL: PP2 PP3 CHEM 20 SPECIAL PANELS CLINICAL SERUM BANK
 (ARRANGE WITH LAB) BOX _____ SLOT _____

SERUM/PLASMA								URINE			
#	TEST	RESULTS	UNITS	#	TEST	RESULTS	UNITS	#	TEST	RESULTS	UNITS
1	SODIUM (SHP)	145	mM/L	15	CPK (S.HP)	643	U/L	25	pH		
2	POTASSIUM (S.HP)	3.9	mM/L	16	ALK PHOS (S.HP)	96	U/L	26	SODIUM		mmol/L
3	CHLORIDE (S.HP)	105	mM/L	17	GGT (S.HP)	83	U/L	27	POTASSIUM		mmol/L
4	TCO ₂ (S.HP)	30	mM/L	18	LDH (SHP)	948	U/L	28	CHLORIDE		mmol/L
5	ANION GAP (3+4)-(1+2)	14		19	CHOLESTEROL (S.HP)	123	mg/dl	29	PHOSPHOROUS		mg/dl
6	PHOSPHOROUS (S)	3.4	mg/dl	20	TRIGLYCERIDE (S.HP)	181	mg/dl	30	CALCIUM		mg/dl
7	CALCIUM (SHP)	9.7	mg/dl	21	BILI TOTAL (S.HP)	0.2	mg/dl	31	MAGNESIUM		mg/dl
8	BUN (S,HP)	18	mg/dl	22	DIRECT	0.0	mg/dl	32	CREATININE		mg/dl
9	CREATININE (S,HP)	0.9	mg/dl	23	INDIRECT		mg/dl	33	MICRO PROTEIN		mg/dl
10	GLUCOSE (S,P,HP)	33	mg/dl	24	hsCRP	2	mg/l	34	P/C RATIO		mg/dl
11	TOTAL PROTEIN (S)	7.2	g/dl					35	OSMOLALITY		mOsm/kg
12	ALBUMIN (S)	3.9	g/dl								
13	ALT (S,HP)	29	U/L								
14	AST (S,HP)	39	U/L								

REPORTED BY [REDACTED]

DATE: 1-22-20

PERFORMED BY: CNPRC VMTH OTHER

CLINICAL BIOCHEMISTRY

CALIFORNIA PRIMATE RESEARCH CENTER INTERVENTION / SURGERY		PROJECT: NRL03	ANIMAL SP ID# MMU [REDACTED]	DATE OF EVENT MO DAY YR 1/21/20
PROCEDURE: Cranial Implant		ROOM [REDACTED]	AGE: 8y11m	
INVESTIGATOR: [REDACTED]		CAGE: [REDACTED]	SEX: M	
REQUESTOR: [REDACTED]		W/O: 4531	WT: 16.2 kg	
SNOMED CODES		CODED BY:cm	SNOMED TERMS	
Circle one: Experimental (X) / Colony (SN)				
T-10101	P-yy444	Craniotomy		
T-10101	P-1000	Surgical Incision		
T-X2070, T-X2080	P-Y8971	L/R Recording Device Implantation		
T-X2070, T-X2080	P-YY041	L/R Electrophysiology Readings		
T-10101	P-1640	Surgical closure		
DESCRIPTION OF PROCEDURES PERFORMED				
Procedure: Electrode insertion survivability study				
<p>Animal prepared for surgery in normal manner. Once sedated thoroughly on isoflurane and fentanyl, the animal's head was placed into the stereotaxic frame. The head was steriley prepped. Midline incision made approximately 6cm in length. Fascia incised and temporalis muscle elevated bilaterally from temporal ridges. Approximately 15 millimeters anterolateral to bregma, two 9mm burr holes were made on each side using a cranial perforator. Exposed dura was excised. Microelectrode implants were placed using investigational robotics. Surgiflo and titanium plate were used to seal burr hole. This process was repeated on the right hemisphere. A single separate stab incision was made 1 cm posterior to the primary incision in the midline and a transcutaneous port was passed through the incision. The main midline incision was closed in an inverted, interrupted fashion using 2-0 and 3-0 vicryl in the fascia. The skin was closed using a 4-0 monocryl running subcuticular stich. Electrophysiology was undertaken. Animal removed from stereotax and monitored.</p>				
Estimated blood loss: approximately 15cc.				
TIME IN: 83M	POST OPERATIVE CARE:			
TIME OUT: 400	Hydromorphone TID Q4h x3 days Buprenex SID (pm dose only) x3 days Dexamethasone SID x7 days Cefazolin BID x7 days Omeprazole SID x7 days Famotidine SID x3 days Levetiracetam BID x7 days			
SURGEON: [REDACTED] [REDACTED]	ASSISTANT: [REDACTED] [REDACTED]	ANESTHETIST: [REDACTED] [REDACTED]		

Animal Chart

Data Entry

Surgery

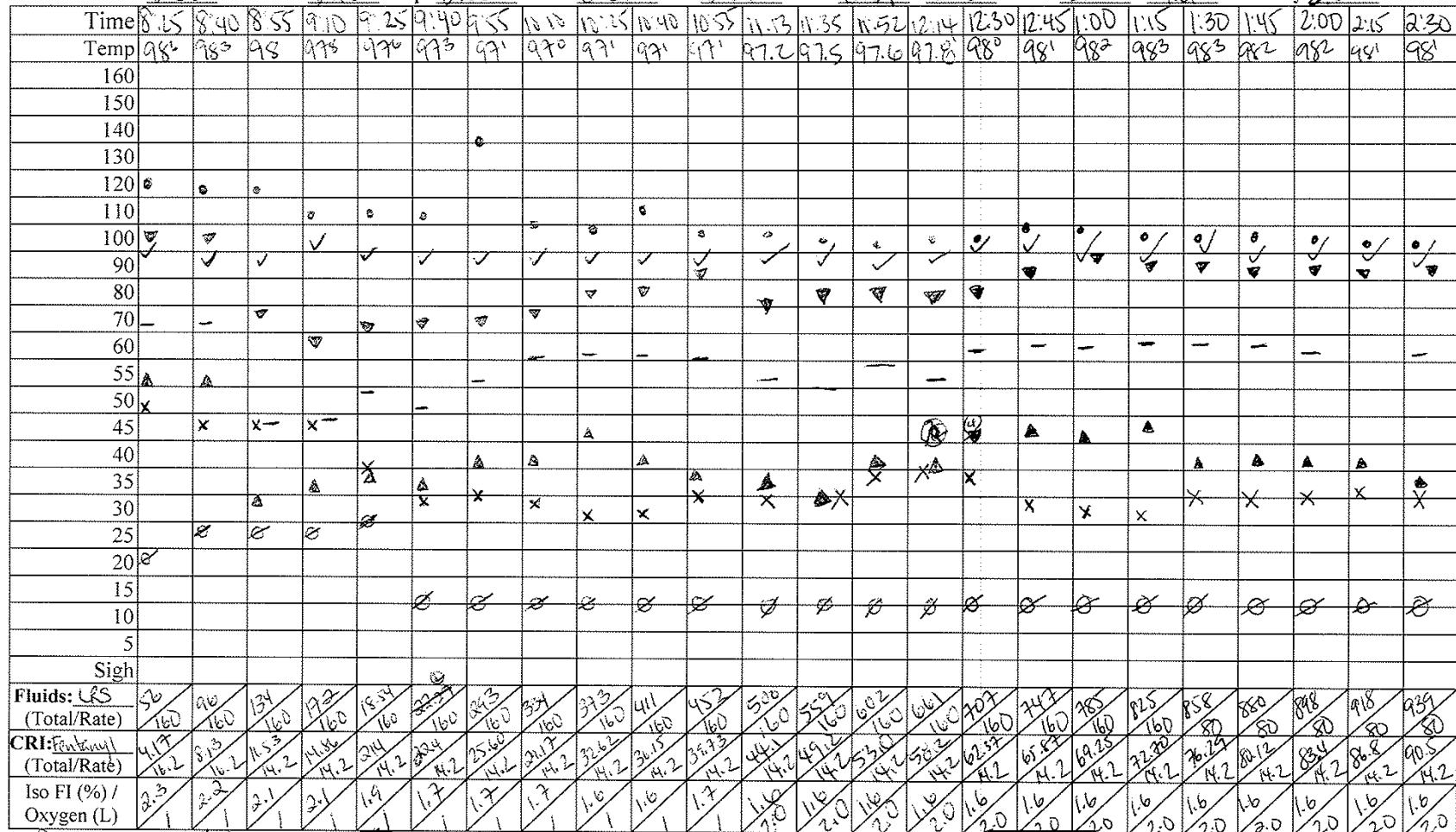
Requestor Veterinarian

UCD 0655

California National Primate Research Center: Anesthesia Monitoring Sheet
 Animal: MMU Home Room: Date: 1-21-10 Age: 30.5
 Procedure: Neuro SX ET Tube Size: 6.0 Investigator: Sex: M F Wt. (Kg) 13.45
 W/O#: 4531 Project/ID: NRL03/B259

Pre-Anesthesia:	Dose/Amount:	Route:	Time:	Intra-Op:	Dose/Amount:	Route:	Time:	Intra-Op:	Dose/Amount:	Route:	Time:
Fentanyl	1.5	IM	8:21	Cefazolin	1.2ml	IV	9:00A				
				Mannitol	40ml/20 min	IV	10:30A				
				Cefazolin	1.2ml	IV	11:00A				
				Cefazolin	1.2ml	IV	11:00P				

Del: S:00 Sx Table: S:10 Prep: S:20 Start: 8:34 Cut: 8:34 Proc: 8:34 - 9:25 Close: 9:30 - 10:00 Recovery 10:00



Fluids: LRS	50	40	30	20	15	10	5	Sigh	50	40	30	20	15	10	5
(Total/Rate)	160	160	134	172	160	160	160		160	160	160	160	160	160	160
CRI:Fentanyl	4.17	8.13	11.53	14.2	21.4	31.4	41.2		21.7	32.6	41.2	41.2	41.2	41.2	41.2
(Total/Rate)	16.2	16.2	16.2	16.2	14.2	14.2	14.2		16.0	16.0	16.0	16.0	16.0	16.0	16.0
Iso Fl (%) /	2.3	2.2	2.1	2.1	1.9	1.7	1.7		1.7	1.6	1.6	1.6	1.6	1.6	1.6
Oxygen (L)	1	1	1	1	1	1	1		1	1	1	1	1	1	1

(1) Incorrect Ch 162 20°C error 380ml 5% 1/2/10 (4) Error dictated (5) Incorrect patient MMU (6) Incorrect age 8 yrs

Ketamine 100mg/ml, Dexmedetomidine 0.5mg/ml, Atipamezole 5mg/ml, Ketoprofen 100mg/ml, Cefazolin 330mg/ml, Atropine 0.4mg/ml, Hydromorphone 10mg/ml, Buprenorphine 0.3mg/ml

Oxytocin 20 Units/ml, Diluted Fentanyl 10mg/ml, Valium 5mg/ml, Propofol 10mg/ml

Animal Chart (Original) Anesthesia (Copy)

(7) Incorrect wt. 15.9kg

Initials

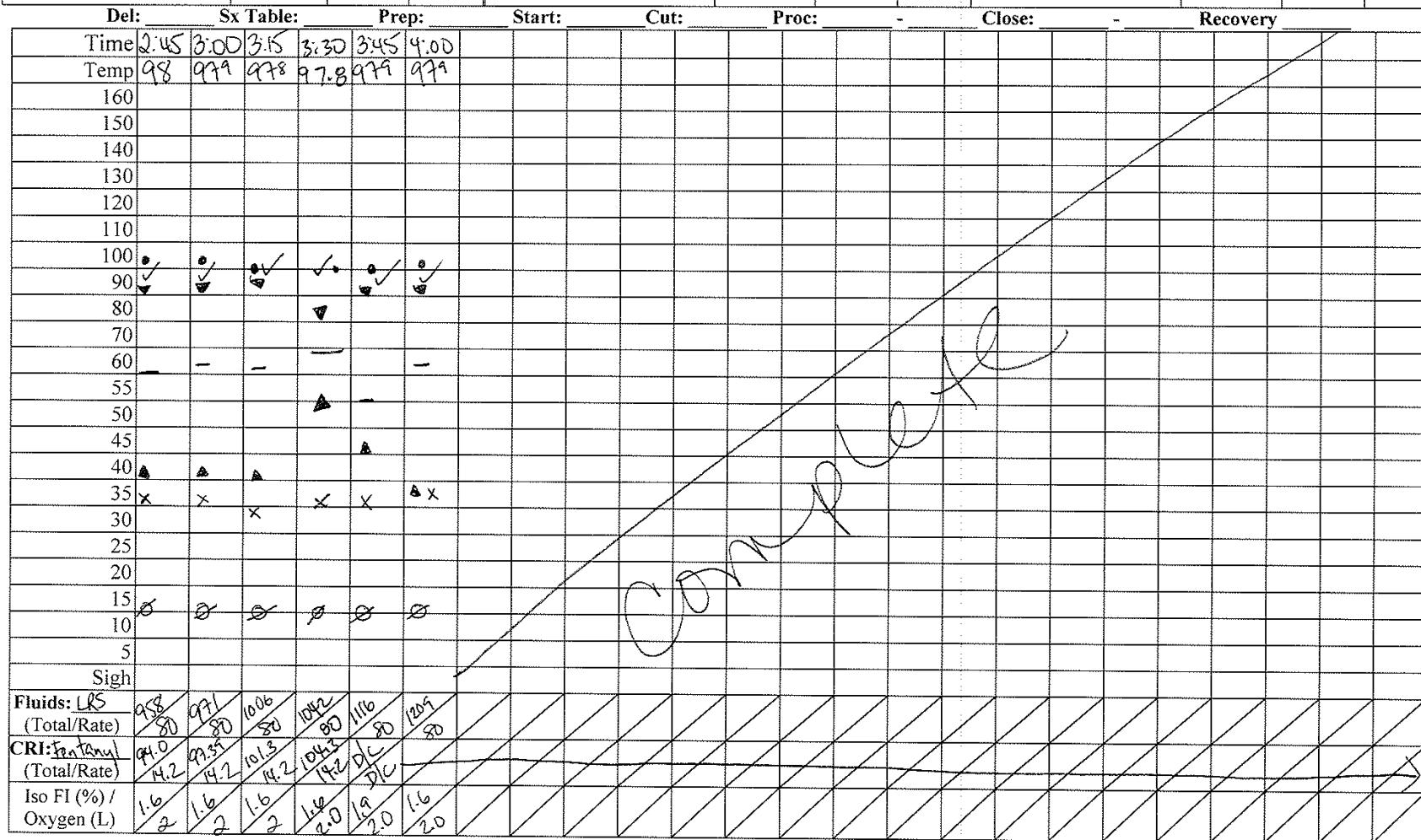
rev.6/19-PC15A

California National Primate Research Center: Anesthesia Monitoring Sheet
 Animal: MMU [REDACTED] Home Room: [REDACTED] Date: 1-21-20 Age: 8yr Sex: M/F Wt. (Kg) 15.9
 Procedure: Neuro SX ET Tube Size: 6.0 Investigator: [REDACTED] W/O#: 4531 Project/ID: NPL03/B259

UCD 0657

HR - ●, RR - ○, ETCO₂ - X, SP02 - △, Sigh - S, VENT - Ø, MAP - , Sys - ▼, Dias - ▲

Pre-Anesthesia:	Dose/ Amount:	Route:	Time:	Intra-Op:	Dose/ Amount:	Route:	Time:	Intra-Op:	Dose/ Amount:	Route:	Time:
				Cefazolin	1.2ml	IV	3:00p.				
				Hydromorphone	1.2ml	IV	3:55p				



Ketamine 100mg/ml, Dexmedetomidine 0.5mg/ml, Atipamezole 5mg/ml, Ketoprofen 100mg/ml, Cefazolin 330mg/ml, Atropine 0.4mg/ml, Hydromorphone 10mg/ml, Buprenorphine 0.3mg/ml, Oxytocin 20 Units/Ml, Diluted Fentanyl 10mg/ml, Valium 5mg/ml, Propofol 10mg/ml
 Animal Chart (Original) Anesthesia (Copy)

Initials: [REDACTED]

rev.6/19-PC15A

Page 2 of 2

4748

B859, NR262
I.D.
PROJECT CODE

INVESTIGATOR

REQUESTOR

ANIMAL DATA

ROOM

CAGE

PROCEDURE IS: DIAGNOSTIC AID

CALIFORNIA PRIMATE
RESEARCH CENTER

HEMATOLOGY

VIRAL PRECAUTION

MMU

ANIMAL I.D.

9 / 28 / 18

DATE OF SAMPLE

M F YR MO 13.82 KG
SEX AGE WEIGHT

EXPERIMENTAL

CLINICAL SIGNS / PROBLEMS:		PRIOR THERAPY <input type="checkbox"/> NO <input type="checkbox"/> YES
		FACS CD4= / μ l <input type="checkbox"/> 3-4-8-20 CD8= / μ l <input type="checkbox"/> 4- COLOR <input type="checkbox"/> Special Panel CD4/CD8 RATIO=
HOSPITALIZED <input type="checkbox"/> NO <input type="checkbox"/> YES		ROOM CAGE
BLEEDING CONDITIONS: <input type="checkbox"/> Squeezed - limb pulled <input type="checkbox"/> Caught on run <input type="checkbox"/> Fasted hrs <input type="checkbox"/> Anesthetized <input type="checkbox"/> other		

<input type="checkbox"/> ELECTRONIC CELL COUNT			<input type="checkbox"/> SMEAR EVALUATION: TOTAL WBC 9.6 X 10 ³ / μ l <input type="checkbox"/> CORRECTED WBC X 10 ³ / μ l			PLATELETS: <input checked="" type="checkbox"/> ADEQUATE
WBC	9.6	X 10 ³ / μ l	DIFFERENTIAL	%	/ μ l	<input type="checkbox"/> DECREASED <input type="checkbox"/> +1 <input type="checkbox"/> +2 <input type="checkbox"/> +3
RBC	4.76	X 10 ⁶ / μ l	METAMYELOCYTES			<input type="checkbox"/> INCREASED <input type="checkbox"/> +1 <input type="checkbox"/> +2 <input type="checkbox"/> +3
HEMOGLOBIN	11.6	gm/dl	BAND NEUTROPHILS			<input type="checkbox"/> LARGE PLATELETS
HEMATOCRIT	35.2	%	SEG. NEUTROPHILS	61	5856	<input type="checkbox"/> CLUMPED
MCV	74	fL	LYMPHOCYTES	31	2976	ERYTHROCYTE MORPHOLOGY: <input checked="" type="checkbox"/> ESSENTIALLY NORMAL
MCH	24.3	pg	MONOCYTES	5	480	<input type="checkbox"/> HYPOCHROMASIA <input type="checkbox"/> +1 <input type="checkbox"/> +2 <input type="checkbox"/> +3 <input type="checkbox"/> +4
MCHC	32.9	pg/fL	EOSINOPHILS	3	288	<input type="checkbox"/> POLYCHROMASIA <input type="checkbox"/> +1 <input type="checkbox"/> +2 <input type="checkbox"/> +3 <input type="checkbox"/> +4
PLATELETS	3.72	X 10 ⁵ / μ l	BASOPHILS			<input type="checkbox"/> LEPTOCYTOSIS <input type="checkbox"/> +1 <input type="checkbox"/> +2 <input type="checkbox"/> +3 <input type="checkbox"/> +4
<input type="checkbox"/> RETICULOCYTES	%	X 10 ⁵ / μ l	OTHER			<input type="checkbox"/> POIKILOCYTOSIS <input type="checkbox"/> +1 <input type="checkbox"/> +2 <input type="checkbox"/> +3 <input type="checkbox"/> +4
<input type="checkbox"/> PCV (CENTRIFUGED)			NRBC/100 WBC			<input type="checkbox"/> ANISOCYTOSIS <input type="checkbox"/> +1 <input type="checkbox"/> +2 <input type="checkbox"/> +3 <input type="checkbox"/> +4
<input type="checkbox"/> PLASMA PROTEIN 7.9 gm/dl						<input type="checkbox"/> ROULEAUX <input type="checkbox"/> +1 <input type="checkbox"/> +2 <input type="checkbox"/> +3 <input type="checkbox"/> +4
PLASMA COLOR: <input type="checkbox"/> NO ABNORMALITIES <input checked="" type="checkbox"/> HEMOLYZED MOD <input type="checkbox"/> ICTERIC <input type="checkbox"/> LIPEMIC			COMMENTS: PARTIALLY CLOTTED SAMPLE <input type="checkbox"/>			
<input type="checkbox"/> FIBRINOGEN 400 mg/dl						

REPORTED BY: [REDACTED]

REPORT DATE: 9-28-18

CLINICAL

HEMATOLOGY

White - Animal's Chart

Yellow - Laboratory

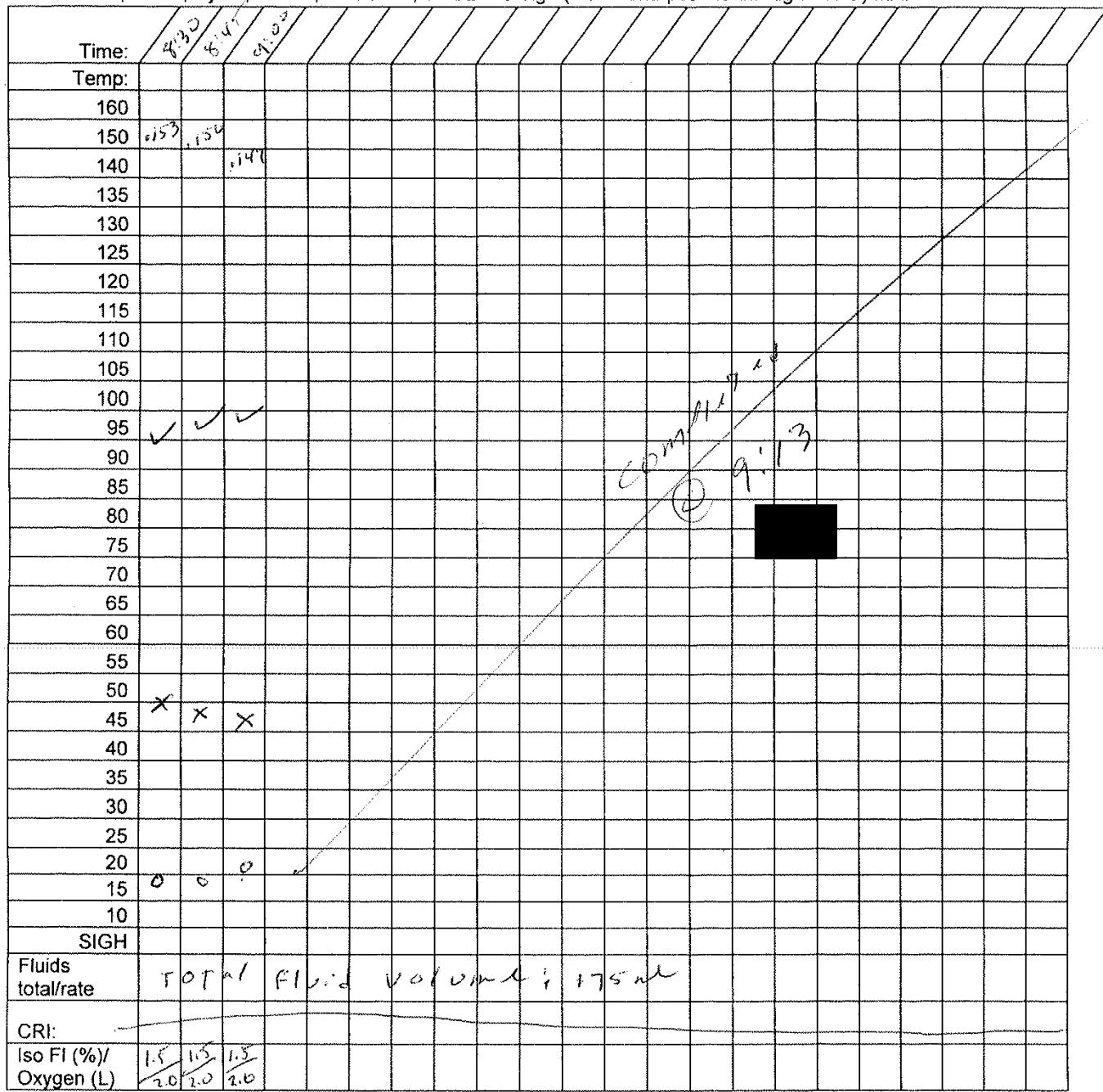
Pink - Requestor

California National Primate Research Center Anesthesia Monitoring pg. 1 of 1

Animal Species and Number: Mu Home Room: Date: 7/25/18
 Wt (kg): 13.46 Age: 7y5m Sex: MF Procedure: MRI ET Tube size: 6.0
 Investigator: W/O# 2244 Project: ANRLO2 IV Catheter Placement: (B) Sph

Pre-Anes Drug:	Dose /Amt:	Route:	Time:	Intra-op. Drugs:	Dose/Amt:	Route:	Time:
Ketamine	1.5ml	IM	8:10	Ketoprofen	0.67ml	IM	9:21

Fluid Type LRS Additives: Temp Probe: Y/N Blood pressure Cuff: Y/N
 HR-●, RR-○, Sys-▼, Dias-▲, ETCO2-X, SPO2-√ S-sigh (if on Vent. put line through RR-O) MAP -



Ketamine 100mg/mL Dexmedetomidine 0.5mg/mL Atipamezole 5mg/mL Ketoprofen 100mg/mL
 Cefazolin 330mg/mL Atropine 0.4mg/mL Oxymorphone 1.0mg/mL Buprenorphine 0.3mg/mL

PC 15 Oxytocin 20.00 Units/mL Fentanyl 50.00mcg/mL Valium 5.00mg/mL

Initials:

UCD 0659

Expt

**Physical Exam Certificate
California National Primate Research Center**

Animal number: **MWU**

Location: [REDACTED]

Date of exam: **9/28/17**

Purpose of exam (circle one): QU Screen-In QU Screen-Out Weaning Pre-project Pre-shipment

Details of Study/Sale requirements: **NBL01 LgSole Brain-Machine Interface**

Negative TB Test Date: **9/28/17**

Physical exam findings: (to be completed by Veterinary staff)

Weight: **1227** Temp: **104** HR: **170** RR: **52** BCS: **25** Gender: **M** F Comments:

Integument	NAO	A	NE	[REDACTED]
Oral Cavity	NAO	A	NE	[REDACTED]
Eyes	NAO	A	NE	[REDACTED]
Ears	NAO	A	NE	[REDACTED]
Musculoskeletal	NAO	A	NE	[REDACTED]
Thoracic Auscultation	NAO	A	NE	[REDACTED]
Abdominal Palpation	NAO	A	NE	[REDACTED]
Spleen	NAO	A	NE	[REDACTED]
Liver	NAO	A	NE	[REDACTED]
Lymph Nodes	NAO	A	NE	[REDACTED]
Urogenital	NAO	A	NE	[REDACTED]
Other:				

Review of animal health record: (to be completed by Research Services or Veterinary staff)

Date: **9/28/17** Dates Reviewed: **4/11** Reviewers initials: [REDACTED]

Comments: **Mild Par app reports post-relocation; Minor digit trauma resolved.**

Laboratory Results and review: (to be completed by Research Services or Veterinary staff)

Date: **9/28/17** CBC ECC CHEM U/A R/C Parasitology Reviewers initials: [REDACTED]

Comments: **CBE-WNL Chem-WNL**

Imaging studies: (to be completed by Veterinary staff)

Date: _____ Radiographs: _____ U/S exam: _____

Comments: _____ Reviewers initials: _____

Recommendation:

I certify that this animal has been examined and to the best of my knowledge is:

- [REDACTED] Approved for project Comments: _____
[REDACTED] Approved for project pending lab review _____
[REDACTED] Approved for shipment _____
[REDACTED] Stable weanling _____
[REDACTED] Other _____

Examining Veterinarian: [REDACTED] Date: **6/14/17**

CALIFORNIA PRIMATE RESEARCH CENTER INTERVENTION / SURGERY			PROJECT: NRL02	ANIMAL SP MMU ID# [REDACTED]	DATE OF EVENT MO DAY YR 12/18/2017
PROCEDURE: Vasectomy - Autoligation			ROOM: [REDACTED]	AGE: 6y 10m	
INVESTIGATOR: [REDACTED]			CAGE: [REDACTED]	SEX: M	
REQUESTOR: [REDACTED]			W/O: 4118	WT: 13.1 KG	
SNOMED CODES		CODED BY:		SNOMED TERMS	
Circle one : Experimental (XI) / Colony (SN)					
T-78800	P-11070	Vasectomy			
DESCRIPTION OF PROCEDURES PERFORMED					
<p>An approximately 2 cm incision was made just caudal to each inguinal ring over the spermatic cord through the skin, subcutaneous tissues and tunica vaginalis. The vas deferens were bluntly dissected free. The vas deferens were transected, and the testicular ends were tied in an autoligation knot for occlusion. 3-0 Vicryl ligatures were placed on both the testicular and prostatic ends. The tunica was closed with 3.0 Vicryl in a simple continuous pattern. The skin was closed using 3.0 Vicryl in an intradermal pattern.</p>					
TIME IN: 900	POST OPERATIVE CARE: CIRCLE BELOW				
TIME OUT: 910	BUPRENEX IM SID X 1 DAY (given peri operatively) KETOPROFEN IM SID x 3 DAYS				
SURGEON: [REDACTED]	ASSISTANT: [REDACTED]	1		ANESTHETIST: [REDACTED]	
Animal Chart	Data Entry	Surgery		Requestor Veterinarian	

UCD 0661

Date	Weight (kg)	Appetite (G, F, P) ⊕	Hydration (G, F, P) ⊕	Stool (N, SS, L, B) ⊕	Observations	Initials
3/19/2020	MMU	[REDACTED]	[REDACTED]	[REDACTED]	LOCATION: [REDACTED] / 1.6 MLS KET	
WT:	CAGE TIME: 9:25	15MIN 2	30MIN 2	45MIN 3	1HR 1.25HR 1.5HR 1.75HR 2HR	
3/20/20	G G N	SO: BAR, OP: cranial implant, (P) Re: poor app above 10; animal also verbally reported for emesis after eating more chow + supps. Vomit was cleaned prior to observation. Ate no chow yesterday, ate 8 chow this morning. On observation - Ate fig bars + grapes, readily moved around cage + appeared bright/active. A: stable cranial implant animal, 2 nd recent report for poor app, wt stable P: CTM on OP 1X/WK				
3/23/20	G G N	SO: BAR OPM: cranial implant Implant is CDT, No d/c or scrubbing skin apposed well to implant. MMU does not appear to be picking. A: Stable cranial implant. P: D/C from OPM, CTM on LOP, cont w/ scheduled implant cleanings.				
3-26-20		MMU [REDACTED] W/O 6696 NRL03 1.6 KET / [REDACTED] CAGE TIME: 9:40 15MIN 1 30MIN 2 45MIN 3 1HR 1.25HR 1.5HR 1.75HR 2HR				
3-26-20	Cranial Implant CLEANING 1.6 mls Ketamine ____ mls Dexmedetomidine/Atipamizole reversal or chaired cleaning Implant/post edges cleaned and hair trimmed Novisap/Betadine was used to clean the implant. Discharge: (Y) / N MODERATE CRUSTINOSIS AROUND IMPLANT Amount of discharge: A SMALL DROP OF DISCHARGE SIDE, Color: Rats Additional Treatment:					<u>VET COLLECTED CULTURE</u> <u>+ SLIDES. IMPLANT IS</u> <u>LOOSE TODAY ANCHORED A</u> <u>LITTLE IN THE BACK + LEFT</u>

Date	Weight (kg)	Appetite (G, F, P) ⊕	Hydration (G, F, P) ⊕	Stool (N, SS, L, BI) ⊕	Observations	Initials
3/10/20					A stable animal w/ cranial implant	
					P: VISV IxIWK on OP, continue regular implant cleaning	
3-11-20	G G CC	SO BAN, RE: crusty head; mild crusty scabs built up at margins. Animal Active -NEDD.			Animal seems to be leaving alone. NO swelling or erythema noted. A: Stable implant. Animal.	
					P: CTM on mit on opm.	
3-11-20					<u>Cranial Implant CLEANING</u> 0 mls Ketamine 0 mls Dexmedetomidine/Atipamizole reversal Implant/post edges cleaned and hair trimmed Nolvasan Betadine was used to clean the implant. Discharge: Y / N MILD CRUSTINNESS AROUND Amount of discharge: THE EDGE OF THE IMPLANT Color: Additional Treatment: —	
3/15/20	G G N	SO: BAN, paired RE: crusty head ; mild crusting at skin margins, no moisture, bright & active, no attention to skin margins or implant				
3/16/20	P G N	SO: BAN (P) OP: cranial implant; RE: poor app; according to chow log, MMU ate 0/9 pm chow. Did not receive extra meal yesterday. Readily ate offered fig bars. implant margin C+D w/ mild scabbing.			A: 1st recent report of poor app	
					P: CTM IxIWK on OP for cranial implant, + as reported	
3-19-20					<u>Cranial Implant CLEANING</u> 18 mls Ketamine ____ mls Dexmedetomidine/Atipamizole reversal Implant/post edges cleaned and hair trimmed Nolvasan Betadine was used to clean the implant. Discharge: Y / N NO CRUSTINNESS AROUND Amount of discharge: IMPLANT Color: Additional Treatment: NONE	

Date	Weight (kg)	Appetite (G, F, P) ⊕	Hydration (G, F, P) ⊕	Stool (N, SS, L, B) ⊕	Observations	Initials
2/29/20	until				A: Stable implant. P: see 2/25.	[REDACTED]
3/3/20	6.0	so	so	so	P: OPM (P) cranial implant Skin edges are clean & not inflamed Skin appears healthy no d/c Cytology (2/25) suppurative exudate no bacteriation and no pauciorganismal inf. A: Stable implant currently P: weekly consider rev cytology + culture when excel implant	[REDACTED]
3/3/20					<u>Cranial Implant CLEANING</u> mls Ketamine mls Dexmedetomidine/Atipamizole reversal or chaired cleaning Implant post edges cleaned and hair trimmed Novisan/Betadine was used to clean the implant. Discharge: Y / N Amount of discharge: N/A Color: N/A Additional Treatment: N/A	[REDACTED]
3/6/20	G G N	so	so	so	BAR (P) OPM: cranial implant. Margins CDT NEDD, MMU does not appear to be picking. A/p - see 3/3	[REDACTED]
3/6/20	15.8				Bar weight	[REDACTED]
3/8/20	6.0	so	so	so	BAR (P) Re: crusty head, confirmed with crossing around the implant no erythema or d/c A/p see 3/3	[REDACTED]
3-10-20	G G C	so	so	so	BAR (P) Re: head crusty bloody: mild crusty built up at margins. NO picking noted at observation. Animal is active - NEDD. A/p see 3/3	[REDACTED]
3/10/20	6.6 N	so	so	so	OP: cranial implant; margin is Ld w/ u. mild scaling. no erythema or d/c	[REDACTED]

Date	Weight (kg)	Appetite (G, F, P) ⊕	Hydration (G, F, P) ⊕	Stool (N, SS, L, B) ⊕	Observations	Initials
2/21/20	G G N	S: BAR, P) OPM: Cranial implant - Re: Crusty head. Margins wNL, no crusting head implant (OI - NO d/c. NEPD. A: Stable head implant P: Vis ✓ 1x/week Consider DIC to LTOP if remains stable				[REDACTED]
2/25/20	G G or	C: G (LSSD - BAR) P) OPM: Cran implant - margins are v. clean A: Stable implant P: ✓ 1/wk d if no problems/ remains stable consider ✓ to LTOP				[REDACTED]
2-26-20	G G or	S: BAR P) op/Re: crusty head; mild crusty build up around head implant. Implant dry and will be cleaned later today. Animal stable. A/p see above 2/25.				[REDACTED]
2-26-20		<u>Cranial Implant CLEANING</u> <u>0</u> mls Ketamine <u>0</u> mls Dexmedetomidine/Atipamizole reversal Implant/post edges cleaned and hair trimmed <u>No</u> <u>vasan</u> Betadine was used to clean the implant. Discharge: Y / <u>N</u> <u>very</u> <u>mild</u> <u>crustiness</u> Amount of discharge: <u>around</u> <u>the</u> <u>edge</u> <u>of</u> <u>the</u> Color: <u>skin</u> . Additional Treatment: <u>none</u>				
2-28-20	G G N	S: BAR (P) op: cranial implant: Implant looks C+D - NO crusty build up. NO Erythema or swelling noted. Animal is active with NO EPO. Animal stable.				[REDACTED]
2/29/20	G G N	S: BAR (P) Re: crusty head; & crust, &/o, swelling, or eryth. seen & implant. NEPD.				[REDACTED]

Date	Weight (kg)	Appetite (G, F, P) ⊕	Hydration (G, F, P) ⊕	Stool (N, SS, L, B) ⊕	Observations	Initials
2/20/20					Area/skin around cran implant is very clean P. CM 1/wk	[REDACTED]
2-21-20	15.80				1.8 mls Ket. BCS = 3.5 TB Test: R/ Eye wt. 15.80	2/21/20 Tartar: 0 ① 2 3 4 Teeth Scaled/N 24hr — 48hr — 72hr —
					ANIMAL MONITORED UNTIL RECOVERED	[REDACTED]
2/21/20	fast N				SO: BAR, P, OPM: Cranial implant. Small amount of yellow crusting at implant margin w/ yellow discoloration. Noted small amt of scratching at head implant during observation. No erythema at implant, possible mild swelling at implant margins. moving well pupils WNL.	[REDACTED]

PHYSICAL EXAM

Date 2/21/20 Weight 15.80 BCS 3.5

HR 156 RR 30 TEMP 100.1

 Project Code Shave Tattoo

1. Integument Stable cr. implant
2. Oral Cavity mild tartar, scraped
3. Eyes WNL
4. Ears WNL
5. Musculoskeletal WNL
6. Thorax Auscultation WNL
7. Abdominal Palpation WNL
8. Spleen WNL
9. Liver WNL
10. Lymph Nodes WNL
11. Urogenital WNL
12. Rectal Palpation NE

Animal may be unpaired or individually housed while receiving veterinary care

SO: Expressed 1 drop serum fluid from skin margin. very mild crusting. Skin adhered to underlying tissue, sm. amt excess skin, but no swelling + edges not rolling in. Subcutaneous fatology SRA cleaned w/ DNS

A: Stable implant P: VTS J 1x/wk, if remains stable, consider D/C to DPA

D: PAPs incorrectly numbered

Date	Weight (kg)	Appetite (G, F, P) ⊕	Hydration (G, F, P) ⊕	Stool (N, SS, L, B) ⊕	Observations	Initials
2/11/20	6.6	G	G	N	SU: POAR (Prior to implant clearing) mild crusting around implant - no erythema or swelling [REDACTED]	[REDACTED]
2/12/20	6.6	G	G	N	SU: POAR (Implant clearing yesterday) OPM cranial implant clear today A: Stable weight P: Weight 1x/wk [REDACTED]	[REDACTED]
2-12-20	G	G	CC		SU: Bar: op, cranial implant / re: bloody head ; Implant area has mild scab built up with dried blood in front. possible picking by animal. A: stable Animal / implant. P: CTM per A/p on 2-12-20 above, on opm. [REDACTED]	[REDACTED]
2/14/20	F	G	N		SU: BAR, P OPM: Cranial implant. Ate treats no neurological signs. Implant intact, margins have yellow crusting w/possible mild swelling at margins. NEPD. A: Mild crusting and swelling at head implant P: Implant 1x/week CTM on OPM, SRM's to perform implant cleanings [REDACTED]	[REDACTED]
2/16/20	6.6	G	G	N	SU: BAR, Re: Poor appetite. Ate chow and did/did not eat forage, did/did not eat fresh fruit / treats. A: Poor, Fair, Good appetite. 1st recent confirmed report. P: CTM on MH / OP [REDACTED]	At all chow (AM) per food 10g. NEPD.
2/17/20	G	G	CC		SU: BAR re: poor app ; no chow in cage, all treats / supplements eaten, eagerly took treats, animal is paired. A: 2nd recent report for poor app P: CTM on routine MTT [REDACTED]	[REDACTED]
2/20/20	C	C	O	N	CO: POAR OPM Cranial implant [REDACTED]	[REDACTED]

① DEG [REDACTED] 2-12-20

Obs Form 12-16-2011

G = Good, F = Fair, P = Poor, N = Normal, SS = Semi Solid, L = Liquid, B = Bloody

Dose incorrectly Numbered [REDACTED] 3/30/20

Nestor Standard Prism concentrations: Potassium 100mg/mL, Dexamethasone 0.5mg/mL, Atropine sulfate 0.01mg/mL, Diphenoxylate 0.01mg/mL, Phenothiazine 0.01mg/mL

UCD 0670

Date	Weight (kg)	Appetite (G, F, P) ⊕	Hydration (G, F, P) ⊕	Stool (N, SS, L, B) ⊕	Observations	Initials
2-6-20	G G	G	C	A	SO BAR, RE: crusty hair; Animal has mild scarring around implant. Animal Active with NEPD. Readily took treats and ate them.	[REDACTED]
2-7-20	G G	N	S	O	SO BAR, OP: cranial implant; mild scarring around implant. Animal will occasionally touch cranial implant, but no trauma noted. Sts healed well skin edges apposed well. Animal Active and responsive - NEPD. A: stable Animal w/ head implant. P: ctm on opm/mt.	[REDACTED]
2/8/20	G G	N	S	O	RE: Head crusty; mild amount of dried discharge around Implant. OP swelling on ENTHYEMA. NEPD, running WTE Treats. A/p: see 2/5 entry	[REDACTED]
2-10-20	G G	G	C	C	SO BAR (P), OP: cranial implant: mild crust/scab around implant. No erythema, small or bruising. Animal is active with NEPD. Possibly took treats. A: stable Animal w/ implant P: ctm on opm/mt. See A/p on 2/5 also.	[REDACTED]
2-11-20						
					<u>Cranial Implant CLEANING</u>	
					∅ mls Ketamine ∅ mls Dexmedetomidine/Atipamizole reversal	
					Implant/post edges cleaned and hair trimmed ✓	
					(Nolvasan) Betadine was used to clean the implant.	
					Discharge: ∅ / N	
					Amount of discharge: 1 DROP OF CLEAR YELLOW	
					Color: CLEAR YELLOW FROM TOP OF IMPLANT	
					Additional Treatment: None	[REDACTED]

① PA (gs) Incorrectly Numbered

Date	Weight (kg)	Appetite (G, F, P) ⊕	Hydration (G, F, P) ⊕	Stool (N, SS, L, B) ⊕	Observations	Initials
1-31-20	G G N				SO Bar op: Cranial Implant: Animal Active NEPD. Grooming self at observation. mild Swelling and erythema at site lines.	[REDACTED]
2/1/20	F G N				SO: Bar RE: poor app, crusty Head; small amt crusty/dried sanguinous D/c at implant margins. ♀ Erythema or swelling, not attentive to when animal is moving well w/ NEPD. A: STABLE ANIMAL post Implant Placement P: RWT LABS, CTM 3x/wk on op.	[REDACTED]
2-3-20	G G CC				SO Bar op: cranial implant; Implant CTD with light scrabbing. Animal is active -NEPD. Grooming self at observation. Swelling and erythema resolving.	[REDACTED]
2-5-20					Cranial Implant CLEANING 0 mls Ketamine 0 mls Dexmedetomidine/Atipamizole reversal CHAIRSIDE CLEANING Implant/post edges cleaned and hair trimmed Nolvasan/Betadine was used to clean the implant. Discharge: 0/ N Amount of discharge: 1 drop coming down back of Color: Clear yellow HEAD Additional Treatment: NONE	[REDACTED]
2/5/20	(C) (C) (C) Bar op: cranial implant obs.				wild/mod crustsing around implant Cytology from 3A revealed only inflammation - no signs of inf. (J) A: Stable post cran. implant P: CTM Implant margins/cleaning /wk ctt PRN VITAS & implant /wk	[REDACTED]

① Days since last numbered

3/30/20

Obs Form 12-16-2011

G = Good, F = Fair, P = Poor, N = Normal, SS = Semi Solid, L = Liquid, B = Bloody

NOTE Standard drug concentrations: Ketamine 100mg/ml; Dexmedetomidine 0.50mg/ml; Atipamezole 5.0mg/ml; Diazepam 5.0mg/ml

UCD 0672

Date	Weight (kg)	Appetite (G, F, P) ☺	Hydration (G, F, P) ☺	Stool (N, SS, L, B) ☺	Observations	Initials
1/20/10					<p><u>Cranial Implant CLEANING</u></p> <p>O: 7mls Ketamine O: 3mls Dexmedetomidine/Atipamizole reversal or chaired cleaning</p> <p>Implant/post edges cleaned and hair trimmed.</p> <p>Novisan/Betadine was used to clean the implant.</p> <p>Discharge: (Y) N</p> <p>Amount of discharge: 10-15 ml</p> <p>Color: Serosanguinous</p> <p>Additional Treatment:</p> <p>collected cultures and cytology</p>	[REDACTED]
1/26/10					<p>G: Evaluabed while sedated. On palpation of top of head there is "crepitus like" sensation on either side - just cranial to periocular port. Confirmed no SC gas w/ ultrasound - appears to be 2° to tissue moving over silicone coated wires.</p> <p>On removal of collar (around port) a large vol. bloody fluid was expressed from SC pocket over entire sb side (~10-15mls). Collected sample for cytology. No fluid present within port. Minor irritation of skin that was under collar - consulted w/ lab staff and agree to replace collar more loosely to facilitate fluid drainage.</p> <p>F: Recovery post implant placement, SC tissue not yet adhered.</p> <p>P: Admit to OP for further monitoring + V/S ✓ 3x/wk</p>	[REDACTED]
1/30/10	10.6/11	SOPX2 Iherzon CTI & crusing d/c			caudal & cranial implant A/P see 1/29	[REDACTED]

Date	Weight (kg)	Appetite (G, F, P) ⊕	Hydration (G, F, P) ⊕	Stool (N, SS, L, B) ⊕	Observations	Initials
1/25/20 (cont'd)					No CNS signs. Very bright + alert A: stable 4d post-cranial implant P: see 1/24	[REDACTED]
1/26/20	G G N	SD: BAR, ate fruit & veggies, left RC, animal appears to be ambulating well, normal mentation, st's CDI, implant appears stable, good stool production	SD2: BAR, no scratching observed. Inc CDI w/ mild scratching			[REDACTED]
					implant stable, no d/c. Slack-jaw appearance almost resolved.	
					A: stable 5d post-cranial implant	
					P: CTM via POM, cont. tx as planned	[REDACTED]
1/27/20	F G N	SD: BAR, ate fruit, not veggies; drank ~1/4 water			head incision CDI w/ scabs	[REDACTED]
1/27/20	F G N	SD: BAR; POM: Bright, active, Incision			CDT failure of anal Fating 1st s	
					bf supp w/ scabs/grown	
					w/implant. No CNS signs A: stable	
					led post cranial implant P. Environ	
					POM, all tx, sedative 1/2g to eval	
					implant & then relocate to home	
					(reqd)	[REDACTED]
1/28/20	FAS 6 N	SD: BAR, mentation wnl; scratching occasionally;			head incision CDI; implant intact	
1/28/20 1564						[REDACTED]
1-28-20		MMU [REDACTED]				
		1.7 MLS KET/ D>6012				
		W.O. 4636 NRL03				
		CAGE TIME: 11:45 2 3				
		15MIN 1 30MIN 2 45MIN 1HR				
		1.25HR 1.5HR 1.75HR 2HR				

Date	Weight (kg)	Appetite (G, F, P) ⊕	Hydration (G, F, P) ⊕	Stool (N, SS, L, B) ⊕	Observations	Initials
1/23/20					S02: animal readily ate blueberries (~ 1/4 c.) this afternoon. Uninterested in strawberry & clementines.	[REDACTED]
1/24/20	P G N				S02: BAR did not eat supps, did not drink water or Kool-aid. 2 chow in cage. Chewed on some apple. Scratching and mild head shaking. Pupils wnl. Heart inc CO ₂ , minor scratch marks on R cheek MM=Pink. R eye w/ mild erythema. No post soaked chow in cage. Implant CTI margins wnl. NEPD. s	[REDACTED]
1/25/20	P G N				S02: PAR animal was given many diff supps throughout the day and ate a number of diff supps (oranges, apricots, watermelon, berries, etc) from 10 AM all of stool. NO CBC signs. No visible 3rd post cranial vein. P: VIXS, incision daily. POM (low supps to encourage intake). COT X (ef, Dexamethasone, Keppra, Vancomycin) 1/27	[REDACTED]
1/25/20	P G N				S02: PAR, POM crani inj., good mentation, implant margins CO ₂ , pain paid, head shaking. Occ. scratching @ R neck seen, 3 pinpoint scars. ~1/4 water consumed, ade. stool volume. No int. in oral Keppral (in date). S02: ate orally rx in apple.	[REDACTED]
					S02: ate 2 partial chow + part of supps - readily took apple. Normal stool, adequate amt, implant margins CO ₂ , no Hc. inc. CO ₂	[REDACTED]

① parity unknown 3/3/20

Date	Weight (kg)	Appetite (G, F, P) ⊕	Hydration (G, F, P) ⊕	Stool (N, SS, L, B) ⊕	Observations	Initials
1/2/20					A. (Wood post op recovery Incision stitches to heal by 1/2 mt P/Cnt POM daily Encourage intake w/supps. Finistix (ef 1/2), Keppra (1/2) Fenofidene (1/2), dexamethasone (1/2) buprenex (1/2) + benadryl (1/2)	[REDACTED]
1/23/20	P 6 N				SO: BAR, Drab, 1/2 Kort-aid, didn't eat supps. Mild periorbital erythema? incision intact w/ scrabbing; implant CDT; mentation wNL	[REDACTED]
MMU [REDACTED] M 8yrs 11mos 15.90kg NRL03	Dexamethasone 10 mg/mL 0.50 mg/kg 8. mg Dose Total Dose					
0.80 mLs Volume	IM SID 1 Rte Freq Days					
start 01-24-2020 End 01-24-2020						
Modified						
MMU [REDACTED] M 8yrs 11mos 15.90kg NRL03	Dexamethasone 10 mg/mL 0.12 mg/kg 2. mg Dose Total Dose					
0.20 mLs Volume	IM SID 2 Rte Freq Days					
Start 01-25-2020 End 01-26-2020						
1/23/20 P 6 N	SO: BAR ate some supps had out of stool under cage NO CNS signs					
MMU [REDACTED] M 8yrs 11mos 15.90kg NRL03	Dexamethasone 10 mg/mL 0.75 mg/kg 11.9 mg Dose Total Dose					
1.20 mLs Volume	IM SID -2 Rte Freq Days					
start 01-26-2020 End 01-23-2020						
MMU [REDACTED] M 8yrs 11mos 16.29kg NRL03						
MMU [REDACTED] M 8yrs 11mos 15.90kg NRL03	Dexamethasone 10 mg/mL 0.25 mg/kg 4.1 mg Dose Total Dose					
0.40 mLs Volume	IM SID 1 Rte Freq Days					
Start 01-25-2020 End 01-25-2020						
MMU [REDACTED] M 8yrs 11mos 15.90kg NRL03	MMU [REDACTED] M 8yrs 11mos 16.29kg NRL03					
Levetiracetam 100 mg/mL 14.00 mg/kg 223 mg Dose Total Dose	Levetiracetam 250 mg/tablet 7.00 mg/kg 114 mg Dose Total Dose					
2.20 mLs Volume	SC BID 3 Rte Freq Days	0.50 tabs Volume	PO BID 3 Rte Freq Days			
Start 01-21-2020 End 01-23-2022						
Start 01-23-2020 End 01-23-2020						

(1) pigtail correctly numbered 3/30/20
= Normal, Ss= Semi Solid, L=Liquid, B= Bloody

MMU

Animal ID# [REDACTED]

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C

Date	Weight (kg)	Appetite (G, F, P) ⊕	Hydration (G, F, P) ⊕	Stool (N, SS, L, B) ⊕	Observations	Initials
1-22-20	P 9	[REDACTED]	[REDACTED]	[REDACTED]	SO ₂ : BTR. PS -x Active in cage, looking incision/implant alone. Not interested in food, foot. SO ₂ : animal was moved into larger cage, easily moved in/out of jump box, animal appears to be ambulating well, no signs of incoordination or weakness, appears to have normal mentation, no asymmetry in face or pupils, sts are CDT, mild scabbing, no sign of picking, no attention to implant or incision, implant appears stable & secure, multiple superficial abrasions on R/c cheek, face & neck, unable to determine if these are secondary to shaving or excoriations from scratching, observed animal scratching at cheeks, not interested in food at this time.	[REDACTED]
1/21/20	F (0) N	[REDACTED]	[REDACTED]	[REDACTED]	SO ₂ : BTR. CBC (1/2) & Chem 20(1/2) w/M	[REDACTED]
MMU [REDACTED] M	8 yrs 11 mos 16.29 kg NRL03				Animal was a bit slow to recover initially w/ mild tongue swelling +/- slack jaw. Animal is very tall & hit his head on the cage twice yesterday when not fully recovered so "no cage" switched to a larger cage this am.	
Buprenorphine .3 mg/mL 0.03 mg/kg Dose			.5 mg Total Dose		He was quite active most of the night & p/r. Interested in female neighbor. He was not obs. sleeping. Today - no CNS symptoms, moves around cage well, eating a decent amount of supps. Incision is dry & facial/head edema. Prints from hydromorphone so IAC'd head/tail yesterday & switched to buprenex today.	
1.60 mLs Volume Start 01-22-2020 MMU [REDACTED] M 8 yrs 11 mos 15.90 kg NRL03	IM BID 2	Rte Freq Days				
Hydromorphone 2 mg/mL 0.15 mg/kg Dose			2.4 mg Total Dose			
1.20 mLs Volume Start 01-21-2020	IM TID 2	Rte Freq Days				
End 01-22-2020						

(1) regressing weight gain

Obs Form 12-16-2011

G = Good, F = Fair, P = Poor, N = Normal, SS = Semi Solid, L = Liquid, B = Bloody

UCD 0677

Date	Weight (kg)	Appetite (G, F, P) ①	Hydration (G, F, P) ②	Stool (N, SS, L, B) ③	Observations	Initials
11/27/19	15.6				Animal ate all offered treats, active -NEPD A: poor app in AM Picture on m.b.	
11/29/19	15.6	G N	S	S	SO: BARE(P), Re: Poor App (No chow). Ate 200 calories of produce per SPA. did not eat chow. Ate treats. A: Poor App for chow 2nd recent report good for supps P: CTM on chow log and MH 200 calories given daily during week per SPA (not on weekends)	
12/1/19	15.6	G G N	S	S	SO: BARE(P) Re: NAR D Fract Toe Trauma; minor abrasion dorsum aspect of LFDS proximal to toe nail. P bleeding on swelling. NEPD A: minor trauma LFDS P: D Fract indicated. CTM on MH	
12/13/19	15.8					
11/14/19	15.8	P F	G C	S	SO: BARE(P) Re: Poor App & chow; Animal ate supplements and drawing treats from NL staff. Active with NEPD. A: poor → fair app. P: CTM on m.b.	
12/25/19	15.8	G G N	S	S	SO: BARE Re: poor app; ACTIVELY EATING CHOW, 3 portions remain post A.M. FEEDING. READING ATE TREATS. NEPD A: 1st recent report for poor app P: CTM on MH	

① pulse incorrectly measured

3/30/20

Obs Form 12-16-2011

G = Good, F = Fair, P = Poor, N = Normal, SS = Semi Solid, L = Liquid, B = Bloody

PC10 Standard drug concentrations: Ketamine 100mg/ml; Dexmedetomidine 0.50mg/ml; Atipamezole 5.0 mg/ml; Diazepam 5.0mg/ml

UCD 0679

Animal ID# [REDACTED]

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Date	Weight (kg)	MMU	Appetite (G, F, P) ⊖	Hydration (G, F, P) ⊖	Stool (N, SS, L, B) ⊖	Observations	Initials			
9/3/19	14.99	MMU [REDACTED]	1.5 MLS KET / D->1302	W/O 2742 SPF01						
	WT: 14.99	CAGE TIME: 2:25	15MIN	2 30MIN	3 45MINS	1HR	1.25HR	1.5HR	2HR	[REDACTED]
9/4/19	?	G	cc	SO: Bar (P) Re: poor app, (R) EYE RED; Very MILD PERIODONTAL SWELLING Upper LID OF OD, w/ MILD ERYTHEMA & OCULAR DISCHARGE OR BLEPHAROSPASM. NEPD, NOT ATTENTIVE TO KNEA. & CHOW LEFT IN CAGE. READILY ATE TREATS.						
				A: poor app, SUSPECT 2° T. RECENT SEDATION. now (R) EYE ERYTHEMA.						
				P: No Tx INDICATED @ THIS TIME. CTM on MH.						
9/29/19	15.01				Box weight					
9/28/19	?	G	N	SO: Bar (P) Re: poor app; no chow left IN CAGE, CHOW LOG STATES NONE CONSUMED OUT OF q. Pending ATE TREATS, NEPD						
				A: 1ST RECENT POOR APP REPORT						
				P: CTM on MH						
9-30-19	G	G	N	SO Bar re: poor app (chow); Animal ate 7/8 chow today plus training treats. Normal amount of stool in cage. Animal active with NEPD.						
				A: GOOD APPETITE.						
				P: CTM on MH.						
10/4/19	14.98									
10/18/19	15.04									
11/5/19		MMU			moved to [REDACTED] move # 19-780					
11/4/19	15.0									
11-25-19	P	G	cc	SO Bar; RE: Poor app & chokes. Ate 0% chow Animal fed heavy on pm 11-24-19 per Tech.						

(1) pup(s) in utero/lvl unknown

Obs Form 12-16-2011

G = Good, F = Fair, P = Poor, N = Normal, SS = Semi Solid, L = Liquid, B = Bloody

PC10 Standard Drug concentrations: Ketamine 100mg/ml; Dexmedetomidine 0.50mg/ml; Atipamezole 5.0 mg/ml; Diazepam 5.0mg/ml

UCD 0680

Date	Weight (kg)	Appetite (G, F, P) ⊖	Hydration (G, F, P) ⊖	Stool (N, SS, L, B) ⊖	Observations	Initials
7/20/19	?	G N	Soi: BNR (P) Re: poor app; Food log STATES II CHOW LEFT IN CAGE. RENDERING ATE TREATS, NEPD. ♂ CHOW CURRENTLY IN CAGE A: 2nd RECENT REPORT FOR POOR APP P: CTM ON MH. CONSIDER SUPPS IF POOR APP PERSISTS	[REDACTED]		
7/20/19 14.57						
8/7/19		Moved to [REDACTED]			move # 19-532	
8/9/19 14.40						
8/14/19 14.60		Moved to [REDACTED]				
8/17/19	?	G CC	SO: BNR RF: POOR APP, FACE TRAUMA; MINOR ABNORM IN LATENT T, (R) EYE - ♂ SWELLING ON ENTHROGRAM. NEPD. ♂ CHW IN CAGE. RENDERING ATE TREATS A: MINOR FACIAL TRAUMA, IS+ REPORT FOR POOR APP, SUSPECT 2° T, REC. MOVE P: CTM ON MH			
8/23/19 14.41						
9/3/19		Cardiologist guided echocardiogram performed due to: pre-shipment / pre-project / clinical / genetic Blood pressure and heart rate readings obtained Preliminary results: Normal / Suspect (await final results)				
		Comment: _____	Final Echo Result: _____			
			LVH Negative			
	14.99				SOZ: RRU - BCS 3.0, Tarter 1.0 - Scaled and polished. Mild patchy alopecia both legs.	

Dee [REDACTED] Animal ID# MMU [REDACTED] 3/30/20 [REDACTED]
Observation Form with Supplement page (Inkjet only) [REDACTED]

Obs Form 12-16-2011

G = Good, F = Fair, P = Poor, N = Normal, SS = Semi Solid, L = Liquid, B = Bloody

DR10 Standard drug concentrations: Ketamine 100mg/ml; Dexmedetomidine 0.50mg/ml; Atipamezole 5.0 mg/ml; Diazepam 5.0mg/ml

UCD 0681

Date	Weight (kg)	Appetite (G, F, P) ⊕	Hydration (G, F, P) ⊕	Stool (N, SS, L, B) ⊕	Observations	Initials
4/2/19	?	G ?			SO: BAR (P) Re: Poor app. UNABLE TO CONFIRM poor APP DUE TO RECENT CAGE CLEANING, CHOW WAS PULLED. ANIMAL APPEARS BRIGHT & ACTIVE. A: SUSPECT PARTNER IS SOURCE OF POOR APP. P: WEIGHT CHECK ON 4/8/19 REQUESTED FOR THE WEEK OF 4/8/19, WILL REASSESS.	
4/5/19	14.12					[REDACTED]
4/11/19	P	G N			SO: BAR (P) Re: Poor APPETITE ; PER HUSBANDRY, 9 BISCUITS LEFT IN CAGE . ANIMAL IS BRIGHT & ACTIVE. A: 1ST POOR APPETITE IN ONE WEEK. RECENT WEIGHT CHECK SHOWS INCREASE IN WEIGHT. P: NO TX REQUIRED AT THIS TIME, CTM ON ROUTINE MH	
5/3/19	13.78					[REDACTED]
5/11/19	14.49					[REDACTED]
5/31/19	14.39					[REDACTED]
6/2/19	?	G N			SO: BAR , paired re: poor app ; chow already pulled, per husbandry. Chow remain, readily took treats. A: 1st recent report for poor app. P: CTM on routine MH	
6/14/19	14.21					[REDACTED]
6/28/19	14.48					[REDACTED]
7/12/19	14.41					[REDACTED]
7/16/19	P	G N			SO: BAR , Re: Poor appetite. Ate 2 chow and did/did not eat forage, did/did not eat fresh fruit / treats. A: Poor, Fair, Good appetite. 1st recent confirmed report. P: CTM on MH / OP	
						[REDACTED]

(1) DE Discrepancy 4/2/19 [REDACTED]

Obs Form 12-16-2011

G = Good, F = Fair, P = Poor, N = Normal, SS = Semi Solid, L = Liquid, B = Bloody
LNUX. Sulfisgent 100mg/ml 0.50mg/ml 5.0 mg/ml Diazepam 5.0mg/ml 0.05mg/ml

PC10 Standard Drug concentrations: Ketamine 100mg/ml; Dexmedetomidine 0.50mg/ml; Atipamezole 5.0 mg/ml; Diazepam 5.0mg/ml 0.05mg/ml

UCD 0682

Date	Weight (kg)	Appetite (G, F, P) ⊕	Hydration (G, F, P) ⊕	Stool (N, SS, L, B) ⊕	Observations	Initials
3/1/19	G	G	N		SO: BAR ⊕, RE: Vomit. Cage cleaned by NE PD. time of observation. A: Unable to confirm emesis. 2nd recent P: CTM on MH / OP.	[REDACTED]
3/13/19	14.04					[REDACTED]
3/22/19	14.18					[REDACTED]

PHYSICAL EXAM

Date 3/1/19 Weight 13.93 BCS 2.5
 HR 144 RR 36 TEMP 99.4 Project Code
 Shave Tattoo

1. Integument WNL
 2. Oral Cavity WNL
 3. Eyes WNL 4. Ears WNL
 5. Musculoskeletal mild muscle atrophy in legs
 6. Thorax Auscultation WNL
 7. Abdominal Palpation WNL
 8. Spleen WNL 9. Liver WNL
 10. Lymph Nodes WNL
 11. Urogenital WNL
 12. Rectal Palpation NG

Animal may be unpaired or individually housed while receiving veterinary care

3/21/19	WT: 13.93	1.6 MLS KETMINE IM, BLED _____ MLS, ROOM ROUND UP, TB TEST LEFT EYE 24HR, 48HR, 72HR, ANIMAL MONITORED UNTIL RECOVERED	[REDACTED]
3/24/19		SO: CBC (3/25) WNL, chemo 20 (3/25) WNL APP see 3/25	[REDACTED]
3/28/19	P G N	SO: BAR ⊕, Re: Poor appetite. Ate chow and did/did not eat forage, did/did not eat fresh fruit / treats. A: Poor, Fair, Good appetite. 1st recent confirmed report. P: CTM on MH / OP	[REDACTED] [REDACTED]
3/29/19	P G N	SO: BAR ⊕, Re: Poor appetite. Ate chow and did/did not eat forage, did/did not eat fresh fruit / treats. A: Poor, Fair, Good appetite. 2nd recent confirmed report. P: CTM on MH / OP	[REDACTED] [REDACTED]

Date	Weight (kg)	Appetite (G, F, P) ⊖	Hydration (G, F, P) ⊖	Stool (N, SS, L, B) ⊖	Observations	Initials
10/20/18	cont				The room was ^① had a normal Nova. CTM on MH.	[REDACTED]
11/2/18	13.80					[REDACTED]

②
 10/12/18 C.C. r¹⁸⁵ P272 Re: Poor App (O chow). 3 partial chow in cage. Ate scratch and treats. NCPD.
 A: Good appetite
 P: CTM on MH

11/10/18	13.90					[REDACTED]
11/30/18	14.04					[REDACTED]
12/14/18	14.18					[REDACTED]
12/28/18	14.30					[REDACTED]
1/2/19	P 6 16				SO: BAR , Re: Poor appetite. Ate <u>O</u> chow and <u>did/did not eat forage</u> , <u>did/did not eat fresh fruit</u> / treats, A: Poor, Fair, Good appetite. <u>1st</u> recent confirmed report. P: CTM on MH / OP	[REDACTED]
1/11/19	14.38					[REDACTED]
1/25/19	14.52					[REDACTED]
2/8/19	14.78					[REDACTED]
2/14/19	G G N				so. BAR Re: vomit - no vomit seen at time of observation A: possible emesis P: CTM w/ routine MH	[REDACTED]
2/22/19	14.90					[REDACTED]

① RE [REDACTED] 10/20/19. ② Lost record entry added. 11/3/18 [REDACTED]

Date	Weight (kg)	Appetite (G, F, P) ⊕	Hydration (G, F, P) ⊕	Stool (N, SS, L, B) ⊕	Observations	Initials					
7/26/18	F	E	N		SO: BAR, Re: Poor appetite. Ate 1 chow and did/did not eat forage, did/did not eat fresh fruit/treats. A: Poor, Fair, Good appetite. recent confirmed report. P: CTM on MH / OP	<i>suspect procedure on 7/26/18 may be reason for decreased appetite.</i>					
7/27/18	13.20										
8/10/18	13.52										
8/10/18					Cardiologist-guided echocardiogram performed due to: pre-shipment / pre-project/ clinical						
					Preliminary Results: <i>Normal</i> / LVH / Suspect (await final results)						
					Comments: Final Echo Result: _____ LVH Negative						
8/10/18	MMU [REDACTED] / 1.5 MLS KET IM, D→ 1302				SPF01 W.O. 2437						
WT: 13.20	CAGE TIME 2:20	15MIN	2 30MIN	45MIN	1HR	1.25HR	1.5HR	1.75HR	2HR		
8/24/18	13.30										
9/1/18	13.40										
9/2/18	13.82										
9/28/18	13.22				9/28/2018						
					1.5 mls Ket. BCS=3	Tartar: 0 1 2 3 4	Teeth Scaled Y/N				
					TB Test: R Eye	24hr	—	48hr	—	72hr	—
					<i>patchy alopecia on both legs trimmed nails</i>	<i>1 ml ease</i>					
					MONITORED UNTIL RECOVERED						
10/20/18	F G N				SO: BAR RE: lixit not connected. Animal active in cage and accepting treats. A: Stable animal P: Reconnect lixit, since smallest animal in						

(1) Date should read "8/24/18". [REDACTED] 8/24/18

Date	Weight (kg)	Appetite (G, F, P) ⊕	Hydration (G, F, P) ⊕	Sool (N, SS, L, B) ⊕	Observations	Initials
6/11/18	G G N	SO: BAR RE: Blood observed dripping from underside. No observed blood or wound noted on pump or digits.			No blood observed in cage. A: Stable animal, blood unconfirmed P: CTM on MH. ⊕	[REDACTED]
6/12/18	L G N	SO: BAR RE: Nasal Discharge. No coughing or sneezing.	Nasal discharge: clear, cloudy, none.	A: Confirmed / Unconfirmed. report.	P: CTM on MH / OPM	[REDACTED]
7/13/18	13.40					
7/20/18		CTS CAN NRL41				
7/20/18	MMU [REDACTED] LOC [REDACTED]	WT: 0.80	MLS RET IM ②	W.O. 2199		
WT:	CAGE TIME 11:10 15MIN 1 30MIN 45MIN X 1HR 1.25HR 2 1.5HR 3 1.75HR 2HR					
7/21/18	P 6 CC	SO: BAR ⊕ RE: Poor appetite. Ate 0 chow and did/did not eat forage, did/did not eat fresh fruit & treats.	A: Poor, Fair, Good appetite. recent confirmed report.	P: CTM on MH / OP	+ PR: Vomit. Clean cage, unable to confirm. PR: Suspect decreased app. & possible ⊕ may be due to sedation	[REDACTED]
7/25/18	13.13	Transferred animal in transport truck. WO# 2244				
		SO: Transported to Skyline for MRI, project NRL42 WO# 2244. Sedated with ketamine 1.5 mls, Animal was not placed in Steriotax, performed MRI per protocol, recovered fully, returned to CNPRC home cage. Animal did/did not receive Ketoprofen IM				
7/25/18		RETURNED TO HOME CAGE				

① late entry, original entry written in wrong health sheet [REDACTED] 6/8/18
 Obs Form 12-16-2011

G = Good, F = Fair, P = Poor, N = Normal, SS = Semi Solid, L = Liquid, B = Bloody

UCD 0686

Date	Weight (kg)	Appetite (G, F, P) ☺	Hydration (G, F, P) ☺	Stool (N, SS, L, B) ☺	Observations	Initials
3/9/18	12.40					[REDACTED]
3/23/18	12.3					[REDACTED]
4/3/18		%F G N			SO: BAR (P) RE: poor appetite. MMU in ex-pen, pair mate was chair training @ time of observation. per feeding chart MMU ate well yesterday, no (O) chow over night. Did eat fruit & veggies. suspect decrease in appetite may be due to treats given during training. A: Poor app. for chow, fair app. for fresh fruit, veggies & treats. P: CTM on MH.	[REDACTED]
4/6/18	12.19				1.2cc Ket; Bled 3cc SB; ANIMAL MONITORED UNTIL RECOVERED	[REDACTED]
4/7/18		P G	↗	SO: BAR Pre-Poor App (7 chow) Animal would not go into cage to fully assess appetite. Fasted for plus. A: Poor appetite, unable to fully assess P: CTM on MH	[REDACTED]	
4/20/18	12.4					[REDACTED]
4-22-18		? G	CC	SO: Bar (P) RE: Poor App - over 10 ; Unable to Assess ; Cage cleaned Prior to observation. NO chow in side cage animal in ex-cage. A: Active, no PD, stable. P: CTM on MH	[REDACTED]	
5/4/18	12.9					[REDACTED]
5/18/18	12.9					[REDACTED]
6/1/18	13.1					[REDACTED]
6/6/18					more to [REDACTED] per more 18-330	[REDACTED]

Date	Weight (kg)	Appetite (G, F, P) ☺	Hydration (G, F, P) ☺	Stool (N, SS, L, B) ☺	Observations	Initials
1/3/18	6.6	G	G	CC	SO: BAR Re: Poor appetite. MMH ate 5 chow + all forage. Readily ate apple + apricot pieces. A: food appetite. P: CTM on MH.	[REDACTED]
1/29/18	6.6	G	G	N	SO: BAR Re: Poor App(7 chow) 2 chow in cage. Tech said animal ate all pm chow. Animal also getting lots of supps noted on log per their training. Very active. Lots of normal stool throughout day. P: Good Appetite, NEPP P: CTM on MH	[REDACTED]
2/9/18	6.6	G	G	P	SO: P.DR Re: Poor App(10 chow) Animal has 1 chow in cage. Adequate normal stool chair-training receiving lots of treats. Ate; raisins, apples, apricots, grapes. Active. Suspect decreased appetite due to treat intake. A: Poor Appetite for chow (3 recent report Good for treats) P: CTM on MH	[REDACTED]
2/18/18	6.6	?	G	CC	SO: BAR, paired Re: poor app; unable to assess appetite due to recent cage cleaning; animal is bright and interactive A: possible poor app, recent move P: CTM	[REDACTED]
2/23/18	6.6	G	G	N	BOX Weight	[REDACTED]
3/2/18	6.6	G	G	N	SO: BAR(P) Re: poor appetite. MMH ate 6 chow + fresh fruit given by lab. MMH readily ate apple pieces. A: food appetite. P: CTM on MH.	[REDACTED]

Date	Weight (kg)	Appetite (G, F, P) ☺	Hydration (G, F, P) ☺	Social (N, SS, L, B) ☺	Observations	Initials
12/21/17					A: Stable post sx P: CTM	
12/21/17					SD: Gave single dose of ketoprofen per DVM technician was concerned about animal moving throughout cage P: CTM on OPM	
12/22/17	G G CC	SD: BAR OPM: Vasectomy & Re: PA. Ate 3 chow + forage readily ate apple + banana pieces. Incisions appear crst w/ mild erythema noted. Noted mild skin thickening @ incision sites. A: Fair - good appetite, healing sx site. P: CTM on OP+MH.				
12/23/17	F G N	SD: BAR, OPM. Vasectomy. Animal has 6 chow in cage, ate scratch and treats. Adequate normal stoolsts (DI w/ scabbing along incision line. A: Fair appetite looking sx site P: CTM on OPM				
12/24/17	F G N	SD: BAR OPM: Vasectomy. Incision crst w/ scab. A: Healing incision. P: Cont. vis until abt then assess to D/C. CTM on OP.				
12/25/17	G G CC	SD: BAR. OPM: Vasectomy. Incision crst w/ scab. A: Healing incision. P: CTM on OP.				
12/26/17	G G N	SD: BAR. OPM: Vasectomy. Incision (DI) w/o swelling or erythema. A: Healing vasectomy incision P: D/C for OPM + MH on MH.				
					O/D/C O/Snomed	
1/2/18	G G CC	SD: BAR Re: Poor appetite. Ate 3 chow + all forage Readily ate apple pieces + peanuts. A: Fair appetite. P: CTM on MH.				

(1) FE. Used incorrect word. within [] .

Date	Weight (kg)	Appetite (G, F, P) ☺	Hydration (G, F, P) ☺	Stool (N, SS, L) ☺	Observations	Initials
12/5/17					Moved to EX [REDACTED]	[REDACTED]
12/14/17					Moved → [REDACTED] WO#4118	[REDACTED]
12/18/17	MMU [REDACTED] M	1.4 CC KETAMINE IM, D→SURGERY , NRL02 WO#4118 WT: 12.32				[REDACTED]
12/18/17	MMU [REDACTED] M 6yrs 10mos 13.10kg NRL02	DATE: 12/18/17 SO: Animal was delivered sedated to [REDACTED] prep. Gave 0.3 ml Dexm/Atip IM. The caudal abdomen & inguinal area were clipped and surgically prepped. SP02 was monitored throughout the procedure. See procedure report for details.				[REDACTED]
	Buprenorphine .3 mg/mL 0.03 mg/kg Dose	IM SID 1 Rte Freq Days start 12-18-2017 End 12-18-2017	A: Vasectomy P: Visually check inguinal incisions daily via routine hospital morning health. Start RX			
	Ketoprofen 100 mg/mL 5.00 mg/kg Dose	IM SID 3 Rte Freq Days Start 12-18-2017 End 12-20-2017	<i>monitored until fully alert</i>			
12-19-17	F G (C)	SO: Ban. op: Post Vasectomy : Animal Active with NOCPD. STs are CDI ^(x2) with mild swelling and bruising present at sx sites. Appetite fair - Ate 1/2 chow plus some fruit. A: Stable post sx P: ctm.				
12/20/17	P G A	SO: BAO, STs are w/ mild bruising. PS = Ø				
	F P G N	SO: PAB re: poor appetite. Ate 2 chow & readily ate fresh fruit. A: Fair/poor app. for chow, fair appetite for fresh fruit. P: ctm on OP + MH.				
12/21/17		moved → [REDACTED] per min wt 17-810				
12/21/17	% G (L)	SO: BAO. OPM: Vasectomy. STs are CDI, w/mild erythema, moving well in cage. small amount of dried blood at incision.				

Date	Weight (kg)	Appetite (G, F, P) ⊖	Hydration (G, F, P) ⊖	Stool (N, SS, L, B) ⊖	Observations	Initials
8/26/17					NO new trauma. Animal using (1) hand well. A: (1) LHD3 trauma heavily 2°. wt. P: ctm.	[REDACTED]
8/27/17	G G N				SO: BARE OPM: nail avulsion is clean and dry, healthy, pink tissue exposed, using finger normally A: LHD3 nail avulsion healing well P: ctm	[REDACTED]
8/28/17	1/4 G cc				SO: BARE OPM LHD3 wound is clean, dry & contracting NEPD, using hand normally A: 2 nd int healing of LHP3 P: partial avulsion of P3 P: ctm - appears to be later opus w/e	[REDACTED]
8/29/17	G G N				SO: BARE OPM LHD3 wound app (1) continues to contract. Remains clean & dry AP: d/c 8/29 [X]	[REDACTED]

⊗ D/C ⊗ Snomed ⊗ Recharge *n/a*

8/30/17	P G N	SO: BARE re: poor app 8 chow left in cage, ate some enrichment A: 1 st recent report for poor app P: ctm				
9/6/17	12.47	Box wt.				
9-28-17	12.27	12 mls Ket. BCS = 25	[REDACTED]	Tartar: 0 1 2 3 4 Teeth Scaled Y N	9/28/2017	[REDACTED]
		TB Test (R) Eye		24hr — 48hr — 72hr —		
		ANIMAL MONITORED UNTIL RECOVERED				
		moved → [REDACTED] mv# 17-613				
9-29-17	P G cc	SO: BARE - R: poor app - 7 chow, A: Confirmed- Suspect poor app due to sedation on 9-28-17 P: ctm.				
11/29/17	13.10	Box wt.				

(22)

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Report ID: 69142**Final Necropsy Report****Timestamp:** Sep 29, 2021 02:52 PM

Animal ID
Location
Investigator
Pathologist
Weight (grams) **15790**



Sex **M**
Age (yr:mon:day) **3: 1 : 25**
Project **NRL03**
Clinician
Pathology Condition

Death Date **03/26/2020**
Death Type **X**
Charge ID **BZ59**
Work Performed **2020-03-26**
Hydration

Gross Observations**Organ**

Text
The cranial implant was unstable and could be moved in both a rostral and caudal direction and slightly laterally. There was a small quantity of serous yellow blood tinged fluid emanating from between the junction with the skin just rostral to the implant. When the skin was reflected back a small quantity of discharge could be seen in the corresponding subcutaneous region extending a small distance laterally, but the caudal and medial subcutaneous aspects of the implant were normal. The 2 anterior screws attaching the implant to the skull were loose and could easily be lifted out. The 2 posterior screws were still in place and secure. The implant could be easily pivoted in the caudal direction around the 2 remaining screws.

Gross Diagnosis

Nothing found to display.

Gross Comments

Swabs were taken from the rostral and lateral aspects and a second from the caudal aspect of the implant at the junction with the skin and were submitted to microbiology. Histopathology will be carried out.

Final Observations**Organ****Text**

GASTROINTESTINAL TRACT: Stomach: Gastritis, severe, chronic and lymphoplasmacytic with fibrosis, glandular effacement and lymphofollicular hyperplasia with small numbers of helical bacteria in gastric pits (helicobacteriosis) (6). Rest of Intestinal Tract: No lesions (7, 8, 9, 10, 11)
HEART: Left and right ventricle. Left ventricle: Minimal interstitial fibrosis (13, 14)
KIDNEY: Left and right: No lesions (4, 5)
LIVER & DRAINED GB: No lesions (2)
LUNG: Multifocal pulmonary congestion (1)
PANCREAS: No lesions (s7)
SKIN: Adjacent to the site of the implant there was mild epidermal hyperplasia and mild dermal fibrosis and a few small blood vessels in the dermis were surrounded by a few lymphocytes and occasional macrophage (14)
SPINAL CORD: Cervical cord: No Lesions (12)
SPLEEN: No lesions (3)

Final Diagnosis**Seq****Organ****Text**

1 GASTROINTESTINAL TRACT STOMACH GASTRITIS

Final Comments

Histological evaluation of the skin adjacent to the implant did not demonstrate any evidence of inflammation or infection. 1+ staph coagulase negative was cultured from the site of the implant/ exudate which was most likely a contaminant from the skin. Therefore the failure of this implant can be considered purely mechanical and not exacerbated by infection. The gastric helicobacteriosis was considered an incidental lesion and a result of endemic helicobacter infection within the colony