

Animal ID# [REDACTED]

California National Primate Research Center

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Date	Weight (kg)	Appetite (G, F, P) ⊕	Hydration (G, F, P) ⊕	Stool (N, SS, L, B) ⊕	Observations	Initials
12-30-19						
					Cranial Implant CLEANING 1.5 mls Ketamine, 0.3 mls Dexmedetomidine/Atipamizole reversal or chaired cleaning Implant/post edges cleaned and hair trimmed Novisan/Betadine was used to clean the implant. Discharge: Y <input checked="" type="radio"/> N slight. Amount of discharge: N/A Color: trace tan discharge. Additional Treatment: N/A	
12-30-19					SO: evaluated while sedated. Very small amount of opaque tan discharge at rostral skin margin. Collected culture + cytology of skin margin & port. Port has no new discharge. No erythema. Bi-cytology from last week indicates on going presence of post. E. coli infection appears controlled by TMS fi: V3 / 24h/wk , on time abd	
12/30/19	MMU [REDACTED]				/ 1.5 MLS KET ~D 6012 W/O 4231 NRL03	
WT:						
13.83	CAGE TIME	11:55	15MIN	3	30MIN 45MIN 1HR 1.25HR 1.5HR 1.75HR 2HR	
12/31/19	? N N	SO: BAR (⊕) OPM: cranial implant fe: Head crusty; Imp. margins CDL, & attn. pain. MMU active & readily accepts treats, g partial chow b/t cages. Interactive, good mentation. A/P see 12/30.				
12-31-19		SO: BAR (⊕) OPM: cranial implant - implant margins CDL, mild ring of erythema at implant margin int. A/P see 12/30				
1/2/19	G G N	SO: BAR OPM: cranial implant fe: PA Eagerly ate banana, adequate stool in cage pan, 1 chow remains. Implant CDL w/ clean margins. very active				

Date	Weight (kg)	Appetite (G, F, P) ⊖	Hydration (G, F, P) ⊖	Stool (N, SS, L, B) ⊖	Observations	Initials
12/24/19	6.6	G	N	S	So: BNR OP: cranial Imp; ♂ DISCHARGE, SWELLING OR ERYTHEMA. Implant Is C&D. RENDING ATE THRETS, NEPD	[REDACTED]
12/25/19	6.6	G	G	N	So: BNR OP: CRANIAL IMP; Implant Is C&D w/ ♂ DISCHARGE, SWELLING OR ERYTHEMA. RENDING ATE THRETS, NEPD	[REDACTED]
12/26/19	6.6	G	G	cc	So: BNR OP: CRANIAL IMP; Implant Is C&D w/ ♂ DISCHARGE, SWELLING OR ERYTHEMA. RENDING ATE THRETS, very BRIGHT & ACTIVE W/NEPD	[REDACTED]
12/26/19					SOA: Animal is doing very well on KB Rx. No d/c, swelling or erythema noted. Bi-cont KB Rx (1/3) → animal twice (2x's) per week. Provide supportive care PRN	[REDACTED]
12/27/19	13.30					[REDACTED]
12/27/19					So: NOTED WT ↓ SINCE 12/23. ANIMAL Hns HAD A GOOD APPETITE u/ NEPD A: POSSIBLE WT LOSS P: REV WT @ NEXT SEDATION TO CONFIRM TRUE LOSS	[REDACTED]
12/28/19					OP Charges Complete ⊖	[REDACTED]

Date	Weight (kg)	Appetite (G, F, P) <input checked="" type="checkbox"/>	Hydration (G, F, P) <input checked="" type="checkbox"/>	Stool (N, SS, L, B) <input checked="" type="checkbox"/>	Observations	Initials	
12/21/19	6 G N	SO: BAR DP: cranial implant INF; Implant margins are C+D. P SWEATING On erythema. NEPD [REDACTED]					
12/23/19 MMU		1.5 MLS KETAMINE/D → 6012 W/O 4230 NRL03					
WT: 14.22 CAGE TIME: 11:55MIN 1 30MIN 2 45MIN 3 1HR 1.25HR 1.5HR 1.75HR 2HR							
12/23/19	7 G CC	SO: BAR, DPM: cranial implant; ate 5 chow 12/21 per food log, & this AM. MMU readily ate treats, active. Imp. appears C+D, & exudate or attn. paid.				[REDACTED]	
12/23/P							
		Cranial Implant CLEANING 1.4 mls Ketamine & 0.03 mls Dexmedetomidine/Atipamezole reversal or chaired cleaning Implant/post edges cleaned and hair trimmed Novasan/Betadine was used to clean the implant. Discharge: Y/N slight, mostly dry Amount of discharge: Color: Serousanguinous Additional Treatment: NA					
12/23/19	14.57	6 SS	SO: BAR, recovered post sedation. Implant + margins C+D.				[REDACTED]
<i>Blk 10A</i>			SO: bandaged while sedated, skin margin has no erythema, could not express any discharge. R caudal margin rises up side of implant. No lab stuff - proptely removed to check 1 day post last wks cleaning. Part has only dried discharge, primarily just under cap. Collected rev cultures + cytology.				
			B: skin margin improved on X P: Endpoint currently scheduled to be 1/3, v/s 1 daily + extend abx, AN updated by SKA				[REDACTED]

MMU [REDACTED] M
7 yrs 8 mos 14.36 kg NRL03

Trimethoprim/Sulfa 8 mg/m
4.00 mg/kg dose 57 mg Total Dose

\$ 7.20 mLs PO TID 25
Volume Rte Freq Days
start 12-20-2019 End 01-13-2020

Extended

Date	Weight (kg)	Appetite (G, F, P) ⊕	Hydration (G, F, P) ⊕	Stool (N, SS, L, B) ⊕	Observations	Initials
12/17/19	6	G	G	N	SD: BAR (P) rpm: cranial implant; mild crusting around implant, biopatch removed. No swelling, normal mentation + mvmt.	[REDACTED]
12/18/19	6	G	G	N	SD: BAR (P) OP: Perioce Implant; No swelling, very mild crusting around Implant. Moving well w/ NEPD	[REDACTED]
12/19/19	6	G	G	N	SD: BAR (P) OP: canthus Imp / Re: crusting here; No swelling, mild crusting around Implant. NEPD	[REDACTED]
12/20/19					Culture of skin margin shows few colonies of E. coli & low level cong. (-) Surgery - improved w/ topical tx. Port culture shows 3+ E. coli (6 are resistant) and 2+ Candida glabata. Vet consensus - candida cannot be cleared as explant isn't an option. E. coli unlikely to be cleared due to inaccessible location within implant and antibiotic resistance. Bi-Implant infection P1: consulted w/ project staff about coordinating necropsy for next week, continue to monitor daily on OP	[REDACTED]
MMU [REDACTED] M	7 yrs 8 mos 14.36kg NRL03					
Trimethoprim/Sulfa 8 mg/m						
4.00 mg/kg Dose						
\$ Total Dose						
7.20 mLs Volume						
Start 12-20-2019 End 12-26-2019		PO Rte	TID Freq	7 Days		
12/20/19	G G N	SD: BAR (P)	OP: canthus Imp. INFECTION;			
			RE: HEAD CRUSTY; VERY MILD AMOUNT OF DRIED EXUDATE AROUND IMPLANT. NEPD, NOT ATTENTIVE			
			To Area most all wet			

Date	Weight (kg)	Appetite (G, F, P) <input checked="" type="checkbox"/>	Hydration (G, F, P) <input checked="" type="checkbox"/>	Stool (N, SS, L, B) <input checked="" type="checkbox"/>	Observations	Initials					
12/16/19	MMU [REDACTED]	1.6 MLS KETAMINE/ D->1302			W/O 4141 NRL03	[REDACTED]					
WT: 14.36	CAGE TIME 11:50	15MIN	3	30MIN	45MIN	1HR	1.25HR	1.5HR	1.75HR	2HR	[REDACTED]
12/16/19	9	N	N	N	SU: BARE, OPM: PERIOD. SWELLING/IMPLANT; IMPLANT MARGINS WT/P POST CLEANING, & ALTH. PAID. ON WNL, PERIOD. SWELLING APPEARS RESOLVED. INC HEATED W/ MINOR SCAB JUST ↑ BROW.	[REDACTED]					
P/H/19					S: EVALUATED WHILE SEDATED, SKIN MARGIN HAS NO SWELLING, SMALL AMOUNT OF FIBRIN AND A VERY SMALL AREA OF ERYTHEMA (VERY MILD) ON THE R CRANIAL MARGIN. SKIN ROLLED UP ON IMPLANT IN THIS REGION. COLLECTED CULTURE + CYTOLOGY, PALPATED AROUND IMPLANT AND EXPRESSED A SMALL AMOUNT SERO- SANGUINOUS FLUID. COLLECTED ADDITIONAL CYTOLOGY. PORT OPENED AND ONLY A SMALL AMOUNT OF RESIDUAL FLUID PRESENT - CULTURE COLLECTED. IMPLANT CLEANED & PROJECT RECORDING PERFORMED. APPLIED KETOCONAZOLE / CHLORHEXIDINE A: DECAYING DISCHARGE, CULTURE FROM 12/9 BOTTLE SHOW COLONIES STAPH (LONG-) AND 2 (+) CANDIDA GLABRA. OF DOMINANT SOURCE AS OF 12/8	[REDACTED]					
					P: AWAIT CYTOLOGY, TREAT W/ TOPICAL ANTIFUNGAL PRN @ SEDATED CLEANLY AND AWAIT NEW CULTURE RESULTS	[REDACTED]					
12/16/19					PRELIMINARY CYTOLOGY SHOWS LARGE NEUTROPHILIC RESPONSE W/ SOME MACROPHAGES WITH NO PLASMACYTOID ORGANISMS. SMALL NUMBERS OF COCCI & YEAST OBSERVED. SEE P ABOVE	[REDACTED]					

Date	Weight (kg)	Appetite (G, F, P) ①	Hydration (G, F, P) ②	Stool (N, SS, L, B) ③	Observations	Initials
12/13/19	6	G	G	N	SO: BAR (P) OPM: Periorbital swelling / Implant; moistened + dried fluid around implant. Mild periorbital swelling. Animal shook head once during observation. Not attentive to area. Readily ate treats. A/p: SEE 12/12 entry	[REDACTED]
12/14/19	6	G	G	N	SO: BAR (P) OPM: periorbital swelling / implant; mild periorbital swelling dried serosanguineous d/c (2 caudal aspect of port + cloudy, serocarry d/c (2 rostral + lateral aspects of port. Incision CDL. NEPO. Not picking port cageside. A: Periorbital swelling + serosanguineous d/c around port w/ preliminary bacteria + yeast. P: See 12/12 entry.	[REDACTED]
12/15/19	14.35	G	G	N	SO: BAR (P) OPM: periorbital swelling / implant; mild periorbital swelling. Incision CDL. very mild dried serosanguineous fluid dried around port. Mild serosanguineous fluid (2 caudal aspect of port. No picking cageside. NEPO. Readily ate treats. A: resolving periorbital swelling. Mild d/c from port site. P: See 12/12 entry.	[REDACTED]
12/16/19					<u>Cranial Implant CLEANING</u> Preformed Ketamine 0.3 mls Dexmedetomidine/Atipamezole reversal or chaired cleaning Implant/post edges cleaned and hair trimmed Novasan/Betadine was used to clean the implant. Discharge: (Y) / N Amount of discharge: Minimal Color: Serosanguinous Additional Treatment: Ipwks. According to M.	<u>Cytology and</u> <u>TB cultures</u> <u>Collected and</u> <u>Analyzed.</u>

Date	Weight (kg)	Appetite (G, F, P) ⊕	Hydration (G, F, P) ⊕	Stool (N, SS, L, B) ⊕	Observations	Initials
12/11/19 cont					<p>Head inc: CDT w/mild scabbing. Lip lesion C+D w/ scabbing. Very active. NEPO.</p> <p>A: Confirmed mild periorbital edema (Deye) on Tx, Implant intact w/mild d/c at margins, Lip lesion healing by 2 INT</p> <p>P: V is ✓ Daily on opm</p> <p>Finish Ketoprofen (2/12), Await labs [REDACTED]</p>	
12/12/19	F	Face SO: BAR grate paired, opm: Periorbital Swelling			<p>Cranial Implant, Implant Intact, w/mild serous d/c at caudal aspect of implant, dorsal aspect of implant has mild serous d/c w/mild purulent d/c. Head inc: CDT w/mild scabbing. Deye has mild periorbital edema no change since 12/11 w/2 opm. No periorbital erythema. Intermittently shakes head during observation. Pupils wNL. Lip lesion (C+D scabbed).</p> <p>SO2: Re: L side eye swollen, Re:</p> <p>Head crusty. See above.</p>	[REDACTED]
12/12/19	CO & N	SO: BAR sm out of st. purulent d/c @ rostral aspect of implant, erosive nodul d/c dmed @ caudal aspect. Periorbital edema OS persists. Ni: Preliminary culture results from 12/9 - Staph Coag Neg 0/1a			<p>few if any N, cori d/c @ rostr implant</p> <p>Cont periorbital edema - P: Re/Mon w/ [REDACTED] consider cytology of culture</p> <p>CTM daily w/ [REDACTED]</p>	[REDACTED]

Date	Weight (kg)	Appetite (G, F, P) ⊕	Hydration (G, F, P) ⊕	Stool (N, SS, L, B) ⊕	Observations	Initials
12/9/19					<p>SO: Animal sedated for implant eval, cleaning & neurorecording. Admin 0.4ml dex/atip, cleaned off incision & implant w/ DMS after obtained a culture from port (smear of sl. yellow creamy sl. from the port rostrally). Trimmed out tags & scabs off. Performed neurorecording. Replaced port cover w/ sterile one, biopatch demabonded on. By Good incision, sl. gaps @ cran (caudal aspect P: C/M POM) ^(POM) margins again on 1/2 to ensure closure. Encourage intake. await culture results.</p>	[REDACTED]
12/9/19	MMU [REDACTED]	LOCATION [REDACTED]	D [REDACTED] mabs →		<p>1 1.4 MLS KET w/o 4050 NEURO3</p>	[REDACTED]
WT: 14.43	CAGE TIME: 1:30	15MIN 3 30MIN 45MIN 1HR 1.25HR 1.5HR 1.75HR 2HR				[REDACTED]
12/10/19	F N N	M			<p>SO: BNR. POM; RE: L eye swollen, inc. + implant margins C/D, scabbed. Minor abrasion ↓ septum C-D, scabbed. ~40%. ↓ palp. fissure L eye, no eryth., d/c. or rubbing seen, mild-mod. periorb. swelling. A: Periodic swelling of, otherwise stable PO. P: d/c from POM, atm on op daily + on MH. update project</p>	[REDACTED]
MMU [REDACTED] 7 yrs 6 mos 14.43kg NRU03	Ketoprofen 100 mg/mL 5.00 mg/kg Dose	72 mg Total Dose	0.70 mLs Volume	IM SID 3 Rte Freq Days	Start 12-10-2019 End 12-12-2019	[REDACTED]
<input checked="" type="checkbox"/> D/C						
<input checked="" type="checkbox"/> CHARGES COMPLETE - Admit <input checked="" type="checkbox"/> Prob. Sheet <input checked="" type="checkbox"/>						
12/11/19	F G N				<p>SO: BNR. POM: Periorbital Swelling. RE: Eye swollen. RL pupils wnl. Mild periorbital edema. L eye, ~1/2 open. No d/c at L eye. No entthema (periorbital) Implant intact w/ yellow and serous d/c at margins.</p>	[REDACTED]

Date	Weight (kg)	Appetite (G, F, P) ⊕	Hydration (G, F, P) ⊕	Stool (N, SS, L, B) ⊕	Observations	Initials
12/8/19	G G SS	SO: BAR, st's intact, scabsbed, one st's tail exposed, no significant swelling or erythema, implant appears stable, mentation & activity appear normal, noted vibration on upper lip				[REDACTED]
		SO2: BAR, POM; incision CDI w/ mild crusting (unchanged from 12/7), periocular edema almost resolved, bruising resolved. Good mentation, moves on + off perch when prompted. Continues to have good appetite for chow + supps. Erosion on philtrum unchanged. Not observed scratching				
		A: improved pruritis, periocular swelling, resolved bruising, improved appetite, continued semisolid stool. Overall good post-op recovery				
		P: Finish rx 12/9, assess to move to home cage				[REDACTED]
		implant cleaning 12/9.				[REDACTED]
Culture						
HS Date	Results					
12/3	L side 2+ Staph (ce) R side 1+ staph (ce) in port no growth	SO3: culture results revealed normal flora from skin margin, no growth from within port itself				[REDACTED]
12/9/19	SO2 (6.2)	SO: BAR POM Incision CDI - scabs pulled up in back V, mild periocular Edema Erosion on philtrum healing slowly - started to dry out & contract Good mentation sitting up brighter Albinism w/ d/c, crusting rostral to port. At 6:00 pm recorded Infection healing well by 10 th int, much improved appetite & improved stool, anal Erosion slowly healing on philtrum P. Sedate for eval & cleaning of port Neuro recording & return to new cage				[REDACTED]

Animal ID# [REDACTED]

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Date	Weight (kg)	Appetite (G, F, P) ⊕	Hydration (G, F, P) ⊕	Stool (N, SS, L, B) ⊕	Observations	Initials
12/6/19					No neurosigns (good mentation - bright off vomer of buprenex) Open eats/sleeps hunched in front but readily gets up & moves around the cage Still mild scratching of face & neck	
MMU [REDACTED] M 7 yrs 6 mos	14.75kg	NRL03			Tech obs, mild clear nasal discharge	
Cefazolin 330 mg/mL 25.00 mg/kg Dose		369 mg Total Dose			A: Improved PO recovery ① Incision c/o ② mild perocular edema & bruising ③ mild but ↓ scratching/pruritis ④ mild d/c @ rostral aspect of myplant P. Encourage intake & add chow Cont all meds, monitor closely, <small>crumbs to PC</small> mention, cranial neoplasia d/c, scratching consider nerve issue + myplant cleaning, monday. Extend Cef to 12/9	
1.10 mLs Volume Start 12-02-2019	IM BID 8 Rte Freq Days					
Extended						
Rice Cereal						
Dose		Total Dose				
Volume Start 12-02-2019	PO SID 8 Rte Freq Days					
Modified Extended Extended, Modified I put chow crumbs in cereal						
12/7/19	G G N				SD: PRP, ate supps. inc. CDL, grabbed. Imp. margin CDL & attn. paid. PS = ♀. Minor abrasion @ mid. ↑ lip. Area ctb w/ mild eryth. MMU active + readily ate all treats offered.	
					A: Stable post POF repair P: ctm on PO daily.	
12/7/19					SD: BARI POM; incision CDL w/ mild crusting (no fresh dc) Periorcular edema + bruising almost resolved. Very bright + interactive, ate S chow + readily took all treats offered. Erosion on philtrum unchanged. Not observed scratching.	
					Az: Improved periorcular edema/bruising, improved appetite, overall improved PO recovery.	
					P: see 12/6 entry	

Date	Weight (kg)	Appetite (G, F, P) ①	Hydration (G, F, P) ②	Stool (N, SS, L, B) ③	Observations	Initials
12/3/19					(Prunes, Re, pret & veg, peanuts) and worked puzzle tubes. Noted mild scratching of leg & face * 2-3 sut tags pulled up in & around incision Cbc (12/3) preop sx 2 WBC 26.1, fibrinogen 200, Hct 38.8, chemo 70 (12/3) Na+ 149 ALT 159, Alk 231, CPK 15,582, LDH 2072 CRP 4.2 A good post op recovery esp after 2 sx in 2d incision clean & dry & intact ④ mild facial/vernal edema cont. ⑤ vernal pruritis ⑥ pain score / Erythema resolving - P. cont to incentive to eat. Cont all meds, give 2nd dose of valium today @ 2 pm to prevent pm picking/scratching Cont POM & incision clip out → tags if needed	[REDACTED]
12/5/19					SZ: buddy moved to adjacent cage & ate now ① fair grade - paired (Buddy = [REDACTED])	[REDACTED]
12/6/19					F 6/6/19: POM incision is cd & I w/ warts & mild edema around eyes w/ mild bruising on upper lids Noted mild discharge rostral in nylet yellow crusting. Philtrum erosion w/ fibrin from pressure of p after 2 sx. along w/ wdt yesterday off valium	[REDACTED]

① RE [REDACTED] 12/5/19.

Date	Weight (kg)	Appetite (G, F, P) ⊖	Hydration (G, F, P) ⊖	Stool (N, SS, L, B) ⊖	(cont.) Observations	Initials
12/4/19					↑ bilaterally lay to the r/s (no scratching) ↑ pickng @ implant. Fair amt of fresh stool in d below cage some of it loose. Fruit, dates, apples, PC, fig bars, etc.	
					① upper eyelid appears wld/mod swollen. Incision intact w/ dried blood & serosanguin discharge from dorsal aspect of the incision.	
					A: Good recovery post op 2 (in 2 days) Incision intact to heal by 1st mt. Wld swelling/pedema w/ patchy bruising. P. chg closely (cont.)	
					Keptra (12/6) Dexmedetomidine (12/7), Af (12/8) Lorazepam (12/4) + Isomacrodex (12/4) - Xeno @ lever 1 & Famotidine (12/7)	
12/4/19					802: animal noted to be scratching face + head; picking @ incision occasionally pulling on implant. Additionally, animal occasionally grabbing + pulling cheeks + facial skin. Rx DVM- gabe 1 st dose Diazepam (~1pm).	
12/4/19					Requested additional enrichment devices (②)	
12/4/19					3:30p: animal freq. picking/pulling @ face + scratching. Picking at incision.	
					Not using additional enrichment during observation	
12/5/19	F (cont.)	N/A			so. BXR Pox clean & intact wld edema of head + face (goodmentation though) relaxed after valium NYL supps	

Date	Weight (kg)	Appetite (G, F, P) ⊕	Hydration (G, F, P) ⊕	Stool (N, SS, L, B) ⊕	Observations	Initials
12/3/19					SO: Rec'd in [REDACTED] prep w/o# RetKO project NPL03 Surgically prepped, performed Con. Ingent Repair See anesthesia log & surgery report. Recovered, returned to home cage. Monitored until fully alert. A: Excellent recovery after 2nd skin P: POM X 7 days, Start RX 2 days	
MMU [REDACTED] M 7 yrs 8 mos 14.75kg NPL03						
Hydromorphone 2 mg/mL 0.15 mg/kg Dose Ended					- ✓ Charges <input checked="" type="checkbox"/> Admit <input checked="" type="checkbox"/> RX <input checked="" type="checkbox"/> Supps <input checked="" type="checkbox"/> Move Sheet - ✓ Surgery Log <input checked="" type="checkbox"/> Anesthesia Log <input checked="" type="checkbox"/> Surgery Report	
1.10 mLs IM TID 2 Volume Rte Freq Days Start 12-02-2019 End 12-03-2019						
MMU [REDACTED] M 7 yrs 8 mos 14.75kg NPL03						
Buprenorphine .3 mg/mL 0.03 mg/kg Dose Ended					D: CBC (12/2) WBC 16.8 (87% PMNs) ibnogn 500 d P.P 8.9 Chem 20 (12/2) J. P 8.7, abs 4.6. Obtained re ✓ CBC & Chem 20 today along w/ cultures round t in pera connector Welded port connector after cleaning & since it was transwelling fairly well Repair s/s was elected - see dx/s sheet & s/s report. Applied opth TAO w/dx overhead & above over shoulders & chest to ↓ itching also elected to soak hydro & switch to buprenex to help relieve potential itching	
1.40 mLs IM BID 2 Volume Rte Freq Days Start 12-04-2019 End 12-05-2019						
12/4/19 FP G N					SO: BBR, mild facial swelling, implant intact; small amt semi-sang dx @ cranial incision. Attention to implant this am; noted to be rubbing eyes esp. r eye, mild periocular erythema & edema noted. Notified DVM.	
12/4/19 F G N S BBR animal has mild facial swelling, w/ mild erythema & bruising or phlebitis						

Date	Weight (kg)	Appetite (G, F, P) ⊕	Hydration (G, F, P) ⊕	Stool (N, SS, L, B) ⊕	Observations	Initials
12/3/19	6.6	F	G	N	<p>SO: BAR, POM: Cranial implant. Animal sitting on Perch ate 3/4 banana, ate prune fruit, fig bar rice cereal. No chow in cage, did not eat veggie. Drank 1/4 Koolaid no boost. Head incisions intact(s) implant intact w/ serosanguineous d/c at implant. Animal scratching at neck intermittently. Mild periorcular edema w/mild swelling at head and mild bruising at (R) brow. D: mild d/c at implant w/minor scratching on Tx P: Continue POM Continue Tx. Vis ✓ daily</p>	
12/3/19	6.6	G	G	N	<p>SO: BAR Animal slept well overnight & has continued to eat very well. However, animal is significantly scratching all over but more so on his head. Also pulling on port connector which is now dislodged (no longer secured). Also noting (R) brow/cheek bruising & mild swelling. Mild bruising @ (D) left ear/cheek & on plurim. Possible increased conj edema w/ serosanguinous d/c when animal pulls on meadow/dort. When animal appeared to be pulling off port - elected to sedate to eval port viability & plan to remove or fix 1.5 ml of Ketamine IV to sedate</p>	

Date	Weight (kg)	Appetite (G, F, P) ⊕	Hydration (G, F, P) ⊕	Stool (N, SS, L, B) ⊕
12/2/19				

MMU [REDACTED] M
7 yrs 7 mos 14.75kg NRL03

Kool-Aid
1.00 bottle(.5L)/anim
Dose 1. Bottle(.5L)
Total Dose \$

1.00 Bottle(.5L) PO SID 3
Volume Rte Freq Days
Start 12-02-2019 End 12-04-2019

MMU [REDACTED] M
7 yrs 7 mos 14.75kg NRL03

Cefazolin 330 mg/mL
25.00 mg/kg
Dose 369 mg
Total Dose \$

1.10 mLs IM BID 7
Volume Rte Freq Days
MMU [REDACTED] Start 12-02-2019
7 yrs 7 mos 14.75kg NRL03

Levetiracetam 100 mg/mL
30.00 mg/kg
Dose 443 mg
Total Dose \$

4.40 mLs SC BID 5
Volume Rte Freq Days
Start 12-02-2019 End 12-06-2019

Dose Total Dose \$

Volume PO SID 4
Rte Freq Days
Start 12-02-2019 End 12-05-2019

MMU [REDACTED] M
7 yrs 7 mos 14.75kg NRL03

Dexamethasone 10 mg/mL
0.75 mg/kg
Dose 11.1 mg
Total Dose \$

1.10 mLs IM SID 2
Volume Rte Freq Days
Start 12-03-2019 End 12-04-2019

MMU [REDACTED] M
7 yrs 7 mos 14.75kg NRL03

Dexamethasone 10 mg/mL
0.50 mg/kg
Dose 7.4 mg
Total Dose \$

0.70 mLs IM SID 2
Volume Rte Freq Days
Start 12-05-2019 End 12-06-2019

MMU [REDACTED] M
7 yrs 7 mos 14.75kg NRL03

Dexamethasone 10 mg/mL
0.25 mg/kg
Dose 3.7 mg
Total Dose \$

0.37 mLs IM SID 1
Volume Rte Freq Days
Start 12-07-2019 End 12-07-2019

Observations

SO: Rec'd in [REDACTED] prep wo# 3852, project NRL03

Surgically prepped, performed Neuro SW

See anesthesia log & surgery report. Recovered, returned to home cage. Monitored until fully alert.

A: Cranial Implant

P: POM X 7 days, Start RX

✓Charges ✓Admit ✓RX ✓Supps ✓Move Sheet
Surgery Log ✓Anesthesia Log ✗ Surgery Report

Initials [REDACTED]

MMU [REDACTED] M
7 yrs 7 mos 14.75kg NRL03

Water
1.00 bottle(1L)/animal
Dose 1. Bottle(1L)
Total Dose \$

1.00 Bottle(1L) PO SID 7
Volume Rte Freq Days
Start 12-02-2019 End 12-08-2019

MMU [REDACTED] M
7 yrs 7 mos 14.75kg NRL03

Rice Cereal
Dose \$ Total Dose

PO SID 6
Rte Freq Days

Start 12-02-2019 End 12-07-2019

MMU [REDACTED] M
7 yrs 7 mos 14.75kg 14

Buprenorphine .3 mg/mL
0.03 mg/kg
Dose .4 mg
Total Dose \$

IM SID 3
Rte Freq Days

Start 12-02-2019 End 12-04-2019

MMU [REDACTED] M
1.50 mLs 15 mg

Maropitant 10 mg/mL
1.00 mg/kg
Dose Total Dose \$

SC SID 3
Rte Freq Days

Start 12-02-2019 End 12-04-2019

MMU [REDACTED] M
1.50 mLs 14.75kg ^NRL03^

Fruit + Veggies
Dose Total Dose

PO SID 7
Rte Freq Days

Start 12-02-2019 End 12-08-2019

10. Right before closure. The rostral & caudal feet on the external connector were (under the skin) broke off. The surgeon stated that both feet had smooth edges - not sharp at the break. Animal recovered very quickly after turning off the Isoflurane. Sat up & ate right after being placed in the cage.
A: Excellent initial post op recovery
P: CRM closely overnight

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

Date	Weight (kg)	Appetite (G, F, P) ⊖	Hydration (G, F, P) ⊖	Stool (N, SS, L, B) ⊖	Observations	Initials
12-20-19	12.92				Box wt	[REDACTED]
11/11/19		G	G	N SS, L	SO: BAR ⊖ Re: Liquid stool. Stool in cage was normal, semi solid, liquid, clean cage. A: Unrecent report P: CTM on routine MT.	[REDACTED] NEPD or tail stain. Mostly normal stool b/t cage w/ small amounts semisolid & liquid.
3/1/19					1.3 MLS KETMINE IM, BLED _____ MLS, ROOM ROUND UP, TB TEST LEFT EYE 24HR----48HR----72HR----, ANIMAL MONITORED UNTIL RECOVERED	[REDACTED]
	WT: 12.61					[REDACTED]
4-25-19	13.15				Box wt	[REDACTED]
6-27-19	14.64				Box wt.	[REDACTED]
10/19/19	G G N	SO: BPX AAR: bld urin & ~3-4 ml blood in cage pan, no trauma or blood seen on animal, moving in cage wnl, bright & interactive, suspect pair mate			A: apparently healthy animal P: CTM on routine MT	[REDACTED]
10-21-19	G G CC	SO: Bar, Re: Vomit; Cage cleaned prior to observation, no new vomit in pan. Animal active with NEPD. A: unconfirmed report of Emesis.			Pictm on m/t.	[REDACTED]
10-19-19	14.75				Box wt	[REDACTED]
12/2/19	MMU [REDACTED] WT: 13.67	1.6 MLS KET/ D->SURGERY PREP HO STAFF TO MONITOR RECOVERY			W.O. 3852 NRL03	
(1) 12/1/19					MMU [REDACTED] M 7yrs 7mos 14.75kg NRL03	[REDACTED]
					Dexamethasone 10 mg/mL 1.00 mg/kg 15 mg Dose Total Dose	[REDACTED]
					Famotidine 10 mg/mL 0.50 mg/kg 7.4 mg Dose Total Dose	[REDACTED]
					1.50 mLs IM SID 2 Volume Rte Freq Days Levetiracetam 100 mg/mL 14.00 mg/kg 207 mg Dose Total Dose	[REDACTED]
					0.70 mLs IM SID 7 Volume Rte Freq Days Start 12-01-2019 End 12-07-2019	[REDACTED]
					2.10 mLs SC BID 1 Volume Rte Freq Days Start 12-01-2019 End 12-01-2019	[REDACTED]

Date	Weight (kg)	Appetite (G, F, P) ⊕	Hydration (G, F, P) ⊕	Stool (N, SS, L, B) ⊕	Observations	Initials					
10/1/18					SO: Transported to [REDACTED] for MRI, project <u>NRL02</u> WO# <u>3040</u> . Sedated with ketamine <u>1.2</u> mls, Animal <u>was</u> / was not placed in Stereotax, performed MRI per protocol, recovered fully, returned to CNPRC home cage. Animal <u>did/did not receive Ketoprofen or Buprenex IM</u>	[REDACTED]					
10/2/18					CT SCAN NNL ✗	[REDACTED]					
10/3/18	MMU [REDACTED]	WT: 0.93 MLS TELAZOL IM, D → SS2007/CT SCAN			3040 NRL02	[REDACTED]					
		CAGE TIME <u>945</u>	<u>15MIN</u>	<u>130MIN</u>	<u>/ 45MIN</u>	<u>2THR</u>	<u>2.25HR</u>	<u>3.1.5HR</u>	<u>1.75HR</u>	<u>2HR</u>	
10/29/18	12.05	G G N	SO: BAR. (P) RE: Vomit: Small Amount of Vomit (<u>x2mls</u>) in cage pan. Animal eating well and is active with NEPD.	Boxed	A: Confirmed Vomit report. 1 st report	P: CTM on m.t.					
11-8-18											
11/20/18	6.6 N		SO: BAR , RE: Vomit. Noted vomit in cage pan.		A: Confirmed vomit. <u>2nd</u> recent report	P: CTM on MH / OP.	CP, unable to confirm source.				
11/25/18	A A N		SO: BAR (P), RE: Vomit. Noted vomit in cage pan.		A: Confirmed vomit. <u>3rd</u> recent report.	P: CTM on (MH) / OP.	~10mls Vomit. suspect pair mate, possible vomit @ mouth. NEPD, readily ate treats.				
12/9/18	A A N		SO: BAR (P), RE: Vomit. Noted vomit in cage pan.		A: Confirmed vomit. <u>3rd</u> recent report.	P: CTM on MH / OP.	~10 Mls. NEPD, readily ate treats, unable to confirm source.				

Date	Weight (kg)	Appetite (G, F, P) ⊕	Hydration (G, F, P) ⊕	Stool (N, SS, L, B) ⊕	Observations	Initials
4/26/18					P: CTM on MA	[REDACTED]
5/25/18	F G	CC SO: FAIR	Re: nasal discharge + vomit, unable to confirm either due to clean cage + absence of discharge A: 1 st recent sept of both P: CTM w/ repts			[REDACTED]
6/5/18					Cardiologist-guided echocardiogram performed due to: pre-shipment / pre-project clinical Preliminary Results: Normal / LVH / Suspect (await final results) Comments: Final Echo Result: _____ LVH Negative	[REDACTED]
6/5/18	MMU [REDACTED] 1.3 MLS KET IM, ~CW1302				W/O 1607 SPF01	[REDACTED]
WT: 10.37	CAGE TIME 0:15 15MIN 2 30MIN 3 45MIN 1HR 1.25HR 1.5HR 1.75HR 2HR					[REDACTED]
					19-76 / BLED 5 MLS VIA ARMPULL W/O 1741 ARM01	[REDACTED]
					KET IM , BLED 3 MLS EST R EYE 24HR 48HR 72HR - MONITORED UNTIL RECOVERED	[REDACTED]
9/27/18	MMU [REDACTED] 1.2 ML KETAMINE BLED 3 MLS D→ 1310 W/O 2899 NRL02					[REDACTED]
TIME: 2:20	15MIN 2 30MIN 3 45MIN 1HR 1.25HR 1.50HR 1.75.HR 2HRS					[REDACTED]
WT: 11.68						[REDACTED]
9/27/18					✓ pre-project physical ✓ pre-shipment physical ✓ weaning physical	[REDACTED]
					See associated P.E. sheet for additional information.	[REDACTED]
10/1/18	11:10				30X AND LOAD INTO TRUCK	[REDACTED]
					10/1/18 MMU [REDACTED] BOX / LOAD INTO TRANSPORT TRUCK,	NRL02 W.O. 3014
					WT: 11.10 CAGE TIME 15MIN 30MIN 45MIN 1HR 1.25HR 1.5HR 1.75HR 2HR	

Final Necropsy Report

Animal ID MMU [REDACTED]
Sex M
Age 7 yrs 9 mon
Investigator [REDACTED]
Pathologist [REDACTED]
Resident [REDACTED]

Report ID 68698
Death Type X
Weight (KG) 13.95
Project NRL03
Clinician
Hydration 3

Report Complete 27-FEB-20
Location [REDACTED]
Work Performed 06-JAN-20
Time Performed 12:00 AM
Charge ID BZ59
Pathology Condition 3

Gross Observations BODY AS A WHOLE

IFS=3/5. The skin surrounding the port is red and minimally wet with small amounts of serosanguinous fluid. The surrounding subcutaneous tissues and musculature are minimally edematous. The implant sites are grossly within normal limits. The lung lobes are pale pink and float in formalin. The gastric lumen is partially occluded by a large trichobezoar. The gastric mucosa is pale pink. The small and large intestine are empty. The cecum and colon have a thickened mucosa.

CYTOTOLOGY

Cytology taken from the port, under the port, between the implants and over the implants were largely acellular consisting of rare squamous epithelial cells (likely contamination). There are no inflammatory cells are bacteria in the slides examined.

Gross Diagnosis

- 1 STOMACH TRICHOBEOZAR-HAIRBALL

Gross Comments

The trichobezoar did not result in complete occlusion and is therefore considered incidental at time of necropsy. There was also evidence of large intestinal mucosal thickening suggesting a typhylocolitis but histology is needed to confirm. Bacterial cultures and cytology samples were taken from the port and implant. Results are pending.

All tissue was collected per the NRL protocol.

Final Observations BODY AS A WHOLE

The following tissues are within normal limits:

- Slide 1: Lung
- Slide 2: Liver and GB
- Slide 3: Spleen
- Slide 4: Left kidney
- Slide 5: Right kidney
- Slide 6: Duodenum
- Slide 7: Pancreas and duodenum
- Slide 8: Jejunum
- Slide 9: Ileum
- Slide 12: Cervical spinal cord

Slides 13 and 14: There is moderate dissecting fibrosis and karyomegaly within the left papillary muscle. There is mild myxomatous degeneration of the valvular leaflet.

Slide 6: There are moderate numbers of lymphocytes and plasma cells within the superficial lamina propria (unknown clinical significance).

HEART

STOMACH

Final Diagnosis

- 1 HEART ENDOCARDIOSIS
- 2 STOMACH GASTRITIS

BZ59 / NRL03
I.D. PROJECT CODE

NX
CALIFORNIA PRIMATE
RESEARCH CENTER

2043 2044
 VIRAL PRECAUTION

[REDACTED]
INVESTIGATOR REQUESTOR

ANIMAL DATA [REDACTED]
ROOM CAGE

MICROBIOLOGY

mmu [REDACTED]
ANIMAL I.D.

12 / 30 / 19
DATE OF SAMPLE

M F YR MO 13.3 KG
SEX AGE WEIGHT

PROCEDURE IS: DIAGNOSTIC AID COLONY MANAGEMENT EXPERIMENTAL

CLINICAL SIGNS / PROBLEMS: <input type="checkbox"/> DIARRHEA Implant infection rev		PRIOR THERAPY <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES LIST ALL AGENTS: TMS							
HOSPITALIZED NO <input type="checkbox"/> YES <input type="checkbox"/>		SOURCE OF SPECIMEN(S) ① (green) - in port ② (red) - rostral skin margin							
CULTURES REQUESTED <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	NEGATIVE RESULT <input type="checkbox"/> NEGATIVE <input type="checkbox"/> NO GROWTH								
DIRECT MICROSCOPIC EXAMINATION									
ORGANISMS IDENTIFIED									
1. 1/3 ① Few colonies staph coagulase positive Negative									
2.									
3.									
4.									
5.									
6.									
7.									
8.									
□ 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)
1									

REPORTED BY: [REDACTED]

REPORT DATE: 1/3/20

0001-1-3-20

CLINICAL MICROBIOLOGY

2/2014

WHITE- ANIMAL'S CHART

YELLOW- LABORATORY

PINK- REQUESTOR

UCD 0597

42591 N2L03
I.D. PROJECT CODE

NX
CALIFORNIA PRIMATE
RESEARCH CENTER

VIRAL PRECAUTION

[REDACTED]
ANIMAL I.D.

[REDACTED]
INVESTIGATOR REQUESTOR

MISCELLANEOUS

12/16/19
DATE OF SAMPLE

ANIMAL DATA

ROOM CAGE

M 7 YR 8 MO 14.4 KG
SEX AGE WEIGHT

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

CLINICAL SIGNS / PROBLEMS: cervical vaginal discharge cultured candida (++) and	PRIOR THERAPY LIST ALL AGENTS: -do for 1 wk
HOSPITALIZED NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> ROOM CAGE	

BLEEDING CONDITIONS: Squeezed - limb pulled Caught on run Fasted ____ hrs Anesthetized Other _____

PROCEDURE(S) REQUESTED: cytology, gram stain, +1 additional stains if path request

SPECIMEN: 6 slides to stain (1st, 2nd, smear x2, endocervix x2) 2 in reserve
(3rd, 4th)

RESULTS

Diagnosis-suppurative inflammation

The suppurative inflammation described on cytology is consistent w/ the discharge noticed @ presentation. Although low numbers of yeast were seen on cytology, culture results are indicative of Candida spp.
① ~~Vaginal~~ infection

DEE, Wrong Word, [REDACTED] 12/16/19

MISCELLANEOUS

6264

NX

BZ 591 NRL 03
I.D. PROJECT CODECALIFORNIA PRIMATE
RESEARCH CENTER VIRAL PRECAUTIONMMU [REDACTED]
ANIMAL I.D.

INVESTIGATOR REQUESTOR

MISCELLANEOUS

12 / 30 / 19

DATE OF SAMPLE

ANIMAL DATA: [REDACTED]
ROOM CAGEM 7 YR 9 MO 13.3 KG
SEX AGE WEIGHTPROCEDURE IS: DIAGNOSTIC AID: _____ COLONY MANAGEMENT: _____ EXPERIMENTAL: _____

CLINICAL SIGNS / PROBLEMS: Implant infection rev	PRIOR THERAPY <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES LIST ALL AGENTS: TMS
HOSPITALIZED <input type="checkbox"/> YES <input checked="" 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: cytology	

SPECIMEN: Rostral skin margin swab x 2
Swab from inside port x 2

RESULTS
Compared to the samples examined on 12/16/19, these samples are consistent with reduced inflammation. There are no intracellular bacteria in neutrophils or macrophages. The bacteria visualized are diploccci and cocci, Gram +, and are on the surface of keratinocytes.

MISCELLANEOUS

29-36

 VIRAL PRECAUTION

BZ 59

I.D. PROJECT CODE

INVESTIGATOR REQUESTOR

CALIFORNIA PRIMATE
RESEARCH CENTER

ANIMAL I.D.

1/16/2020 DATE OF SAMPLE

ANIMAL DATA: _____
ROOM CAGESEX YR MO KG
AGE WEIGHTPROCEDURE IS: DIAGNOSTIC AID COLONY MANAGEMENT EXPERIMENTAL

CLINICAL SIGNS / PROBLEMS: <input type="checkbox"/> DIARRHEA infected implant		PRIOR THERAPY <input type="checkbox"/> NO <input type="checkbox"/> YES LIST ALL AGENTS: Antibiotics ① Implant 1 ② 2 ③ 3 ④ 4 ⑤ LF BTW implant ⑥ RT BTW implant ⑦ port ⑧ under port							
HOSPITALIZED <input type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/>		SOURCE OF SPECIMEN(S)							
CULTURES REQUESTED	NEGATIVE RESULT NEGATIVE <input type="checkbox"/> NO GROWTH <input type="checkbox"/>		DIRECT MICROSCOPIC EXAMINATION						
<input type="checkbox"/> ENTERIC SCREEN SHIGELLA, YERSINIA, SALMONELLA									
<input type="checkbox"/> CAMPYLOBACTER									
<input type="checkbox"/> YERSINIA (CLINICAL)									
<input checked="" type="checkbox"/> AEROBIC 2, 3, 4, 8	VVVV								
<input type="checkbox"/> ANAEROBIC									
<input type="checkbox"/> FUNGI/YEAST									
<input type="checkbox"/> LISTERIA									
<input type="checkbox"/> OTHER									
ORGANISMS IDENTIFIED									
1. Implant 1 : Isolated from thio broth - Staph coagulase negative 2. LF BTW Implant: 1 colony Staph coagulase negative 3. RT BTW Implant: 1+ Staph coagulase negative 4. Port: 1+ Staph coagulase negative 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)

REPORTED BY:

REPORT DATE: 1-10-20

CLINICAL MICROBIOLOGY

2/2014

WHITE- ANIMAL'S CHART

YELLOW- LABORATORY

PINK- REQUESTOR

UCD 0600

2015-2016

 VIRAL PRECAUTION

BZ59 / NRL 03

I.D. PROJECT CODE

INVESTIGATOR REQUESTOR

ANIMAL DATA: [REDACTED]
ROOM CAGECALIFORNIA PRIMATE
RESEARCH CENTER

MICROBIOLOGY

mmu [REDACTED]
ANIMAL I.D.12 / 23 / 19
DATE OF SAMPLEM 7 YR 8 MO 14.4 KG
SEX AGE WEIGHTPROCEDURE IS: DIAGNOSTIC AID COLONY MANAGEMENT EXPERIMENTAL

CLINICAL SIGNS / PROBLEMS: <input type="checkbox"/> DIARRHEA	cranial implant re-check		PRIOR THERAPY <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES TMS LIST ALL AGENTS: #1 (green) - implant+skin margin (rostral)	
HOSPITALIZED <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES			SOURCE OF SPECIMEN(S) #2 (red) - inside port	
CULTURES REQUESTED	NEGATIVE RESULT		DIRECT MICROSCOPIC EXAMINATION	
	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	#1 ✓		#2 ✓
	<input checked="" type="checkbox"/> FUNGI/YEAST #1 ①			#1 ✓
<input type="checkbox"/> LISTERIA				
<input type="checkbox"/> OTHER				

ORGANISMS IDENTIFIED

1. #1 Aerobic: 1+ Staph coagulase negative
- 2.
3. #2 Aerobic: 1+ Candida glabrata
4. Fungi/Yeast: 1+ Candida glabrata
- 5.
- 6.
- 7.
- 8.

 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)
1			R	R	R		R		S

REPORTED BY: [REDACTED]

REPORT DATE: 12-27-19

CLINICAL MICROBIOLOGY

2/2014

① EE [REDACTED] 12-27-19

WHITE- ANIMAL'S CHART

YELLOW- LABORATORY

PINK- REQUESTOR

UCD 0601

AMENDED
REPORT-CHART
COPY

1984-1985

VIRAL PRECAUTION

525A/NRL 03
I.D. PROJECT CODE

CALIFORNIA PRIMATE
RESEARCH CENTER

[REDACTED] ANIMAL I.D.

INVESTIGATOR REQUESTOR

ANIMAL DATA:
ROOM CAGE

12/16/85
DATE OF SAMPLE

M 7 YR 8 MO 14.4 KG
SEX AGE WEIGHT

PROCEDURE IS: DIAGNOSTIC AID COLONY MANAGEMENT EXPERIMENTAL

CLINICAL SIGNS / PROBLEMS: <input type="checkbox"/> DIARRHEA <i>Control instant discharge</i> <i>- prev. candida growth</i>		PRIOR THERAPY <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES LIST ALL AGENTS: <i>*1 red - incell recording port</i> <i>*2 open - nasal implant - external s.</i>
HOSPITALIZED <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES		SOURCE OF SPECIMEN(S)
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 type="checkbox"/> ANAEROBIC #1 & #2		✓ #2
<input type="checkbox"/> FUNGI/YEAST		
<input type="checkbox"/> LISTERIA		
<input type="checkbox"/> OTHER		
DIRECT MICROSCOPIC EXAMINATION		

ORGANISMS IDENTIFIED

1. #1 - Aerobic: 3+ E. coli
2. Fungi/yeast: 2+ Candida glabrata
- 3.
4. #2 - Aerobic: 1+ Staph coagulase negative
5. Few colonies E. coli
- 6.
- 7.
- 8.

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)
1	S S			S	R	S		S	
4			S	S	S		S	S	S
5	S S			S	R S		S	S	

REPORTED BY: [REDACTED]

REPORT DATE: 12-19-85

CLINICAL MICROBIOLOGY

AMENDED
REPORT

1984-1985

VIRAL PRECAUTION

825A/NRL 03

I.D. PROJECT CODE

INVESTIGATOR REQUESTOR

ANIMAL DATA: [REDACTED]
ROOM CAGE

CALIFORNIA PRIMATE
RESEARCH CENTER

MICROBIOLOGY

[REDACTED] ANIMAL I.D.

12/16/19 DATE OF SAMPLE

M 7 YR 8 MO 14.4 KG
SEX AGE WEIGHT

PROCEDURE IS: DIAGNOSTIC AID COLONY MANAGEMENT EXPERIMENTAL

CLINICAL SIGNS / PROBLEMS: <input type="checkbox"/> DIARRHEA <i>Const. mucus discharge</i> <i>- prev. candida growth</i>		PRIOR THERAPY <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES LIST ALL AGENTS: <i>*1 red - inside recording port</i> <i>*2 open - nasal implant - costal s.</i>
HOSPITALIZED <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES		SOURCE OF SPECIMEN(S)
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 #1 & #2		✓ ✓#2
<input type="checkbox"/> FUNGI/YEAST		
<input type="checkbox"/> LISTERIA		
<input type="checkbox"/> OTHER		

ORGANISMS IDENTIFIED

1. #1 - Aerobic: 3+ E. coli
2. Fungi/Yeast: 2+ Candida glabrata
- 3.
4. #2 - Aerobic: 1+ Staph coagulase negative
5. Few colonies E. coli
- 6.
- 7.
- 8.

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)
1	S	S	S	R	S	S	S	S	
4	S	S	S	S	S	S	S	S	
5	S	S	S	R	S	S	S	S	

REPORTED BY: [REDACTED]

REPORT DATE: 12-19-19

CLINICAL MICROBIOLOGY

1984-1985

 VIRAL PRECAUTIONB25A, NPL 03
I.D. PROJECT CODECALIFORNIA PRIMATE
RESEARCH CENTER[REDACTED]
ANIMAL I.D.INVESTIGATOR [REDACTED] REQUESTOR
ANIMAL DATA: [REDACTED]

MICROBIOLOGY

12 / 16 / 19
DATE OF SAMPLE
M 7 YR 8 MO 14.4 KG
SEX AGE WEIGHTPROCEDURE IS: DIAGNOSTIC AID COLONY MANAGEMENT EXPERIMENTAL

CLINICAL SIGNS / PROBLEMS:

 DIARRHEACentral implant discharge
- pre- candida growthHOSPITALIZED YES

PRIOR THERAPY

 NO YESPaws steroids abx
off for 1 wk
#1 red + inside recording port
#2 green central implant - costal site

LIST ALL AGENTS:

CULTURES REQUESTED

NEGATIVE RESULT

NEGATIVE

NO GROWTH

 ENTERIC SCREEN

SHIGELLA, YERSINIA, SALMONELLA

 CAMPYLOBACTER YERSINIA (CLINICAL) AEROBIC ANAEROBIC #1 & #2

✓

 FUNGI/YEAST

✓ #2

 LISTERIA OTHER

DIRECT MICROSCOPIC EXAMINATION

ORGANISMS IDENTIFIED

1. #1 - Aerobic: 3+ E. coli
2. Fungi/yeast: 2+ Candida glabrata
- 3.
4. #2 - Aerobic: 1+ Staph coagulase negative
5. Few colonies E. coli
- 6.
- 7.
- 8.

 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)
1	S	S		S R	S			S	

REPORTED BY: [REDACTED]

REPORT DATE: 12-19-19

CLINICAL MICROBIOLOGY

2/2014

WHITE- ANIMAL'S CHART

YELLOW- LABORATORY

PINK- REQUESTOR

UCD 0604

1967

C759 WRL03
I.D. PROJECT CODE

INVESTIGATOR REQUESTOR

ANIMAL DATA
ROOM CAGE

of
CALIFORNIA PRIMATE
RESEARCH CENTER

MICROBIOLOGY

 VIRAL PRECAUTION

Muu [REDACTED]
ANIMAL I.D.

12/1/17
DATE OF SAMPLE

SEX YR MO KG
AGE

PROCEDURE IS: DIAGNOSTIC AID COLONY MANAGEMENT EXPERIMENTAL

CLINICAL SIGNS / PROBLEMS: <input type="checkbox"/> DIARRHEA		PRIOR THERAPY <input type="checkbox"/> NO YES LIST ALL AGENTS: <i>Cefazolin</i>	
HOSPITALIZED <input checked="" type="checkbox"/> YES <input type="checkbox"/>		SOURCE OF SPECIMEN(S) <i>W/c around port</i>	
CULTURES REQUESTED	NEGATIVE RESULT <input type="checkbox"/> NEGATIVE <input type="checkbox"/> NO GROWTH		DIRECT MICROSCOPIC EXAMINATION
<input type="checkbox"/> ENTERIC SCREEN SHIGELLA, YERSINIA, SALMONELLA			
<input type="checkbox"/> CAMPYLOBACTER			
<input type="checkbox"/> YERSINIA (CLINICAL)			
<input checked="" type="checkbox"/> AEROBIC			
<input type="checkbox"/> ANAEROBIC			
<input type="checkbox"/> FUNGI/YEAST			
<input type="checkbox"/> LISTERIA			
<input type="checkbox"/> OTHER			

ORGANISMS IDENTIFIED

1. Few colonies Staph coagulase negative
2. 2+ Candida glabrata
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.

 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)

REPORTED BY: [REDACTED]

REPORT DATE: 12-13-19

CLINICAL MICROBIOLOGY

2/2014

WHITE- ANIMAL'S CHART

YELLOW- LABORATORY

PINK- REQUESTOR

UCD 0605

Post-operative monitoring record

Date: 12/3/19 Animal# [REDACTED] Procedure: Cranial Implant & Port Repair

	<u>Date</u>						
General Observations	12/4/19	12/5/19	12/6/19	12/7/19	12/8/19	12/9/19	12/10/19
Appetite	F/P	F	F	G	G	Fast	F
Hydration	G	G	G	G	G	G	G
Stool	N	SS	SS	N	SS	W/SS	N
Incision	int	int	int	int	int	CDI	CDI
	Score						
Physiologic parameters							
Pupils							
Normal	0	+	+	0	+		
Dilated	2						
Respiratory Rate							
Eupenic	0	+	+	0	+		
Tachypnea	2						
Mucous membranes							
Pink	0	+	+	0	+		
Pale	2						
Posture							
Sitting/standing upright	0	+	+	0	+		
Hunched posture	1						
Head between knees	2						
Sitting, legs extended	2						
Recumbent	3						
Fetal position	3						
Activity							
Moving normally in cage	0		+	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	+	+	0	+		
Loud vocalization	3						
High pitched vocalization	3						
Post-operative Score		1	+	0	+		
Initials:							

Revised 1/2017

1951-195

B7591 NRLO3
I.D. PROJECT CODECALIFORNIA PRIMATE
RESEARCH CENTER

INVESTIGATOR REQUESTOR

ANIMAL DATA:

ROOM CAGE

PROCEDURE IS:

DIAGNOSTIC AID

COLONY MANAGEMENT

 VIRAL PRECAUTION

ANIMAL I.D.

12, 3, 19

DATE OF SAMPLE

M
SEX7 YR 8 MO
AGE14.7 KG
WEIGHT

X EXPERIMENTAL

CLINICAL SIGNS / PROBLEMS:

 DIARRHEA

Presx-2

HOSPITALIZED NO YES

PRIOR THERAPY

 NO YES

LIST ALL AGENTS:

SOURCE OF SPECIMEN(S)

cervical implant

port connector

- * L DIRECT MICROSCOPIC EXAMINATION
 ① side base of cylinder on loose surface
 ② side under tip of skin margin
 ③ inside port

CULTURES REQUESTED

NEGATIVE RESULT

NEGATIVE

NO GROWTH

- ENTERIC SCREEN SHIGELLA, YERSINIA, SALMONELLA
- CAMPYLOBACTER
- YERSINIA (CLINICAL)
- AEROBIC
- ANAEROBIC
- FUNGI/YEAST
- LISTERIA
- OTHER

ORGANISMS IDENTIFIED

1. 12/6 ①(L) side 1+ staph coagulase Negative
2. 12/6 ②(R) side 1+ staph coagulase Negative
3. 12/6 ③ Inside port: No growth
- 4.
- 5.
- 6.
- 7.
- 8.

 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)

REPORTED BY:

REPORT DATE:

12/6/19

* EE 12-4-19

2/2014

CLINICAL MICROBIOLOGY

WHITE- ANIMAL'S CHART

YELLOW- LABORATORY

PINK- REQUESTOR

UCD 0607

B757 WRLOS
I.D. PROJECT CODE

CALIFORNIA PRIMATE
RESEARCH CENTER

VIRAL PRECAUTION

MN#

ANIMAL I.D.

5780

[REDACTED]
INVESTIGATOR

[REDACTED]
REQUESTOR

ANIMAL DATA:

ROOM

CAGE

HEMATOLOGY

12 / 3 / 19
DATE OF SAMPLE

M 1 YR 9 MO 4.7 KG
SEX AGE WEIGHT

PROCEDURE IS: DIAGNOSTIC AID

COLONY MANAGEMENT

EXPERIMENTAL

CLINICAL SIGNS / PROBLEMS:

pre-sx 2

PRIOR THERAPY NO YES

HOSPITALIZED NO YES

[REDACTED]
ROOM CAGE

FACS

CD4= / μl

3-4-8-20

CD8= / μl

4- COLOR

Special Panel

CD4/CD8 RATIO=

BLEEDING CONDITIONS: Squeezed - limb pulled Caught on run Fasted _____ hrs Anesthetized other _____

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

ELECTRONIC CELL COUNT

SMEAR EVALUATION: TOTAL WBC 26.1 X 10³ / μl
 CORRECTED WBC X 10³ / μl

PLATELETS:

ADEQUATE

DECREASED +1 +2 +3

INCREASED +1 +2 +3

LARGE PLATELETS

CLUMPED

ERYTHROCYTE MORPHOLOGY:

ESSENTIALLY NORMAL

HYPOCHROMASIA +1 +2 +3 +4

POLYCHROMASIA +1 +2 +3 +4

LEPTOCYTOSIS +1 +2 +3 +4

POIKILOCYTOSIS +1 +2 +3 +4

ANISOCYTOSIS +1 +2 +3 +4

ROULEAUX +1 +2 +3 +4

RETICULOCYTES

% X 10⁵ / μl

DIFFERENTIAL

%

/ μl

RBC

5.41

X 10⁶ / μl

METAMYEOCYTES

HEMOGLOBIN

12.6

gm/dl

BAND NEUTROPHILS

HEMATOCRIT

38.8

%

SEG. NEUTROPHILS

90

23490

MCV

72

fL

LYMPHOCYTES

1

261

MCH

23.4

pg

MONOCYTES

9

2349

MCHC

32.6

pg/fl

EOSINOPHILS

PLATELETS

3.87

X 10⁵ / μl

BASOPHILS

RETICULOCYTES

% X 10⁵ / μl

OTHER

PCV (CENTRIFUGED)

%

NRBC/100 WBC

PLASMA PROTEIN

7.2 gm/dl

COMMENTS: PARTIALLY CLOTTED SAMPLE

Oververified by repeat ECC [REDACTED] 12/3/19

PLASMA COLOR:

NO ABNORMALITIES

HEMOLYZED

ICTERIC

LIPEMIC

FIBRINOGEN

200

mg/dl

REPORTED BY: [REDACTED]

REPORT DATE: 12-3-19

CLINICAL

HEMATOLOGY

White - Animal's Chart

Yellow - Laboratory

Pink - Requestor

B759, NKLO3
I.D. PROJECT CODE

CALIFORNIA PRIMATE
RESEARCH CENTER

2485
 VIRAL PRECAUTION

MICU
ANIMAL I.D.

[REDACTED]
INVESTIGATOR REQUESTOR
ANIMAL D.

CLINICAL
BIOCHEMISTRY

12,3,19
DATE OF SAMPLE

M 7 YR 8 MO 14.7 KG
SEX AGE WEIGHT

PROCEDURE IS: DIAGNOSTIC AID COLONY MANAGEMENT EXPERIMENTAL

CLINICAL SIGNS / PROBLEMS: Pre-Sx 2	PRIOR THERAPY LIST ALL AGENTS: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES
HOSPITALIZED <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES ROOM CAGE	TIME DRAWN AM PM 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)	149	mM/L	15	*	CPK (S.HP)	15582	U/L	25		pH		
2		POTASSIUM (S.HP)	4.6	mM/L	16		ALK PHOS (S.HP)	100	U/L	26		SODIUM		mmol/L
3		CHLORIDE (S.HP)	109	mM/L	17		GGT (S.HP)	50	U/L	27		POTASSIUM		mmol/L
4		TCO ₂ (S.HP)	30	mM/L	18		LDH (SHP)	2072	U/L	28		CHLORIDE		mmol/L
5		ANION GAP (3+4)-(1+2)	15		19		CHOLESTEROL (S.HP)	93	mg/dl	29		PHOSPHOROUS		mg/dl
6		PHOSPHOROUS (S)	6.0	mg/dl	20		TRIGLYCERIDE (S.HP)	63	mg/dl	30		CALCIUM		mg/dl
7		CALCIUM (SHP)	9.8	mg/dl	21		BILIRUBIN TOTAL (S.HP)	0.2	mg/dl	31		MAGNESIUM		mg/dl
8		BUN (S,HP)	8	mg/dl	22		DIRECT	0.0	mg/dl	32		CREATININE		mg/dl
9		CREATININE (S,HP)	0.6	mg/dl	23		INDIRECT		mg/dl	33		MICRO PROTEIN		mg/dl
10		GLUCOSE (S,P,HP)	120	mg/dl	24	*	hsCRP	42	mg/l	34		P/C RATIO		mg/dl
11		TOTAL PROTEIN (S)	6.4	g/dl						35		OSMOLALITY		mOsm/kg
12		ALBUMIN (S)	3.6	g/dl										
13	*	ALT (S,HP)	159	U/L										
14	*	AST (S,HP)	231	U/L										

REPORTED BY [REDACTED]

DATE 12/3/19

PERFORMED BY: CNPRC VMTH OTHER

Verified by Requester 12-3-19 CLINICAL BIOCHEMISTRY

5738

BZ59 / NLL03
I.D. PROJECT CODECALIFORNIA PRIMATE
RESEARCH CENTER VIRAL PRECAUTION
mmu [REDACTED]
ANIMAL I.D.

INVESTIGATOR [REDACTED] REQUESTOR

HEMATOLOGY

12 / 2 / 19
DATE OF SAMPLEANIMAL DATA:
ROOM [REDACTED] CAGEM 7 YR 8 MO 14.7 KG
SEX AGE WEIGHT

PROCEDURE IS: DIAGNOSTIC AID

COLONY MANAGEMENT

EXPERIMENTAL

CLINICAL SIGNS / PROBLEMS:

Pre-Sx

PRIOR THERAPY NO YES

dexamethasone, Keppra

HOSPITALIZED NO YES

[REDACTED] ROOM CAGE

FACS

CD4= / µl

- 3-4-8-20
 4-COLOR
 Special Panel

CD8= / µl

CD4/CD8 RATIO=

BLEEDING CONDITIONS: Squeezed - limb pulled Caught on run Fasted hrs Anesthetized other COMPLETE BLOOD COUNT: ELECTRONIC CELL COUNT, SMEAR EVALUATION, PLASMA PROTEIN, FIBRINOGEN ELECTRONIC CELL COUNT SMEAR EVALUATION: TOTAL WBC X 10³ / µl

PLATELETS:

WBC 16.8 X 10³ / µl CORRECTED WBC X 10³ / µl ADEQUATERBC 5.96 X 10⁶ / µl

DIFFERENTIAL % / µl

- DECREASED +1 +2 +3
 INCREASED +1 +2 +3
 LARGE PLATELETS
 CLUMPED

HEMOGLOBIN 14.0 gm/dl

METAMYELOCYTES

ERYTHROCYTE MORPHOLOGY:

HEMATOCRIT 42.5 %

BAND NEUTROPHILS

 ESSENTIALLY NORMAL

MCV 71 fl

SEG. NEUTROPHILS 87

 HYPOCHROMASIA +1 +2 +3 +4

MCH 23.5 pg

LYMPHOCYTES 10

 POLYCHROMASIA +1 +2 +3 +4

MCHC 32.9 pg/fl

MONOCYTES 3

 LEPTOCYTOSIS +1 +2 +3 +4PLATELETS 3.83 X 10⁵ / µl

EOSINOPHILS

 POIKILOCYTOSIS +1 +2 +3 +4 RETICULOCYTES % X 10⁵ / µl

BASOPHILS

 ANISOCYTOSIS +1 +2 +3 +4 PCV (CENTRIFUGED) %

NRBC/100 WBC

 ROULEAUX +1 +2 +3 +4 PLASMA PROTEIN 8.9 gm/dl

OTHER

PLASMA COLOR:

COMMENTS: PARTIALLY CLOTTED SAMPLE NO ABNORMALITIES HEMOLYZED ICTERIC LIPEMIC FIBRINOGEN 500 mg/dl

REPORTED BY: [REDACTED]

REPORT DATE: 12/2/19

CLINICAL

HEMATOLOGY

BZ59 / NRL03
I.D. PROJECT CODE

CALIFORNIA PRIMATE
RESEARCH CENTER

VIRAL PRECAUTION

20105

[REDACTED]
INVESTIGATOR REQUESTOR

CLINICAL
BIOCHEMISTRY

ANIMAL DATA:
[REDACTED]
ROOM CAGE

PROCEDURE IS: DIAGNOSTIC AID COLONY MANAGEMENT EXPERIMENTAL

CLINICAL SIGNS / PROBLEMS: Pre -sx	PRIOR THERAPY LIST ALL AGENTS: Dexamethasone & Keppra
HOSPITALIZED <input checked="" type="checkbox"/> YES <input type="checkbox"/> ROOM [REDACTED] CAGE [REDACTED]	TIME DRAWN _____ AM PM 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)	151	mM/L	15		CPK (S.HP)	415	U/L	25		pH		
2		POTASSIUM (S.HP)	4.6	mM/L	16		ALK PHOS (S.HP)	93	U/L	26		SODIUM		mmol/L
3		CHLORIDE (S.HP)	100	mM/L	17		GGT (S.HP)	52	U/L	27		POTASSIUM		mmol/L
4		TCO ₂ (S.HP)	29	mM/L	18		LDH (SHP)	493	U/L	28		CHLORIDE		mmol/L
5		ANION GAP (3+4)-(1+2)	21		19		CHOLESTEROL (S.HP)	153	mg/dl	29		PHOSPHOROUS		mg/dl
6		PHOSPHOROUS (S)	2.3	mg/dl	20		TRIGLYCERIDE (S.HP)	41	mg/dl	30		CALCIUM		mg/dl
7		CALCIUM (SHP)	11.1	mg/dl	21		BILI TOTAL (S.HP)	0.2	mg/dl	31		MAGNESIUM		mg/dl
8		BUN (S.HP)	21	mg/dl	22		DIRECT	0.0	mg/dl	32		CREATININE		mg/dl
9		CREATININE (S.HP)	1.0	mg/dl	23		INDIRECT		mg/dl	33		MICRO PROTEIN		mg/dl
10		GLUCOSE (S.P.HP)	83	mg/dl	24		hsCRP	2	mg/l	34		P/C RATIO		mg/dl
11		TOTAL PROTEIN (S)	8.2	g/dl						35		OSMOLALITY		mOsm/kg
12		ALBUMIN (S)	4.6	g/dl										
13		ALT (S.HP)	22	U/L										
14		AST (S.HP)	18	U/L										

REPORTED BY: [REDACTED]

DATE: 12/2/19

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 12/3/19
PROCEDURE: Cranial Implant Repair		ROOM: [REDACTED]	AGE: 7y 8m	
INVESTIGATOR: [REDACTED]		CAGE: [REDACTED]	SEX: M	
REQUESTOR: [REDACTED]		W/O: 3852	WT: 14.75 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				
Animal prepared for surgery in normal manner. Once sedated thoroughly on isoflurane and ketamine, the animal's head was placed into the stereotaxic frame. The percutaneous port was examined and found to be free of its bony anchors. Electrophysiologic cables were attached and the device was interrogated and found to be functional. In consultation with the attending veterinarian, the decision was made to repair the device. The head was steriley prepped. The posterior portion of the previous midline incision was reopened using scissors to cut the sutures. The broken footplates of the port were removed. The screws anchoring them were removed. The sharp edges of the port were trimmed. A titanium plate was used to anchor the base of the port to the skull. Palacos was used to secure the port to the titanium plate and found to be stable. 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.				
Estimated blood loss: approximately 5cc.				
TIME IN:	POST OPERATIVE CARE: 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			
TIME OUT:				
SURGEON: [REDACTED]	ASSISTANT: [REDACTED]	ANESTHETIST: [REDACTED]		
Ani: [REDACTED]	Data Entry	Surgery	Requestor Veterinarian: [REDACTED]	

① see record for post-op Tx. [REDACTED] 12/3/19

Post-operative monitoring record

Date: 12/2/19Animal# mmuProcedure: Neuro SX(Repair 12/3/19)

General Observations	Date	Date	Date	Date	Date	Date	Date
Appetite	<u>12/3/19</u>						
Hydration		<u>F</u>					
Stool		<u>C</u>					
Incision		<u>P</u>					
Score		<u>SYS intact W/D/C</u>					
<i>12/2 OV night do it now</i>							
<u>12/2 MMU 42461</u>	<u>done</u>						
9PM: front of cage, intermittently sleeping, drank H2O (bottle + lixit), food in pouches		<u>done</u>					
attempting to sleep			<u>done</u>				
10PM: front of cage drinking ORT, urinating, Bup admin				<u>done</u>			
11PM: sleeping C front of cage					<u>done</u>		
12AM: intermittently sleeping C front of cage, mild pruritus, eating from cheek pouch						<u>done</u>	
AM: intermittently sleeping C front of cage, mild pruritus (head, face)							<u>done</u>
<i>do it later</i>							
2AM: mild-moderate pruritus (mostly incision + face), intermittently sleeping							
3AM: sitting up, intermittently sleeping.							
Mild pruritus							
4AM: mostly sleeping							
5AM: mostly sleeping, sitting up + alert when awake							
6AM: active, sitting up, eating treats given, defecated and urinated,							
Serosanguineous d/c emitted from caudal incision C port, incision C+D.							
Post-operative Score							
Initials:							

revised 7/2017

California National Primate Research Center: Anesthesia Monitoring Sheet

Page 1 of 1

Animal: WWM

Home Room:

Date: 12/3/19Age: 7y 8mSex: (M)F

Wt. (Kg)

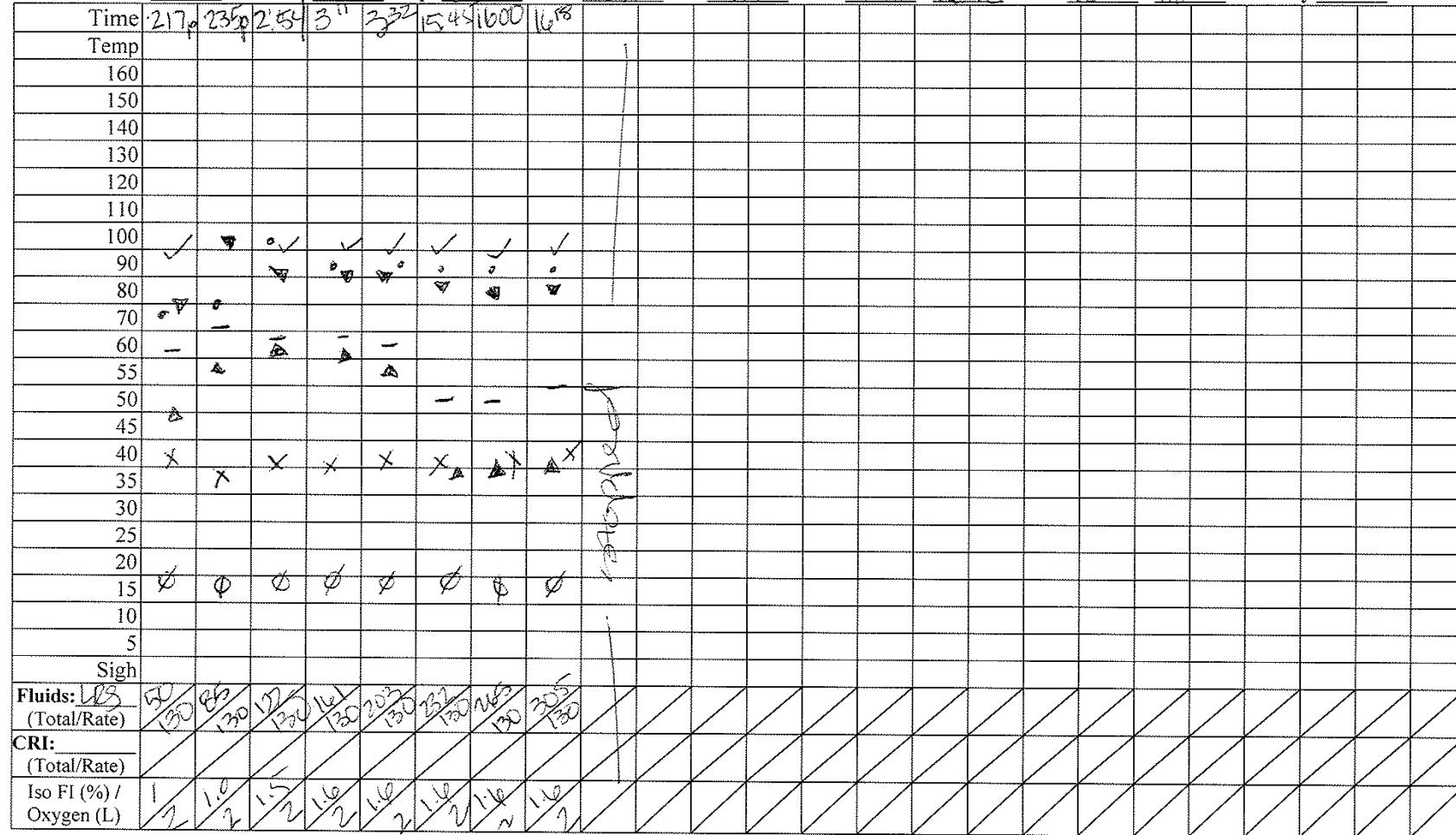
13.0720Procedure: RePain Removal
POVET Tube Size: 6CInvestigator: [REDACTED]

W/O#:

PCWProject ID: NELU43 P BZ557

HR - •, RR - O, 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:
<u>atropine</u>	<u>1.4</u>	<u>IM</u>	<u>2pm</u>	<u>1230/1250 dextrose</u>		<u>IV</u>					
<u>hydromorphone</u>	<u>1.1</u>	<u>IM</u>	<u>2pm</u>	<u>metoclopramide</u>	<u>1.5</u>	<u>IV</u>	<u>2:50</u>				
				<u>Cefazolin</u>	<u>1.1</u>	<u>IV</u>	<u>15:05</u>				

Del: 1:50 Sx Table: 2:05 Prep: 2:50 Start: 15:00 Cut: 15:12 Proc: 1530 - 1610 Close: 1630 - 1630 Recovery _____

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)

Initial: [REDACTED]

rev.6/19-PC15A

CALIFORNIA PRIMATE RESEARCH CENTER INTERVENTION / SURGERY		PROJECT: NRL03	SP MMU [REDACTED]	ANIMAL ID# [REDACTED]	DATE OF EVENT MO DAY YR 12/2/19
PROCEDURE: Cranial Implant			ROOM: [REDACTED]	AGE: 7y 7m	
INVESTIGATOR: [REDACTED]			CAGE: [REDACTED]	SEX: M	
REQUESTOR: [REDACTED]			W/O: 3852	WT: 14.75 kg	
SNOMED CODES		CODED BY:cm		SNOMED TERMS	
Circle one: Experimental (XI) / 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, fentanyl and propofol, 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: 0610	POST OPERATIVE CARE:				
TIME OUT: 10:45P	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]	ANESTHETIST: [REDACTED] [REDACTED]			
Animal Chart	Data Entry	Surgery	Requestor Veterinarian		

California National Primate Research Center: Anesthesia Monitoring Sheet

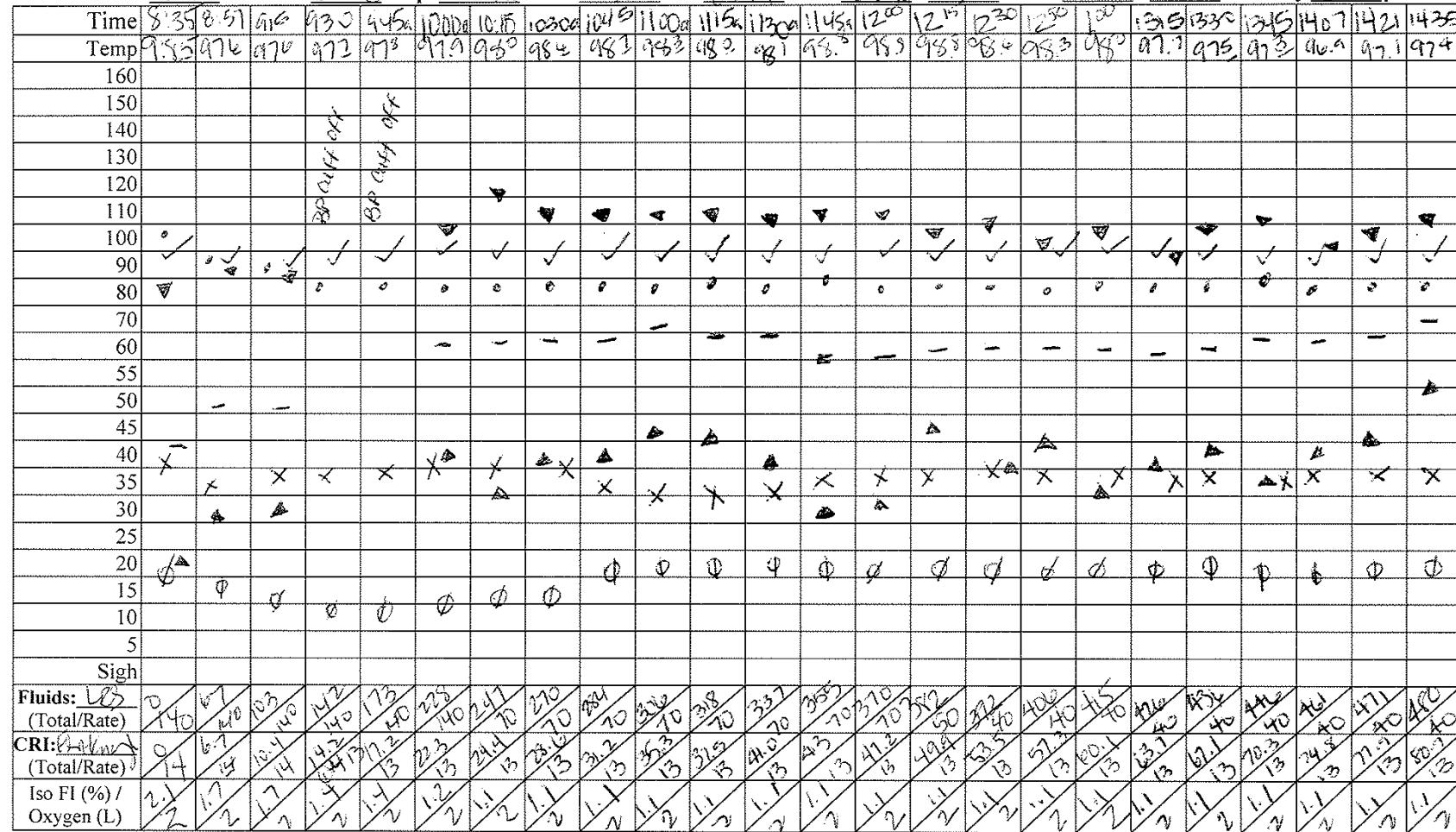
Page 1 of 2

Animal: mmu [REDACTED] Home Room: [REDACTED] Date: 12/12/19 Age: 7y 9m Sex: M/F Wt. (Kg) 14.75
 Procedure: Neuro SX ET Tube Size: 6.0 Investigator: [REDACTED] W/O#: 3852 Project/ID: NPL03/BZ59

HR - •, RR - O, 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:
Morphine	1.4	IM	8:15	Cefazolin	1.0ml	IV	9:03a	Cefazolin	1.0ml	IV	13:10
Lithium	0.75	IV	8:15	Dopamine IV Started	0.1mg/ml	IV	9:41a	Fentanyl	1.4ml	IM	14:24
Lithium	0.2	IM	8:15	Dopamine IV to 7ml/hour	IV	10:52a					
				Cefazolin	1.0ml	IV	11:52a				

Del: 8:10 Sx Table: 8:20 Prep: 8:31 Start: 09:00a Cut: 09:19 Proc: 09:59a - Close: - Recovery to: 45p



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

Second visit [REDACTED] 12/12/19

California National Primate Research Center: Anesthesia Monitoring Sheet

Page 2 of 2

Animal: mmu Home Room: Date: 12/2/19 Age: 748M Sex: M/F Wt. (Kg) 14.75
 Procedure: Neuro Sx ET Tube Size: 6.0 Investigator: W/O#: 3852 Project ID: NRC03/BZ59

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

Pre-Anesthesia:	Dose/ Amount:	Route:	Time:	Intra-Op:	Dose/ Amount:	Route:	Time:	Intra-Op:	Dose/ Amount:	Route:	Time:
				Dexmedetomidine 0.4mg/ml (IV)	0.4mg/ml/100ml	IV	17:17				
				Atropine	1.0eals	IV	1510				
				2.25 mg/kg		IV	17:18				
				Hydro			17:50				
Del:	see p/Sx	Table:	—	Prep:	—	Start:	—	Cut:	—	Proc:	—
Time	1445	1500	1515	1530	1545	1600	1615	1630	1700	1715	1730
Temp	97.5	98.0	98.1	98.4	98.0	97.5	98.3	98.0	98.4	98.5	98.3
160											
150											
140											
130											
120											
110	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
100	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
90	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
80											
70											
60											
55											
50											
45											
40											
35	X	X	X	X	X	X	X	X	X	X	X
30											
25											
20	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
15											
10											
5											
Sigh											
Fluids: v/v	431	472	512	512	518	532	540	555	573	576	592
(Total/Rate)	40	40	40	40	40	40	40	40	40	40	40
CRI: v/v/mm	63	63	63	63	63	63	63	63	63	63	63
(Total/Rate)	13	13	13	13	13	13	13	13	13	13	13
Iso Fi (%) / Oxygen (L)	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1

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)

* Heated/PSKed
 off of Xanax/one base
 Dr. Neelokalsus Edges smooth (not sharp)

Initials

rev.6/19-PC15A