

Litter	
Pig	10
Sex	Male
DOB	03/22/2019
Treatment	Control
Protocol	

Sop of Treatment
Treatment egg yolk study

Date _____

Wt: 1.511

TPN rate: 12.1 ml/hr

Total TPN: 240 ml

Time/Initials	Progress Notes	: flip, temp., color, responsiveness, amount fed, flushed, etc.
3/24/2019 2103 (b) (6), (b) (7)(C)	30.4 ml fed, 5 ml H ₂ O, Temp 39.9, cleaned/gave towel, 5 mins in play pen	
2310 (b) (6), (b) (7)(C)	Flushed catheter w/ 0.5 ml hep-saline	
0000 (b) (6), (b) (7)(C)	temp 39.5, fed 30.4 mL, 5 mL H ₂ O	
0300 (b) (6), (b) (7)(C)	temp 38.6, fed 30.4 mL, 5 mL H ₂ O	
0600	fed 30.4 mL, 5 mL H ₂ O, flushed catheter	
0900	temp 39.2, fed 30.4 mL, 5 mL H ₂ O	
1053	Animal is resting comfortably and wakes and is bright and alert with stimulation.	
1212 (b) (6), (b) (7)(C)	36.9 mL fed, 5 mL H ₂ O, Temp 39.3	
1336 (b) (6), (b) (7)(C)	Cleaned/gave towel	
1501 (b) (6), (b) (7)(C)	36.9 mL fed, 5 mL H ₂ O, Temp 39.3	
1700 (b) (6), (b) (7)(C)	Flushed catheter w/ 0.5 mL hep-saline	
1825 (b) (6), (b) (7)(C)	36.9 mL FED, 5 mL H ₂ O, TEMP 39.7	
2000 (b) (6), (b) (7)(C)	PLAYED IN PEN ~ 30 MIN ALERT PLAYFUL	
2100 (b) (6), (b) (7)(C)	SLEEPING	
2200 (b) (6), (b) (7)(C)	36.9 mL FED, 5 mL H ₂ O, TEMP 38.9	
2330 (b) (6), (b) (7)(C)	SCRAPING 0.5 ML HEP SALINE	
3/25/19 0030 (b) (6), (b) (7)(C)	CLEAN & CHANGE TOWEL	
0145 (b) (6), (b) (7)(C)	Fed ~ 20 ml Control, pig started to regurgitate	
0300 (b) (6), (b) (7)(C)	Stopped feeding, flushed w/ 5 ml H ₂ O, flushed cath w/ 1 ml hep sal, temp 39.2	
0600 (b) (6), (b) (7)(C)	Crackling sound while breathing, tried using suction machine, some improvement but still hear rattling, diarrhea present on towel, changed out, gave 5 ml LR, found a bottle to feed but no nipples	
0900 (b) (6), (b) (7)(C)	Crackling sound still heard but not as bad, feeding tube came out during feeding, assuming it was sliding up anyway. Got about 10 ml in, gave 5 ml LR	
1000 (b) (6), (b) (7)(C)	fed 36.9 mL, replaced feeding tube b/c it had fallen out, 5 mL H ₂ O, flushed catheter, playtime	
1109 (b) (6), (b) (7)(C)	gave anesthesia while reinserting feeding tube	
0000 (b) (6), (b) (7)(C)	fed 36.9 mL w/ 5 mL H ₂ O	
0300 (b) (6), (b) (7)(C)	temp 38.1	
0000 (b) (6), (b) (7)(C)	Resting comfortably. Diarrhea present at cage bottom. Spoke to lab assistant probiotics.	
0300 (b) (6), (b) (7)(C)	fed 36.9 mL w/ 5 mL H ₂ O	
0600 (b) (6), (b) (7)(C)	fed 36.9 mL w/ 5 mL H ₂ O, temp 38.1	
0900 (b) (6), (b) (7)(C)	changed bedding & cleaned cage	

20-02880_000001

Litter	
Pig	10
Sex	Male
DOB	3-22-19
Treatment	Control
Protocol	

Sop of Treatment
Treatment egg yolk study

Date _____

Wt: 1.511

TPN rate: 12.1 ml/hr

Total TPN: 240 ml

Time/Initials	Progress Notes	: flip, temp., color, responsiveness, amount fed, flushed, etc.
3-26-19 1800 (b) (6), (b) (7)(C)	Gave 12.3ml electrolytes & probiotic	
1830	Fed 36.9ml control w/ 5ml H ₂ O + cath flush 0.5ml hep sal	
2130	Fed 36.9 ml + 5ml H ₂ O in large pen, Temp 40.2	
2358	36.9 ml fed, 5ml H ₂ O, Temp 39.7	
127/2019 0301	36.9 ml fed, 5ml H ₂ O, Temp 39.6, has diarrhea and trembling	
0515 (b) (6), (b) (7)(C)	cleaned, gave towel	
0630	weighed, fed pig 37ml + 5ml H ₂ O	
0730	Gave 2ml Kaopectate, catheter secured	
0900	Fed 42ml control + 5ml H ₂ O, temp 39.8	
1145	Fed 42ml + 5ml H ₂ O in large pen, changed towel, diarrhea	
0315	feeding tube came out, gave anesthetic & replaced could not feed while pig was asleep!	
	changed towel	
1815 (b) (6), (b) (7)(C)	fed 42ml, 5ml H ₂ O, 1ml saline (blood in line), changed towel. Tube feedings slightly pours back out top. temp 38.6	
2115 (b) (6), (b) (7)(C)	Fed 42ml, 5ml H ₂ O, temp 37.4	
3/28/2019 0030	Fed 42ml, 5ml H ₂ O, Temp 38.2	ALERT ACTIVE
0315	Fed 42ml, 5ml H ₂ O, Temp 38.9	ALERT ACTIVE
0330	2ml KAOPECTATE 5ml H ₂ O	
0345	0.5ml HEP SAL FLUSH	
0545	CLEAN & CHANGE TOWEL	
0700 0530	feeding tube came out, gave anesthetic and replaced, Temp 38.2, could not feed due to being asleep	
0849 (b) (6), (b) (7)(C)	Fed 43.9ml, 5ml H ₂ O, Temp 38.6	
1038	catheter out, 10 mins in play pin, very active	
1203 (b) (6), (b) (7)(C)	43.9 ml fed, 5ml H ₂ O, Temp 38.5	
1330	Cleaned / changed towel	
1540	43.9 ml fed, 5ml H ₂ O, Temp 38.9	
1800 (b) (6), (b) (7)(C)	Fed 43.9ml + 5ml H ₂ O in large pen, feed is coming back up out of tube shortly after, changed towel, not as active as usual	
2100	Fed 43.9ml + 5ml H ₂ O, still some came back out from tube. Temp 38.9, changed out towel, seems lethargic.	

Litter	
Pig	3
Sex	
DOB	
Treatment	
Protocol	

Sop of Treatment
Treatment _____

Date _____

Wt: _____

TPN rate: _____

Total TPN: _____

Time/Initials	Progress Notes : flip, temp., color, responsiveness, amount fed, flushed, etc.
0300 (b) (6), (b) (7)(C)	temp 38.8, fed 32 ml, 5ml H ₂ O
0600	fed 32 ml, 5ml H ₂ O, flushed catheter
0900	temp 39.3, fed 32 ml, 5ml H ₂ O
1053	observed piglet, BAR, able to stand, resting comfortably
1245 (b) (6), (b) (7)(C)	38.7 ml fed, 5ml H ₂ O, Temp 38.4
1330	cleaned/gave towel
1529	38.7 ml fed, 5ml H ₂ O, Temp 38.2
1705	38.7 ml fed, 5ml H ₂ O, Temp 39.0 PLAYED IN PEN ~30 MIN ALERT PLAYFUL
2030 (b) (6), (b) (7)(C)	SLEEPING
2120	38.7 ml fed, 5ml H ₂ O, Temp 38.9
2200	SLEEPING NO CATHETER
2330	CLEAN + CATHETER TOWEL
0030 (b) (6), (b) (7)(C)	Fed 38.7 ml, flushed w/ 5ml H ₂ O, no cath, Temp 39.2, active during feeding
0300 (b) (6), (b) (7)(C)	Active, fed 38.7 ml EY + 5ml H ₂ O in large pen
0530 (b) (6), (b) (7)(C)	Soft stool, changed out towel
0600	fed 38.7 ml, 5 ml H ₂ O, playtime, flushed catheter catheter flushed but does not draw back
0900 (b) (6), (b) (7)(C)	fed 38.7 ml w/ 5ml H ₂ O
1000	temp 38.8
1110	Observed piglet, BAR, resting comfortably, diarrhea staining on towel
1200 0000	fed 38.7 ml w/ 5ml H ₂ O
1500 0300	fed 38.7 ml w/ 5ml H ₂ O, temp 38.9 changed bedding, cleaned cage
1800 (b) (6), (b) (7)(C)	changed towel & cleaned, gave probiotic + electro-lytes 12.9 ml
1830 (b) (6), (b) (7)(C)	Fed 38.7 ml egg yolk, very active, 5ml H ₂ O flush still has diarrhea
2145 (b) (6), (b) (7)(C)	Fed 38.7 ml + 5ml H ₂ O in large pen, temp 38.9, diarrhea
0020	38.7 ml fed, 5ml H ₂ O, Temp 38.7
0323	38.7 ml fed, 5ml H ₂ O, Temp 39.4, very active
0515	cleaned/gave towel
0630	weighed, fed 38 ml + 5ml H ₂ O, had to gas to replace tube stool is still loose but firming
0730 (b) (6), (b) (7)(C)	Gave 2ml Kaopectate, feeding tube replaced w/ gas

Litter	
Pig	A
Sex	Female
DOB	3-22-19
Treatment	CONTROL
Protocol	

Sop of Treatment
Treatment egg yolk study

Date _____

Wt: 0.9166

TPN rate: 7.7 ml/hr

Total TPN: 289 mL

Time/Initials	Progress Notes : flip, temp., color, responsiveness, amount fed, flushed, etc.
0804 (b) (6), (b) (7)(C)	22.5 ml fed, 5 ml H ₂ O, Temp 39.5
0307	22.5 ml fed, 5 ml H ₂ O, Temp 40.4, has diarrhea, active
0515 (b) (6), (b) (7)(C)	cleaned / gave towel
0630 (b) (6), (b) (7)(C)	Weighted pig, fed 23 ml + 5 ml H ₂ O
0730	Gave 2 ml Kaopectate
0900	Fed 26.5 ml + 5 ml H ₂ O, Temp 39.8
1145 (b) (6), (b) (7)(C)	Fed 26.5 + 5 ml H ₂ O in large pen, changed towel, diarrhea tube was out, gave anesthesia & reinserted
0315	could not feed while pig was asleep
	changed towel
1815 (b) (6), (b) (7)(C)	fed 26.5 mL, 5 mL H ₂ O, temp 39.9, bathroom 1 mL saline (small amount of blood), changed towel
2115 (b) (6), (b) (7)(C)	Fed 26.5 mL, 5 mL H ₂ O
1/28/2019 0030	FED 26.5 mL, 5 mL H ₂ O TEMP 39.2 ALERT ACTIVE
0315	FED 26.5 mL 5 mL H ₂ O TEMP 39.0 ALERT ACTIVE
0330	2 mL KAO PECTATE 5 mL H ₂ O
0345	0.5 mL HEP SAL FLUSH
0545	CLEAN + CHANGE TOWEL
0630	30.6 ml fed, 5 ml H ₂ O, Temp 39.7
0854 (b) (6), (b) (7)(C)	30.6 ml fed, 5 ml H ₂ O, Temp 39.0
1043 (b) (6), (b) (7)(C)	10 min in play pin, not very active, good
1206 (b) (6), (b) (7)(C)	30.6 ml fed, 5 ml H ₂ O, Temp 40.1
1330 (b) (6), (b) (7)(C)	cleaned / changed towel
1415	flushed catheter w/ 0.5 ml hep-saline
1520	30.6 ml fed, 5 ml H ₂ O, Temp 39.9
1800 (b) (6), (b) (7)(C)	Fed 30.6 ml + 5 ml H ₂ O, played in large pen while I cleaned & changed towel
2100 (b) (6), (b) (7)(C)	Flushed cath 0.5 ml hep saline, fed 30.6 ml + 5 ml H ₂ O
	Immediately defecated, temp 39.2, changed out towel
3/28/2019 0030 (b) (6), (b) (7)(C)	towel gets caught on staples!! BE CAREFUL!! TEMP 39.1 FED 30.6 mL + 5 mL H ₂ O CHANGED TOWEL
	ACTIVE ALERT MEDIUM DENSE DARK SOLID LIQUID STOOL
0300 (b) (6), (b) (7)(C)	TEMP 38.9 FED 30.6 mL + 5 mL H ₂ O 0.5 mL HEP SAL FLUSH.
	ACTIVE & ALERT
0630 (b) (6), (b) (7)(C)	TEMP 39.1 FED 30.6 mL + 5 mL H ₂ O ACTIVE & ALERT CLEAN & CHANGE TOWEL

Litter	2
Pig	8
Sex	Male
DOB	07/12/19
Treatment	egg yolk
Protocol	

Sop of Treatment
Treatment egg yolk study

Date 4-12-19

Wt: 0.640

TPN rate: 5.1 ml/hr

Total TPN: _____

Time/Initials	Progress Notes	: flip, temp., color, responsiveness, amount fed, flushed, etc.
4-12	(b) (6), (b) (7)(C)	Piglet weighed + numbered, catheterized via umbilical artery, feed tube placed, started on PN see rate above
1300		Administered .2 cc Cefazolin via UAC, bleeding, more suture.
1500		Administered 1ml sow plasma via UAC
1800	(b) (6), (b) (7)(C)	Temp 38.9, flipped, good color
2200		Temp 38.5, flipped, meconium present
4-13	(b) (6), (b) (7)(C)	Flipped, good color, cleaned pig + pen
300		Temp 38.8
615		Vet wrap changed
745		Admin. 0.5cc of cefazolin, PN disconnected
750		Bleeding from catheter (UAC) site, circulation poor, bad perfusion
0759	(b) (6), (b) (7)(C)	4ml plasma given via Umbilical Artery catheter, catheter inserted too far had to back out
0815		Sack to incubator - needs to
8:20	(b) (6), (b) (7)(C)	P=92 R=10, mm pale pink. Pooled hind limbs weak pulse/HR weak RR. Gave Dopram 0.1ml (20mg/ml) + atropine 0.03ml (0.54mg/ml). No response to therapy. HR + RR declining. Decreased before able to get catheterized
0850	(b) (6), (b) (7)(C)	TOD suspect lactate toxemia due to hindlimb ischemia by excessive insertion of catheter
900	(b) (6), (b) (7)(C)	

Litter	
Pig	5
Sex	MALE
DOB	4-12-19
Treatment	Egg Yolk
Protocol	

pg. (1)

Sop of Treatment
Treatment _____

Date _____

Wt: 1053

TPN rate: 8.4 ml

Total TPN: _____

4-14

Time/Initials	Progress Notes	: flip, temp., color, responsiveness, amount fed, flushed, etc.
0845 (b) (6), (b) (7)(C)	5cc LR Admin. via UAC. Pulse Ox 92/219	
9:14 AM (b) (6), (b) (7)(C)	P = 240, R = 20. Crackles/wheezes ausculted, SpO2 reading ~96. Quiet but responsive if stimulated. Monitor respiration rate + animal for decline.	
9:28 AM (b) (6), (b) (7)(C)	Mild coughing + froth from mouth post feeding. Cleared foam + kept animal's head raised. Monitor for worsening in respiration.	
0930 (b) (6), (b) (7)(C)	Fed 20ml + 5ml H2O, gagged after feeding, the food down.	
1055 (b) (6), (b) (7)(C)	Resting, SpO2 97	
1200 (b) (6), (b) (7)(C)	Breathing better! Fed weighed, fed 6ml + 1ml H2O	
1300 (b) (6), (b) (7)(C)	Temp 38.7, Runny stool	
1430 (b) (6), (b) (7)(C)	Fed 6ml + 1ml H2O, slowly, breathing regularly	
1530 (b) (6), (b) (7)(C)	Fed 6ml + 1ml H2O, changed towel, stool watery, normal breathing, T 39.4	
1700 (b) (6), (b) (7)(C)	Fed 6ml + 1ml H2O slowly	
1945 (b) (6), (b) (7)(C)	Pig doing much better, Rested in leisure bin while I cleaned, watery stool	
2100 (b) (6), (b) (7)(C)	light brown semi-solid stool present	
2330 (b) (6), (b) (7)(C)	Fed 19.6ml + 5ml H2O, resting, 39.0 temp. cleaned pin/changed towel. Flushed catheter w/ 0.5ml heparin-saline	
0030 (b) (6), (b) (7)(C)	19.6ml Fed + 5ml H2O sleeping 39.7°C	
0300 (b) (6), (b) (7)(C)	19.6ml Fed + 5ml H2O. Sleeping 39.9°C 0.5ml HEP SAL.	
0600 (b) (6), (b) (7)(C)	CLEAN PEN SOFT PASTY MUSTARD STOOL	
0600 (b) (6), (b) (7)(C)	Extremely lethargic, stool present, RR 8, 2 breaths/15 secs. Fed 5ml + 1ml H2O, Admin. 10ml LR via UAC, flipped, T 39.4	
0700 (b) (6), (b) (7)(C)	None when it takes a breath, color is pale	
0755 (b) (6), (b) (7)(C)	Admin 1ml Bicarbonate via UAC, + 3ml more = 4ml total via UAC	
0805 (b) (6), (b) (7)(C)	Blood sample taken, fed ~3ml formula + 2ml H2O	
0825 (b) (6), (b) (7)(C)	Hct = 13 down from 18 @ birth	
0830 (b) (6), (b) (7)(C)	Hb 45 down from 65 @ birth	
0835 (b) (6), (b) (7)(C)	Iron Dextran injection administered	
0835 (b) (6), (b) (7)(C)	3ml of sow blood via UAC, transfusion of semi-packed cells from sow	

4-15

pg. (2)

Litter	2
Pig	15
Sex	MALE
DOB	4-12-79
Treatment	Egg Yolk
Protocol	

Date _____

Wt: _____

TPN rate: _____

Total TPN: _____

[illegible]

Litter	
Pig	8
Sex	Male
DOB	3/22/2019
Treatment	egg yolk
Protocol	

2

Sop of Treatment
Treatment egg yolk study

Date _____

Wt: 1.403

TPN rate: 11.2 ml/hr

Total TPN: _____

Time/Initials	Progress Notes	: flip, temp., color, responsiveness, amount fed, flushed, etc.
3/24/19 1834 (b) (6), (b) (7)(C)	26.6 ml Fed, 5ml H ₂ O, Temp 38.9, 5 mins in play	
2122 (b) (6), (b) (7)(C)	pin 26.6 ml Fed, 5ml H ₂ O, Temp 40.2, cleaned/gave towel, 5 mins in play pin	
2310 (b) (6), (b) (7)(C)	flushed catheter w/ 0.5 ml hep-saline	
0000	fed 26.6 ml, 5ml H ₂ O, temp 38.8, 5 min in play pen	
0300	fed 26.6 ml, 5ml H ₂ O, temp 38.1	
0600	fed 26.6 ml, 5ml H ₂ O, flushed catheter	
0900	temp 38.2, fed 36.6 ml, 5ml H ₂ O	
1053	observed piglet BAK, able to stand	
1236	25.4 ml Fed, 5ml H ₂ O, Temp 37.9	
1330	Cleaned/gave towel	
1520	25.4 ml Fed, 5ml H ₂ O, Temp 38.4	
1700	flushed catheter w/ 0.5 ml hep-saline	
1925	25.4 ml Fed, 5ml H ₂ O Temp 38.9.	
2000 (b) (6), (b) (7)(C)	PLAYED IN PEN ~30 MIN ALERT PLAYFUL	
2130 (b) (6), (b) (7)(C)	CLEANING PASTY YELLOW STAL LIQUID STOOL	
2200	25.4 ml Fed 5ml H ₂ O Temp 39.1	
2330	SLEEPING 0.5 ml HEP-SALINE	
3/26/19 0000	CLEAN & CHANGE TOWEL	
	Gave 5ml LR, cath flush w/ 1ml hep saline, fed 25.4 ml	
	EG, temp 39.4, alert and moving around while	
	feeding, gave 5ml H ₂ O	
0300 (b) (6), (b) (7)(C)	Not looking good, too weak to stand in large pen	
	Heard crackling, tried suctioning did get some	
	fluid out. Temp 38.7, color is slightly dark, fed	
	25 ml + 5 ml H ₂ O - not active, lethargic, gave 10ml LR	
0420 (b) (6), (b) (7)(C)	Looking pretty bad, flipped, pretty stiff and tense,	
	temp 38.6, still wheezing when breathing, eyes look	
	punny	
0530 (b) (6), (b) (7)(C)	T.O.D ☹️	
	fed 26.6 ml, 5ml H₂O, Temp 38.9, 5 mins in play	



CFR : 2.33(b)(5)

Photographer: S. BRUNKHORST

Date and Time: 24-FEB-20 3:42pm

Inspection No: 2016082569738228

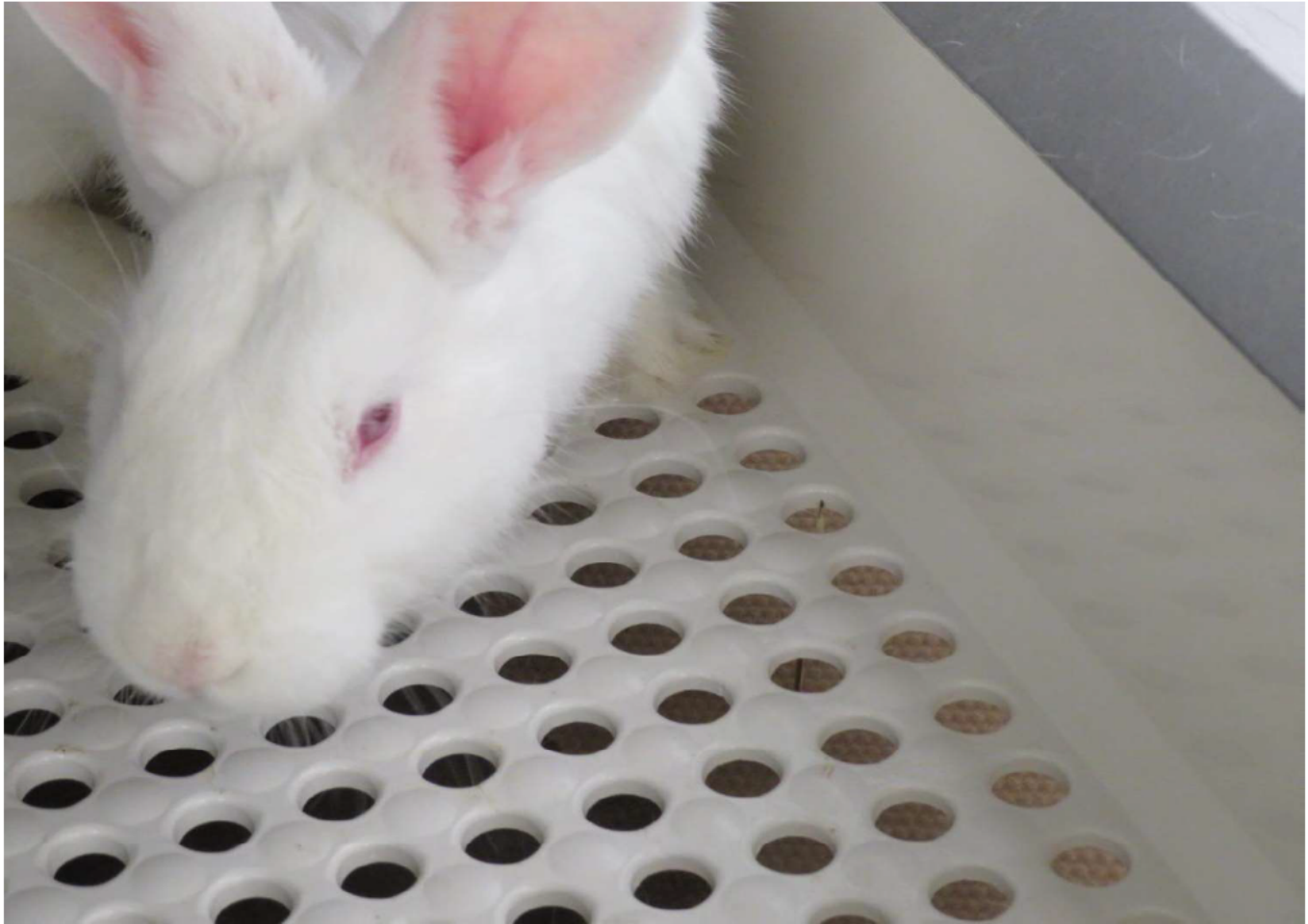
Description:

Rabbit 113329 Six days post test drug inj-much improvement shown-slight redness remaining

Certificate: 63-R-0129

Legal Name:

**VANDERBILT UNIVERSITY
MEDICAL CENTER**



CFR : 2.33(b)(5)

Photographer: S. BRUNKHORST

Date and Time: 24-FEB-20 3:42

Inspection No: 2016082569738228

Description:

Rabbit 113331 Six days post test drug inj-much improvement shown-slight squinting remaining

Certificate: 63-R-0129

Legal Name:

**VANDERBILT UNIVERSITY
MEDICAL CENTER**



CFR : 2.33(b)(5)

Photographer: S. BRUNKHORST

Date and Time: 24-FEB-20 3:41

Inspection No: 2016082569738228

Description:

Rabbit 113331 Six days post test drug inj-much improvement shown-slight squinting remaining

Certificate: 63-R-0129

Legal Name:

**VANDERBILT UNIVERSITY
MEDICAL CENTER**



CFR : 2.33(b)(5)

Photographer: S. BRUNKHORST

Date and Time: 24-FEB-20 3:41

Inspection No: 2016082569738228

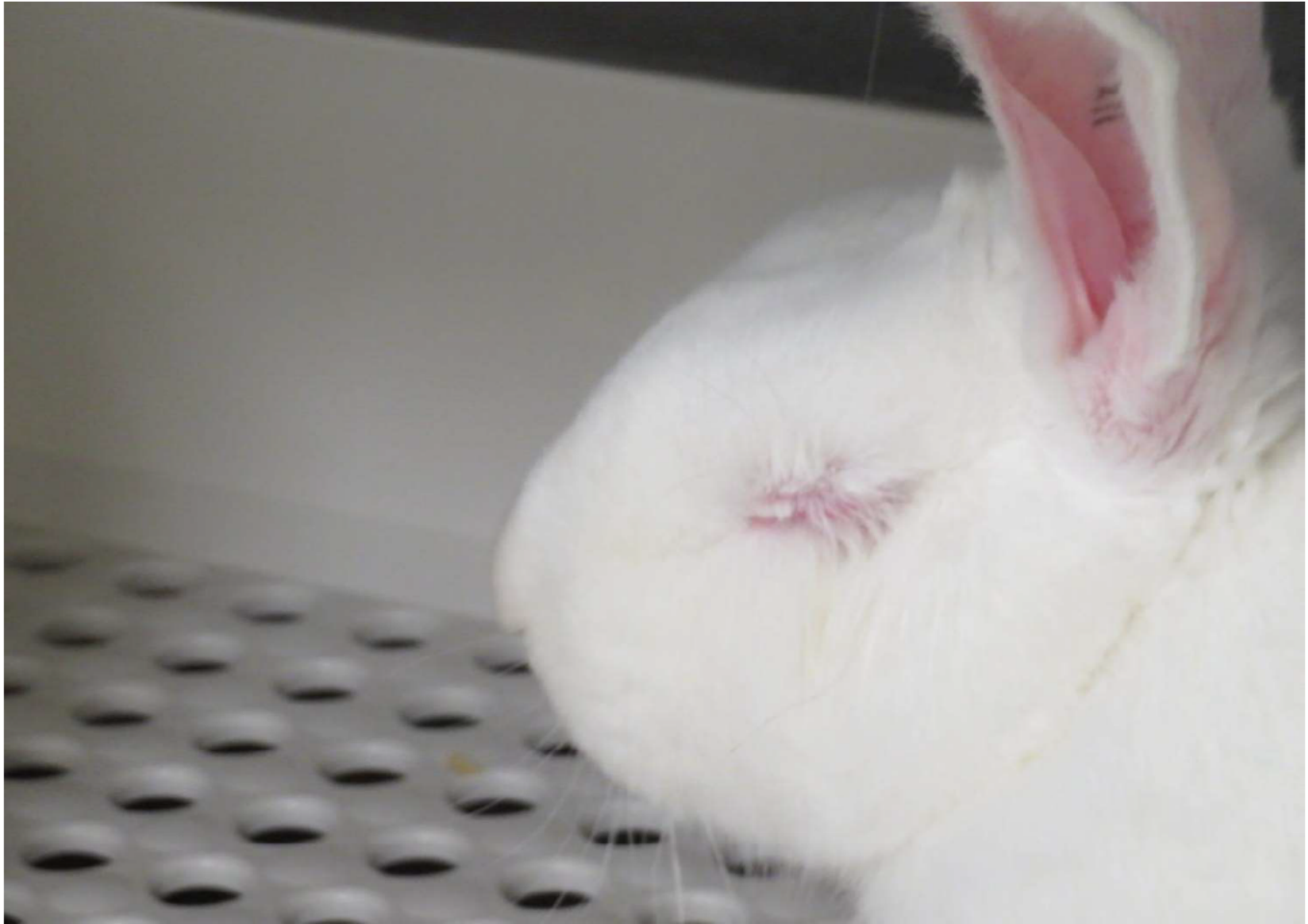
Description:

Rabbit 113330 Six days post test drug inj-still holding eye closed

Certificate: 63-R-0129

Legal Name:

**VANDERBILT UNIVERSITY
MEDICAL CENTER**



CFR : 2.33(b)(5)

Photographer: S. BRUNKHORST

Date and Time: 24-FEB-20 3:41pm

Inspection No: 2016082569738228

Description:

Rabbit 113330 Six days post test drug inj-still holding eye closed-close up

Certificate: 63-R-0129

Legal Name:

**VANDERBILT UNIVERSITY
MEDICAL CENTER**



CFR : 2.33(b)(5)

Photographer: S. BRUNKHORST

Date and Time: 19-FEB-20 9:03am

Inspection No: 2016082569738228

Description:

Rabbit 113329 Close up view of eye-swelling, redness, tearing, held closed

Certificate: 63-R-0129

Legal Name:

**VANDERBILT UNIVERSITY
MEDICAL CENTER**



CFR : 2.33(b)(5)

Photographer: S. BRUNKHORST

Date and Time: 19-FEB-20 9:01am

Inspection No: 2016082569738228

Description:

Rabbit 113329; food not eaten past 24 hrs is dumped on brown paper lining; eye closed

Certificate: 63-R-0129

Legal Name:

**VANDERBILT UNIVERSITY
MEDICAL CENTER**



CFR : 2.33(b)(5)

Photographer: S. BRUNKHORST

Date and Time: 19-FEB-20 9:01am

Inspection No: 2016082569738228

Description:

Rabbit 113330-close up of rabbit with eye closed, redness

Certificate: 63-R-0129

Legal Name:

**VANDERBILT UNIVERSITY
MEDICAL CENTER**



CFR : 2.33(b)(5)

Photographer: S. BRUNKHORST

Date and Time: 19-FEB-20 9:01am

Inspection No: 2016082569738228

Description:

Rabbit 113330-food not eaten over last 24 hours placed on brown paper liner

Certificate: 63-R-0129

Legal Name:

**VANDERBILT UNIVERSITY
MEDICAL CENTER**



CFR : 2.33(b)(5)

Photographer: S. BRUNKHORST

Date and Time: 19-FEB-20 9:02

Inspection No: 2016082569738228

Description:

Rabbit 113331 eye close up-swelling, held closed, redness

Certificate: 63-R-0129

Legal Name:

**VANDERBILT UNIVERSITY
MEDICAL CENTER**



CFR : 2.33(b)(5)

Photographer: S. BRUNKHORST

Date and Time: 19-FEB-20 9:01

Inspection No: 2016082569738228

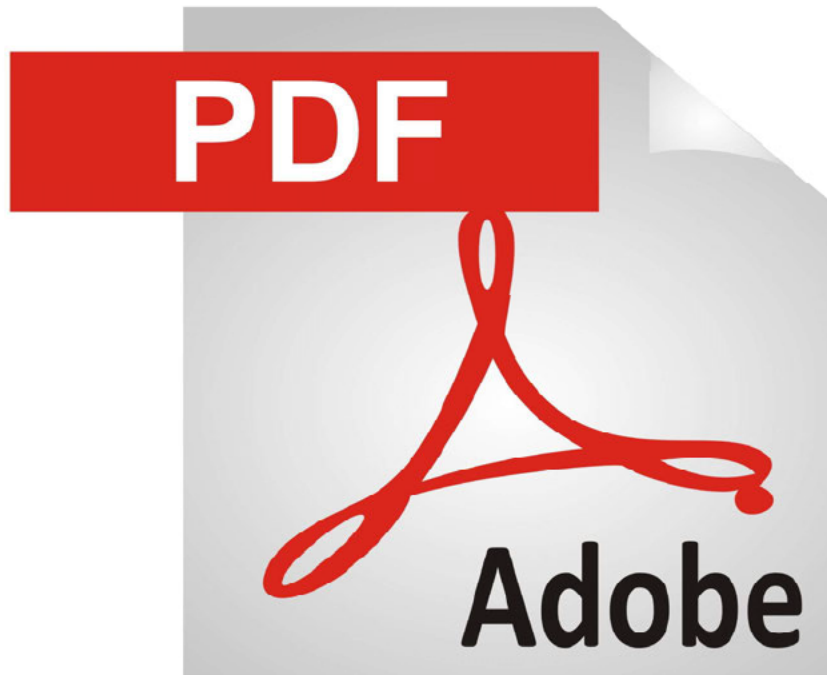
Description:

Rabbit 113331 Food not eaten in last 24 hours placed on brown liner; hiding in back corner

Certificate: 63-R-0129

Legal Name:

**VANDERBILT UNIVERSITY
MEDICAL CENTER**



CFR : 2.33(b)(5)

Photographer: S. BRUNKHORST

Date and Time: 27-FEB-20

Inspection No: 2016082569738228

Description:

Rabbit 113327 Injection of Disease Causing Agent -no pre/post op pain management
weight loss/decreased appetite/low stool output

Certificate: 63-R-0129

Legal Name:

**VANDERBILT UNIVERSITY
despite noted eye redness and
MEDICAL CENTER**

Anesthesia Record

Protocol #:	M1800146-00	Date of Procedure:	1/21/20
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Planned Procedure:	Intra vitreal inj of 10 ⁶ WERI cells in 0.15 mL into OD/OS; 0.1 mL aqueous samples from OD and OS	Date and time fasting began:	N/A
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Medications given before or during the procedure	Drug Name	Dosage (mg/kg)	Conc (mg/ml)	Route	Volume (mL)	Time Administered:	Initials:
1 Analgesic:	Ketafen	4	40	SQ	0.3	am pm	
2 Analgesic:						am pm	
3 Other drug (specify):	Proparicaine		0.50%	TOP	3.058	8:04 am 8:04 pm	
4 Other drug (specify):	Tropicamide		1%	TOP	8.80	8:09 am 8:09 pm	
4 Other drug (specify):	Cyclopentolate		1%	TOP		8:09 am 8:09 pm	
5 Induction anesthesia:	Isoflurane			chamber	2.5%	8:10 am 8:07 am	
6 Maintenance anesthesia:	Isoflurane	1.5 %		mask	2.5%	8:38 am pm	
7 Other drug (specify):	Phenylephrine		2.50%	TOP		8:04 am 8:04 pm	

[Dosage (mg/kg) x Body weight (kg)] / Concentration (mg/ml) = Volume administered

Baseline after chamber: 8:02-97 HR=259 RR=44 CRT=42sec Temp=101.

Type of fluids given (circle):	Normal saline	15 ml/kg/hour	Other (specify):	Route:
(circle):	IV	SC	Total amount fluids given:	ml

Medications given immediately after the procedure	Drug Name	Dosage (mg/kg)	Conc (mg/ml)	Route	Volume (mL)	Time Administered:	Initials:
1 Analgesic:						am pm	
2 Antibiotic:						am pm	
3 Other drug (specify):						am pm	

Post-Procedural Record
Vanderbilt University

ANIMAL ID. 113327

DATE: 1/22/2020

General Condition/ Appearance:		☒ Normal	☐ Abnormal	(Record as available:)	Body Temp	CRT	HR	RR	Mobility		
Analgesic: (name & dose)		mg/kg	Amount:		mg or mL	Route:	IM	IP	IV	SC	PO
Antibiotic: (name & dose)		mg/kg	Amount:		mg or mL	Route:	IM	IP	IV	SC	PO
Evidence of Pain / Distress? (if present, describe below and give analgesics)					☒ Absent	☐ Present	Condition of Surgical Site:		☒ Normal	☐ Abnormal	
Output: BM?		☐ Absent	☒ Normal	☐ Abnormal	Urine?	☐ Absent	☒ Normal	☐ Abnormal	Intake: Food?	☒ Normal	☐ Abnormal
									Water?	☒ Normal	☐ Abnormal

TIME	OBSERVATIONS/ MEDICATIONS	Initial
7:20 a.m.	BAR, slight redness as expected in eyes	
8:48 a.m.	BAR; some redness in sclera; no signs of pain or distress	

Post-Procedural Record
Vanderbilt University

ANIMAL ID. 113327

DATE: 1/23/2020

General Condition/ Appearance:		☐ Normal	☐ Abnormal	(Record as available:)	Body Temp	CRT	HR	RR	Mobility		
Analgesic: (name & dose)		mg/kg	Amount:		mg or mL	Route:	IM	IP	IV	SC	PO
Antibiotic: (name & dose)		mg/kg	Amount:		mg or mL	Route:	IM	IP	IV	SC	PO
Evidence of Pain / Distress? (if present, describe below and give analgesics)					☐ Absent	☐ Present	Condition of Surgical Site:		☐ Normal	☐ Abnormal	
Output: BM?		☐ Absent	☐ Normal	☐ Abnormal	Urine?	☐ Absent	☐ Normal	☐ Abnormal	Intake: Food?	☐ Normal	☐ Abnormal
									Water?	☐ Normal	☐ Abnormal

TIME	OBSERVATIONS/ MEDICATIONS	Initial
8:15 a.m.	S/O: BAR; eyes wide open with some redness present; readily ate a yogurt drop; no signs of pain or distress; A - normal post-procedure recovery	
	P: continue monitoring per protocol	
9:11 a.m.	BAR	
11:00 a.m.	Lab reported ~6% weight loss; BAR, NAB, hydrated, reduced appetite for pellets but some outputs in pan, no signs of pain or distress	
	A: reduced appetite P: provided loose hay; vet to re-check tomorrow	

Post-Procedural Record
Vanderbilt University

ANIMAL ID. 113327

DATE: 1/24/2020

General Condition/ Appearance:		☒ Normal	☐ Abnormal	(Record as available:)	Body Temp	CRT	HR	RR	Mobility		
Analgesic: (name & dose)		mg/kg	Amount:		mg or mL	Route:	IM	IP	IV	SC	PO
Antibiotic: (name & dose)		mg/kg	Amount:		mg or mL	Route:	IM	IP	IV	SC	PO
Evidence of Pain / Distress? (if present, describe below and give analgesics)					☒ Absent	☐ Present	Condition of Surgical Site:		☒ Normal	☐ Abnormal	
Output: BM?		☐ Absent	☒ Normal	☐ Abnormal	Urine?	☐ Absent	☒ Normal	☐ Abnormal	Intake: Food?	☒ Normal	☐ Abnormal
									Water?	☒ Normal	☐ Abnormal

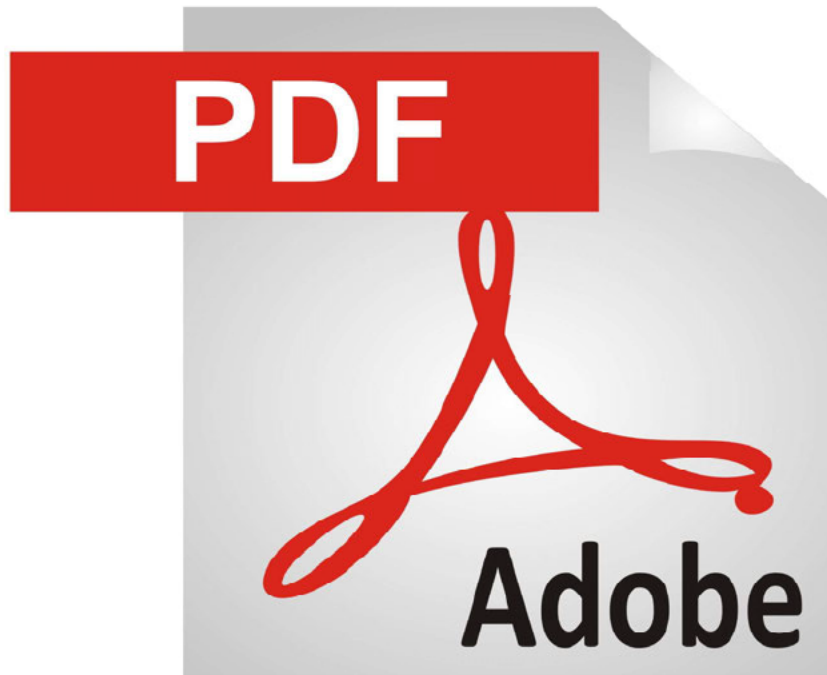
TIME	OBSERVATIONS/ MEDICATIONS	Initial
7:08 a.m.	S/O: BAR; eyes wide open; observed eating pellets from J-feeder; very few fecal balls present; normal urine output; moderate amt of hay in cage; readily accepted & ate a spinach leaf; no signs of pain or distress	
	A - normal post-procedure recovery with decreased appetite	
	P: continue monitoring throughout today & resume normal daily monitoring	

1/24/2020

9:00 am S/O: BAR, NAB, appetite as noted earlier this morning
Fecal output still low but normal formed balls ✓
A: experimental rabbit - improved appetite but still reduced
P: ~~at lab~~ ^{to other} fresh loose hay today
Lab to ~~monitor~~ supplement w/ loose hay &/or critical
care over the weekend if reduced appetite persists

1/24/2020

11:20 AM BAR, Urine + Feces present - Low output
Gave Loose hay and observed eating



CFR : 2.33(b)(5)

Photographer: S. BRUNKHORST

Date and Time: 24-FEB-20

Inspection No: 2016082569738228

Certificate: 63-R-0129

Legal Name:

Description:

Rabbit 113331 Post test drug inj observation sheet-Lab staff stated eyes had some irritation and redness but were as expected at 8am-USDA inspector arrived one hour later and identified issues-animal treated by vet 3 hours later

**VANDERBILT UNIVERSITY
MEDICAL CENTER**

Post-Procedural Record
Vanderbilt University

ANIMAL ID. 113331

DATE: 2/19/20

General Condition/ Appearance:		Normal	Abnormal	(Record as available:)	Body Temp	CRT	HR	RR	Mobility		
Analgesic: (name & dose)		mg/kg	Amount:	mg or mL	Route:	IM	IP	IV	SC	PO	
Antibiotic: (name & dose)		mg/kg	Amount:	mg or mL	Route:	IM	IP	IV	SC	PO	
Evidence of Pain / Distress? (if present, describe below and give analgesics)		Absent		Present	Condition of Surgical Site:		Normal		Abnormal		
Output: BM?		Absent	Normal	Abnormal	Urine?	Absent	Normal	Abnormal	Intake: Food?	Normal	Abnormal
Water?		Normal		Abnormal		Water?		Normal		Abnormal	
OBSERVATIONS/ MEDICATIONS										Initial	
TIME											
8:01am	S/O: BAR; eating with OS closed; some eye irritation; no other concerns										
2:10pm	BAR, redness around eyes but to be expected										
12:00pm	Consulted w/ lab cageside, see reverse										

Post-Procedural Record
Vanderbilt University

ANIMAL ID. 113331

DATE: 2/20/20

General Condition/ Appearance:		Normal	Abnormal	(Record as available:)	Body Temp	CRT	HR	RR	Mobility		
Analgesic: (name & dose)		mg/kg	Amount:	mg or mL	Route:	IM	IP	IV	SC	PO	
Antibiotic: (name & dose)		mg/kg	Amount:	mg or mL	Route:	IM	IP	IV	SC	PO	
Evidence of Pain / Distress? (if present, describe below and give analgesics)		Absent		Present	Condition of Surgical Site:		Normal		Abnormal		
Output: BM?		Absent	Normal	Abnormal	Urine?	Absent	Normal	Abnormal	Intake: Food?	Normal	Abnormal
Water?		Normal		Abnormal		Water?		Normal		Abnormal	
OBSERVATIONS/ MEDICATIONS										Initial	
TIME											
6:15am	BAR; very active; minimal swelling/redness/closed; P/S										
8:00am	BAR; minimal improvement relative to yesterday NAB, not behaviorally painful, readily eating fruity gems A: OS swelling/tear staining										
	P/Met w/ cageside, re-applied OS TOP lubricant drops, gave 0.06 mL of 100 mg/mL ketoprofen IM for swelling, lab to re-check this afternoon										
2:32pm (late entry)	Lab reported OS now held partially open but periorcular swelling persists; advised lab to re-check tomorrow morning										
5:10pm	BAR, NAB, grooming normally during observation; OS as above										

Post-Procedural Record
Vanderbilt University

ANIMAL ID. 113331

DATE: 2/21/20

General Condition/ Appearance:		Normal	Abnormal	(Record as available:)	Body Temp	CRT	HR	RR	Mobility		
Analgesic: (name & dose)		mg/kg	Amount:	mg or mL	Route:	IM	IP	IV	SC	PO	
Antibiotic: (name & dose)		mg/kg	Amount:	mg or mL	Route:	IM	IP	IV	SC	PO	
Evidence of Pain / Distress? (if present, describe below and give analgesics)		Absent		Present	Condition of Surgical Site:		Normal		Abnormal		
Output: BM?		Absent	Normal	Abnormal	Urine?	Absent	Normal	Abnormal	Intake: Food?	Normal	Abnormal
Water?		Normal		Abnormal		Water?		Normal		Abnormal	
OBSERVATIONS/ MEDICATIONS										Initial	
TIME											
7:21a	BAR (L) eye still somewhat closed but improvement from yesterday 2/20/20, will reassess with the Vet Today for treatment plan										
8:12am	BAR; eyes are more open today; OS is still red; will consult w/ DVM for plan										
9:30am	BAR, NAB, both eyes held open, minimal redness OS; no additional treatment currently indicated, continue monitoring & care per protocol										

2/19/20, 12 pm: BAR, readily interacted w/ observer & accepted treat
Lab reports flushing as usual after betadine during yesterday's
procedure; eye may be held closed in part due to pupil dilation
treatment; OS held closed

A) periocular swelling/irritation expected but possible discomfort

P) Lab applied lubricant drops TOP, OS
vet to re-check this afternoon

2/19/20: 5pm

S/O: BAR, eating and moving about cage normally. No appreciable
change in swelling OS.

A: periocular swelling OS. Behaviorally does not appear to be
painful.

P: Reassess in the a.m. and administer additional treatment
if swelling OS not resolving.

Post-Procedural Record
Vanderbilt University

ANIMAL ID. 113331

INVESTIGATOR:

IACUC Protocol #: M1800146-00

DATE: 2/22/20

General Condition/ Appearance:		<u>Normal</u>	Abnormal	(Record as available:)	Body Temp	CRT	HR	RR	Mobility
Analgesic: (name & dose)		<u>/</u>			Amount:	ml	Route:	IM IP IV SC PO	Time
Antibiotic: (name & dose)					Amount:	mg	Route:	IM IP IV SC PO	Time
Evidence of Pain / Distress? (if present, describe below and give analgesics)									
Output: BM?		Absent	<u>Normal</u>	Abnormal	Urine?	Absent	<u>Normal</u>	Abnormal	Intake: Food?
						<u>Absent</u>	Present	Condition of Surgical Site:	<u>Normal</u>
						<u>Normal</u>	Abnormal	Water?	<u>Normal</u>

[illegible]



CFR : 2.33(b)(5)

Photographer: S. BRUNKHORST

Date and Time: 24-FEB-20

Inspection No: 2016082569738228

Certificate: 63-R-0129

Legal Name:

Description:

Rabbit 113330 Post test drug inj observation sheet-Lab staff stated eyes had some irritation and redness but were as expected at 8am-USDA inspector arrived one hour later and noted issues-animal treated by vet 3 hours later

**VANDERBILT UNIVERSITY
MEDICAL CENTER**

Post-Procedural Record
Vanderbilt University

ANIMAL ID. 113330

DATE: 2/19/20

General Condition/ Appearance: ☒ Normal ☐ Abnormal (Record as available:)		Body Temp	CRT	HR	RR	Mobility ☒ Normal ☐ Abnormal
Analgesic: (name & dose) _____ mg/kg Amount: _____ mg or mL Route: IM IP IV SC PO						
Antibiotic: (name & dose) _____ mg/kg Amount: _____ mg or mL Route: IM IP IV SC PO						
Evidence of Pain / Distress? (if present, describe below and give analgesics) ☒ Absent ☐ Present		Condition of Surgical Site: ☒ Normal ☐ Abnormal				
Output: BM? ☒ Absent ☒ Normal ☐ Abnormal	Urine? ☒ Absent ☒ Normal ☐ Abnormal	Intake: Food? ☒ Normal ☐ Abnormal	Water? ☒ Normal ☐ Abnormal			

TIME	OBSERVATIONS/ MEDICATIONS	Initial
8:00am	S/O: BAR: resting on top of perch; some eye irritation; no other concerns	
8:00am	BAR: No concerns, some redness around eyes but to be expected	
12:00pm	consulted w/lab cage side. See reverse	

Post-Procedural Record
Vanderbilt University

ANIMAL ID. 113330

DATE: 2/20/20

General Condition/ Appearance: ☒ Normal ☐ Abnormal (Record as available:)		Body Temp	CRT	HR	RR	Mobility ☒ Good ☐ Abnormal
Analgesic: (name & dose) _____ mg/kg Amount: _____ mg or mL Route: IM IP IV SC PO						
Antibiotic: (name & dose) _____ mg/kg Amount: _____ mg or mL Route: IM IP IV SC PO						
Evidence of Pain / Distress? (if present, describe below and give analgesics) ☒ Absent ☐ Present		Condition of Surgical Site: ☒ Normal ☐ Abnormal				
Output: BM? ☒ Absent ☒ Normal ☐ Abnormal	Urine? ☒ Absent ☒ Normal ☐ Abnormal	Intake: Food? ☒ Normal ☐ Abnormal	Water? ☒ Normal ☐ Abnormal			

TIME	OBSERVATIONS/ MEDICATIONS	Initial
6:12am	BAR; minimal redness; swelling observed + eye closed; rinsed w/BSS	
8:00am	BAR; minimal improvement relative to yesterday. A-OS swelling bar starting to subside. P/Met w/lab cage side, re-applied OS TOP lubricant drops, gave 0.06ml of 100mg/ml ketoprofen IM, lab to re-check this afternoon	
2:30pm (late entry)	Lab reported no appreciable difference; Re-check tomorrow	
5:00pm	As above. NAB, BAR, eating, not behaviorally painful	

Post-Procedural Record
Vanderbilt University

ANIMAL ID. 113330

DATE: 2/21/20

General Condition/ Appearance: ☒ Normal ☐ Abnormal (Record as available:)		Body Temp	CRT	HR	RR	Mobility ☒ Good ☐ Abnormal
Analgesic: (name & dose) _____ mg/kg Amount: _____ mg or mL Route: IM IP IV SC PO						
Antibiotic: (name & dose) _____ mg/kg Amount: _____ mg or mL Route: IM IP IV SC PO						
Evidence of Pain / Distress? (if present, describe below and give analgesics) ☒ Absent ☐ Present		Condition of Surgical Site: ☒ Normal ☐ Abnormal				
Output: BM? ☒ Absent ☒ Normal ☐ Abnormal	Urine? ☒ Absent ☒ Normal ☐ Abnormal	Intake: Food? ☒ Normal ☐ Abnormal	Water? ☒ Normal ☐ Abnormal			

TIME	OBSERVATIONS/ MEDICATIONS	Initial
7:18am	BAR, eye is still closed, does not have much change from yesterday, will reassess later today with the rest for treatment plan	
8:09am	BAR; OS is still red with some periorbital swelling; will consult w/ DVM for plan	
8:00am	BAR, NAB, both eyes held open, minimal redness/swelling OS. No additional treatment currently indicated; continue monitoring	

to BHK
2/19/20, 12 pm: QAR, OS held closed w/ increased tearing
Lab reports flushing as usual after betadine during yesterday's
procedure; eye may be held closed in part due to pupil
dilation treatment; readily interacted & eating treats

A) periorcular swelling/irritation expected but possible discomfort

P) Lab applied lubricant drops TOP, OS

Vet to re-check this afternoon

2/19/20, 5 pm: BAR, eating & moving about cage normally.

~~modest~~ No appreciable change in swelling OS

A: periorcular swelling OS. Behaviorally does not

appear to be painful

P: reassess tomorrow morning & administer additional
treatment if swelling OS not resolving

2/21/20, 8:30 am: BAR, NAB, readily accepted apple, grooming normally

OS is improved - less red, less periorcular swelling, less
tear staining, but still held closed due to periorcular swelling
cornea continues to be grossly normal & non-painful
animal readily allowed brief eye exam

A: periorcular swelling OS - improving; no behavioral signs of pain

P: consulted w/ lab member cageside

1) applied lubricant drops/flush OS TOP

2) applied cold compress for 10-15 min

3) No additional treatment for swelling currently indicated

4) Lab to apply cold compress again this afternoon if
swelling persists (1-2 times)

5) Lab to assess daily over weekend & apply cold compress
& TOP lubricant flush daily if swelling persists

2-21-20 12:20pm BAR, applied cold compress for 10 min @ 12:15pm Swelling has went
down a good bit, will open the eye now so looking a lot
better

2-22/20 BAR applied cold compress while holding rabbit in lap @ 7:20am
swelling continues to go down. Opening OS slightly. Sent a picture
to vet also raised/flushed w/ top lubricant

Post-Procedural Record
Vanderbilt University

ANIMAL ID. 113330

DATE: 2/22/20

General Condition/ Appearance:		Normal	Abnormal	(Record as available:)	Body Temp	CRT	HR	RR	Mobility		
Analgesic: (name & dose)		mg/kg		Amount:	mg or mL	Route:	IM	IP	IV	SC	PO
Antibiotic: (name & dose)		mg/kg		Amount:	mg or mL	Route:	IM	IP	IV	SC	PO
Evidence of Pain / Distress? (if present, describe below and give analgesics)					Absent	Present	Condition of Surgical Site:				
							Normal				
Output: BM?	Absent	Normal	Abnormal	Urine?	Absent	Normal	Abnormal	Intake: Food?	Normal	Abnormal	Water?

TIME	OBSERVATIONS/ MEDICATIONS	Initial
7:20 am	BAR applied cold compress + flushed w/ TOP lubricant of OS; opened eye slightly more as swelling appears to have decreased; set a picture to vet	
8:50 am	Slo BAR; swelling still present; eye slightly opened, but mostly remaining close; no apparent signs of pain or distress.	

A: Periorbital swelling (OS); behavior normal.

P: Continue monitoring and post-procedure care per veterinary instruction

Post-Procedural Record
Vanderbilt University

ANIMAL ID. 113330

DATE: 2/23/20

General Condition/ Appearance:		Normal	Abnormal	(Record as available:)	Body Temp	CRT	HR	RR	Mobility		
Analgesic: (name & dose)		mg/kg		Amount:	mg or mL	Route:	IM	IP	IV	SC	PO
Antibiotic: (name & dose)		mg/kg		Amount:	mg or mL	Route:	IM	IP	IV	SC	PO
Evidence of Pain / Distress? (if present, describe below and give analgesics)					Absent	Present	Condition of Surgical Site:				
							Normal				
Output: BM?	Absent	Normal	Abnormal	Urine?	Absent	Normal	Abnormal	Intake: Food?	Normal	Abnormal	Water?

TIME	OBSERVATIONS/ MEDICATIONS	Initial
9:00 am	Slo BAR; no change in swelling from yesterday; subject keeping eye mostly closed, but can open it; no apparent signs of pain or distress.	
	A: Periorbital swelling OS; behavior normal	
	P: continue post-procedure care per veterinary direction	
3:15 pm	BAR applied cold compress for 15 min and flushed thoroughly w/ topical lubricant; opening eye slightly; active and appears normal; sent picture to update the vet	

Post-Procedural Record
Vanderbilt University

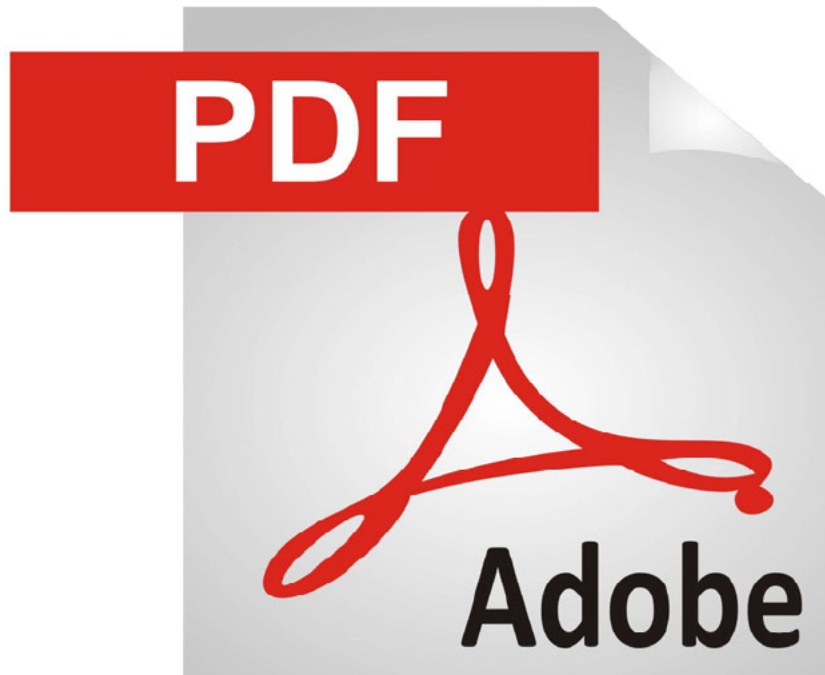
ANIMAL ID. 113330

DATE: 2/24/20

General Condition/ Appearance:		Normal	Abnormal	(Record as available:)	Body Temp	CRT	HR	RR	Mobility		
Analgesic: (name & dose)		mg/kg		Amount:	mg or mL	Route:	IM	IP	IV	SC	PO
Antibiotic: (name & dose)		mg/kg		Amount:	mg or mL	Route:	IM	IP	IV	SC	PO
Evidence of Pain / Distress? (if present, describe below and give analgesics)					Absent	Present	Condition of Surgical Site:				
							Normal				
Output: BM?	Absent	Normal	Abnormal	Urine?	Absent	Normal	Abnormal	Intake: Food?	Normal	Abnormal	Water?

TIME	OBSERVATIONS/ MEDICATIONS	Initial
8:00 am	BAR, NAB, normal exploratory, no behavioral indicators of pain OS eyelids still red but swelling is improved, OS still held partially closed or closed but will open to assess new observer	
	A: periorbital swelling, redness; slow improvement	
	P: Lab to continue daily topical lubricant drops & cold compress for 10-15 minutes 1-2x daily	
	2) ophthalmologist to assess tomorrow	

20-02880_000035



CFR : 2.33(b)(5)

Photographer: S. BRUNKHORST

Date and Time: 27-FEB-20

Inspection No: 2016082569738228

Description:

Rabbit 113325 Injection of Disease Causing Agent -no pre/post op pain management
not eating/weight loss/decreased stool production

Certificate: 63-R-0129

Legal Name:

**VANDERBILT UNIVERSITY
despite noted eye redness and
MEDICAL CENTER**

Anesthesia Record

Protocol #:

M1800146-00

Date of

Procedure:

1/21/20

Intra vitreal inj of 10^6 WERI cells in 0.15 mL into OD/OS; 0.1 mL aqueous samples from OD and OS

Date and time
fasting began:

N/A

Medications given before or during the procedure	Drug Name	Dosage (mg/kg)	Conc (mg/ml)	Route	Volume (mL)	Time Administered:	Initials:
1 Analgesic:	Ketafen	4	40	SQ	0.3	am pm	
2 Analgesic:						am pm	
3 Other drug (specify):	Proparicaine		0.50%	TOP	8:03	8:03 am pm	
4 Other drug (specify):	Tropicide		1%	TOP	8:03	8:03 am pm	
4 Other drug (specify):	Cyclopentalate		1%	TOP		am pm	
5 Induction anesthesia:	Isoflurane			chamber	2.5%	8:04 am	
6 Maintenance anesthesia:	Isoflurane	1-5 %		mask	2.5%	8:22 am pm	
7 Other drug (specify):	Phenylephrine		2.50%	TOP	8:03	8:03 am pm	

$[\text{Dosage (mg/kg)} \times \text{Body weight (kg)}] / \text{Concentration (mg/ml)} = \text{Volume administered}$

Baseline after chamber: SpO2: 94 HR= 328 RR= 24 CRT= 2 sec Temp: 101.5

Type of fluids given (circle): Normal saline 15 ml/kg/hour Other (specify): Route (circle): IV SC Total amount fluids given: mL

Medications given immediately after the procedure	Drug Name	Dosage (mg/kg)	Conc (mg/ml)	Route	Volume (mL)	Time Administered:	Initials:
1 Analgesic:						am pm	
2 Antibiotic:						am pm	
3 Other drug (specify):						am pm	

Post-Procedural Record
Vanderbilt University

ANIMAL ID. 113325

DATE: 1/22/2020

General Condition/ Appearance: <u>Normal</u> Abnormal (Record as available:)		Body Temp	CRT	HR	RR	Mobility <u>Normal</u>
Analgesic: (name & dose) _____ mg/kg Amount: _____ mg or mL Route: IM IP IV SC PO						
Antibiotic: (name & dose) _____ mg/kg Amount: _____ mg or mL Route: IM IP IV SC PO						
Evidence of Pain / Distress? (if present, describe below and give analgesics) <u>Absent</u> Present		Condition of Surgical Site: <u>Normal</u> Abnormal				
Output: BM? Absent <u>Normal</u> Abnormal	Urine? Absent <u>Normal</u> Abnormal	Intake: Food? <u>Normal</u> Abnormal	Water? <u>Normal</u> Abnormal			

TIME	OBSERVATIONS/ MEDICATIONS	Initial
7:14 a.m.	BAR, no eye issues	
8:45 a.m.	S/O: BAR; moving around cage well; no signs of pain or distress	

Post-Procedural Record
Vanderbilt University

ANIMAL ID. 113325

DATE: 1/23/2020

General Condition/ Appearance: <u>Normal</u> Abnormal (Record as available:)		Body Temp	CRT	HR	RR	Mobility <u>good</u>
Analgesic: (name & dose) _____ mg/kg Amount: _____ mg or mL Route: IM IP IV SC PO						
Antibiotic: (name & dose) _____ mg/kg Amount: _____ mg or mL Route: IM IP IV SC PO						
Evidence of Pain / Distress? (if present, describe below and give analgesics) <u>Absent</u> Present		Condition of Surgical Site: <u>Normal</u> Abnormal				
Output: BM? Absent <u>Normal</u> Abnormal	Urine? Absent <u>Normal</u> Abnormal	Intake: Food? <u>Normal</u> Abnormal	Water? <u>Normal</u> Abnormal			

TIME	OBSERVATIONS/ MEDICATIONS	Initial
8:13 a.m.	S/O: BAR; eyes wide open; some redness present in eyes; readily ate a yogurt drop No signs of pain or distress: A - normal post-procedure recovery P - continue monitoring per protocol	
9:00 a.m.	BAR See below	

Post-Procedural Record
Vanderbilt University

ANIMAL ID. 113325

DATE: 1/23/2020 CD, DVM
1/24/2020

General Condition/ Appearance: <u>Normal</u> Abnormal (Record as available:)		Body Temp	CRT	HR	RR	Mobility <u>good</u>
Analgesic: (name & dose) _____ mg/kg Amount: _____ mg or mL Route: IM IP IV SC PO						
Antibiotic: (name & dose) _____ mg/kg Amount: _____ mg or mL Route: IM IP IV SC PO						
Evidence of Pain / Distress? (if present, describe below and give analgesics) <u>Absent</u> Present		Condition of Surgical Site: <u>Normal</u> Abnormal				
Output: BM? Absent <u>Normal</u> Abnormal	Urine? Absent <u>Low</u> Abnormal	Intake: Food? <u>Normal</u> Abnormal	Water? <u>Normal</u> Abnormal			

TIME	OBSERVATIONS/ MEDICATIONS	Initial
9:01 a.m.	BAR; moving around the cage; noted weight drop to the vet + gave hay	
11:00 a.m.	Lab reported ~7% weight decrease; BAR, NAB, reduced appetite for pellets but some outputs in pan, hydrated, no signs of pain or distress A: reduced appetite, experimental animal P: Gave loose hay - readily accepted; lab to continue monitoring per protocol	

DAY (3)

1/24/2020

7:03 am S/O: BRR; eyes wide open; would not take spinach leaf from me; resting on perch; hay scattered in cage; fecal balls & urine present; no signs of pain or distress

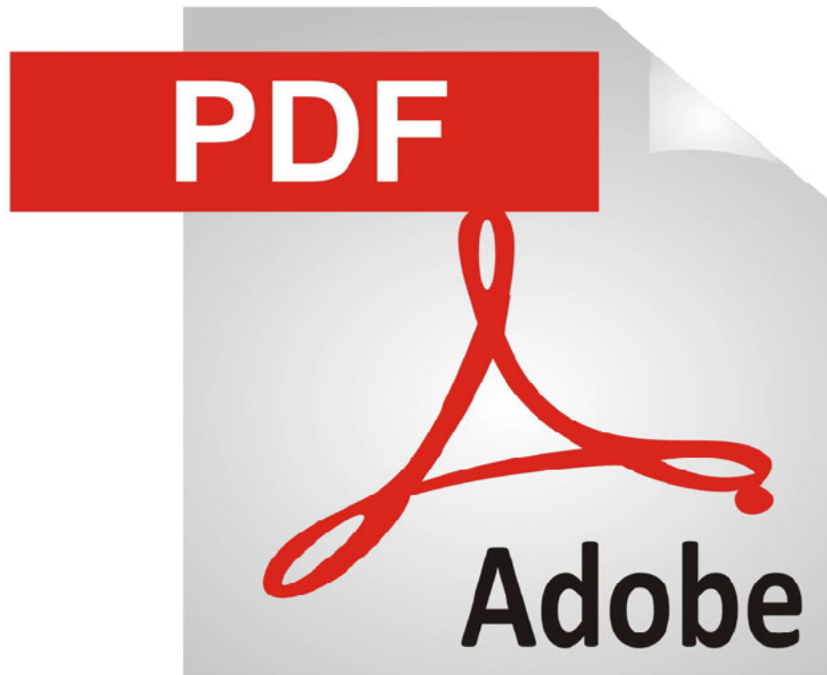
A: normal post-procedure recovery

P: resume normal daily monitoring

8:45 am S/O: BRR, NAB, as noted above; observed eating pellets

A: experimental animal - appetite improved

P: Lab to continue care & monitoring per protocol



CFR : 2.33(b)(5)

Photographer: S. BRUNKHORST

Date and Time: 27-FEB-20

Inspection No: 2016082569738228

Description:

Rabbit 113329 Injection of Disease Causing Agent -no pre/post op pain management
weight loss/decreased appetite/decreased stool output

Certificate: 63-R-0129

Legal Name:

**VANDERBILT UNIVERSITY
despite noted eye redness and
MEDICAL CENTER**

Anesthesia Record

Protocol #: M1800146-00

Date of Procedure: 1/21/20

Planned Procedure: Intra vitreal inj of 10^6 WERI cells in 0.15 mL into OD/OS; 0.1 mL aqueous samples from OD and OS

Date and time fasting began: N/A

Medications given before or during the procedure	Drug Name	Dosage (mg/kg)	Conc (mg/ml)	Route	Volume (mL)	Time Administered:	Initials:
1 Analgesic:	Ketafen	4	40	SQ	0.3	am pm	
2 Analgesic:						am pm	
3 Other drug (specify):	Proparicaine		0.50%	TOP		8:31 am pm	
4 Other drug (specify):	Tropicamide		1%	TOP		8:31 am pm	
4 Other drug (specify):	Cyclopentolate		1%	TOP		8:32 am pm	
5 Induction anesthesia:	Isoflurane			chamber	2.5%	8:33 am	
6 Maintenance anesthesia:	Isoflurane	1-5 %		mask	2.5%	8:50 am pm	
7 Other drug (specify):	Phenylephrine		2.50%	TOP		8:32 am pm	

[Dosage (mg/kg) x Body weight (kg) = Concentration (mg/ml) = Volume administered]

Baseline after chamber: $SpO_2 = 94$ HR=272 RR=48 CRT=42sec Temp=101.4

Type of fluids given (circle): Normal saline 15 ml/kg/hour Other (specify): Route: (circle): IV SC Total amount fluids given: mL

Medications given immediately after the procedure	Drug Name	Dosage (mg/kg)	Conc (mg/ml)	Route	Volume (mL)	Time Administered:	Initials:
1 Analgesic:						am pm	
2 Antibiotic:						am pm	
3 Other drug (specify):						am pm	

Post-Procedural Record
Vanderbilt University

ANIMAL ID. 113329

DATE: 1/22/2020

General Condition/ Appearance:	<u>Normal</u>	Abnormal	(Record as available:)	Body Temp	CRT	HR	RR	Mobility	<u>Normal</u>				
Analgescic: (name & dose)		mg/kg	Amount:		mg or mL	Route:	IM	IP	IV	SC	PO		
Antibiotic: (name & dose)		mg/kg	Amount:		mg or mL	Route:	IM	IP	IV	SC	PO		
Evidence of Pain / Distress? (if present, describe below and give analgesics)	<u>Absent</u>	Present	Condition of Surgical Site:	<u>Normal</u>	Abnormal								
Output: BM?	Absent	<u>Normal</u>	Abnormal	Urine?	Absent	<u>Normal</u>	Abnormal	Intake: Food?	<u>Normal</u>	Abnormal	Water?	<u>Normal</u>	Abnormal

TIME	OBSERVATIONS/ MEDICATIONS	Initial
7:23 a.m.	BAR, slight redness as expected in eyes	
8:50 a.m.	BAR; very curious; some redness around eyes; no signs of pain or distress	

Post-Procedural Record
Vanderbilt University

ANIMAL ID. 113329

DATE: 1/23/2020

General Condition/ Appearance:	<u>Normal</u>	Abnormal	(Record as available:)	Body Temp	CRT	HR	RR	Mobility	<u>Good</u>				
Analgescic: (name & dose)		mg/kg	Amount:		mg or mL	Route:	IM	IP	IV	SC	PO		
Antibiotic: (name & dose)		mg/kg	Amount:		mg or mL	Route:	IM	IP	IV	SC	PO		
Evidence of Pain / Distress? (if present, describe below and give analgesics)	<u>Absent</u>	Present	Condition of Surgical Site:	Normal	Abnormal								
Output: BM?	Absent	Normal	Abnormal	Urine?	Absent	Normal	Abnormal	Intake: Food?	Normal	Abnormal	Water?	Normal	Abnormal

TIME	OBSERVATIONS/ MEDICATIONS	Initial
8:20 a.m.	S/O: BAR; eyes wide open with some redness present; readily ate yogurt drop; playing with hay cube; no signs of pain or distress A: normal post-procedure recovery P: continue monitoring per protocol	
9:20 a.m.	BAR; felt warm + took temperature but was normal; continue to monitor	
11:00 a.m.	Lab reported ~50% weight loss; BAR, NAB, hydrated, reduced appetite for pellets but some outputs in pan. A: Reduced appetite P: Gave loose hay; vet to re-check tomorrow	

Post-Procedural Record
Vanderbilt University

ANIMAL ID. 113329

DATE: 1/24/2020

General Condition/ Appearance:	<u>Normal</u>	Abnormal	(Record as available:)	Body Temp	CRT	HR	RR	Mobility	<u>Normal</u>				
Analgescic: (name & dose)		mg/kg	Amount:		mg or mL	Route:	IM	IP	IV	SC	PO		
Antibiotic: (name & dose)		mg/kg	Amount:		mg or mL	Route:	IM	IP	IV	SC	PO		
Evidence of Pain / Distress? (if present, describe below and give analgesics)	<u>Absent</u>	Present	Condition of Surgical Site:	<u>Normal</u>	Abnormal								
Output: BM?	Absent	<u>Normal</u>	Abnormal	Urine?	Absent	<u>Normal</u>	Abnormal	Intake: Food?	<u>Normal</u>	Abnormal	Water?	<u>Normal</u>	Abnormal

TIME	OBSERVATIONS/ MEDICATIONS	Initial
7:10 a.m.	S/O: BAR; very small fecal balls & very little urine output; almost all hay was eaten; readily accepted & ate a spinach leaf; no signs of pain or distress A: normal post-procedure recovery P: continue monitoring for more urine output	
8:45 a.m.	S/O: BAR, NAB as noted above but more outputs in pan than yesterday	
1-7-20	A: experimental animal P: lab to continue care & monitoring per protocol	

20-02880_000043



CFR : 2.33(b)(5)

Photographer: S. BRUNKHORST

Date and Time: 24-FEB-20 3:42pm

Inspection No: 2016082569738228

Certificate: 63-R-0129

Legal Name:

Description:

Rabbit 113329 Post test drug inj observation sheet-Lab staff stated eyes had some swelling and redness but were of no concern at 8am-USDA inspector arrived one hour later and noted issues-animal treated by vet 3 hours later

**VANDERBILT UNIVERSITY
MEDICAL CENTER**

Post-Procedural Record
Vanderbilt University

ANIMAL ID. 113329

DATE: 2/19/20

General Condition/ Appearance:		☒ Normal	☐ Abnormal	(Record as available:)	Body Temp	CRT	HR	RR	Mobility					
Analgesic: (name & dose)		mg/kg	Amount:		mg or mL	Route:	IM	IP	IV	SC	PO			
Antibiotic: (name & dose)		mg/kg	Amount:		mg or mL	Route:	IM	IP	IV	SC	PO			
Evidence of Pain / Distress? (if present, describe below and give analgesics)					☒ Absent	Present		Condition of Surgical Site:			☒ Normal	☐ Abnormal		
Output: BM?		☒ Absent	☒ Normal	☐ Abnormal	Urine?	☒ Absent	☒ Normal	☐ Abnormal	Intake: Food?	☒ Normal	☐ Abnormal	Water?	☒ Normal	☐ Abnormal

TIME	OBSERVATIONS/ MEDICATIONS	Initial
8:00am	S/O: BAR; eyes are open with some irritation; no other concerns	
8:02am	BAR, eyes are both open, W/ some swelling & redness due to trauma no other concerns	
12:00pm	Consulted w/ lab cageside. See reverse	

Post-Procedural Record
Vanderbilt University

ANIMAL ID. 113329

DATE: 2/20/20

General Condition/ Appearance:		☒ Normal	☐ Abnormal	(Record as available:)	Body Temp	CRT	HR	RR	Mobility					
Analgesic: (name & dose)		mg/kg	Amount:		mg or mL	Route:	IM	IP	IV	SC	PO			
Antibiotic: (name & dose)		mg/kg	Amount:		mg or mL	Route:	IM	IP	IV	SC	PO			
Evidence of Pain / Distress? (if present, describe below and give analgesics)					☒ Absent	Present		Condition of Surgical Site:			☒ Normal	☐ Abnormal		
Output: BM?		☒ Absent	☒ Normal	☐ Abnormal	Urine?	☒ Absent	☒ Normal	☐ Abnormal	Intake: Food?	☒ Normal	☐ Abnormal	Water?	☒ Normal	☐ Abnormal

TIME	OBSERVATIONS/ MEDICATIONS	Initial
6:10am	BAR; both eyes open	
7:58am	BAR resting comfortably, both eyes open w/ minimal swelling/tearing. No additional treatment currently indicated	
8:35am	S/O: BAR; NAB; eyes wide open; no other concerns	

Post-Procedural Record
Vanderbilt University

ANIMAL ID. 113329

DATE: 2/21/20

General Condition/ Appearance:		☒ Normal	☐ Abnormal	(Record as available:)	Body Temp	CRT	HR	RR	Mobility					
Analgesic: (name & dose)		mg/kg	Amount:		mg or mL	Route:	IM	IP	IV	SC	PO			
Antibiotic: (name & dose)		mg/kg	Amount:		mg or mL	Route:	IM	IP	IV	SC	PO			
Evidence of Pain / Distress? (if present, describe below and give analgesics)					☒ Absent	Present		Condition of Surgical Site:			☒ Normal	☐ Abnormal		
Output: BM?		☒ Absent	☒ Normal	☐ Abnormal	Urine?	☒ Absent	☒ Normal	☐ Abnormal	Intake: Food?	☒ Normal	☐ Abnormal	Water?	☒ Normal	☐ Abnormal

TIME	OBSERVATIONS/ MEDICATIONS	Initial
7:16am	BAR, eyes wide open, no concerns noted, much improvement from the last 2 days.	
8:09am	BAR; eyes wide open; no other concerns	

2/19/20, 12 pm: ^{+BAR} QAR, OD held closed w/ increased tearing
Lab reports flushing as usual ~~at~~ after betadine during
yesterday's procedure; eye may be held closed in part due
to pupil dilation treatment; readily interacted & accepted treats

A) Periocular swelling/irritation expected but possible discomfort

P) Lab applied lubricant drops TOP OD
Vet to re-check this afternoon

5 pm: BAR, NAB, resting comfortably, eating food
Modest improvement OD relative to noon assessment
Re assess tomorrow morning