## ISOFLURANE ANESTHESIA OF MICE IN-PERSON TRAINING

## UNIVERSITY OF SOUTH FLORIDA COMPARATIVE MEDICINE

Attendee Name:		
Print	Sign	Date
Discuss/Review:		
Review and know where to find Guidelin	es on Anesthesia and Analge	esia (CMDC #086), Routes of
Administration, Volume, and Needle Ga		
(CMDC #229)		
Review SOP 412, SOP 1102		
Review and know where to find and how	i to use Rodent Surgery/Proc	edure Record (CMDC #139), Record of
General Anesthesia (CMDC #206)		
Confirming that an anesthetized mouse		esia is accomplished by the absence
of an interdigital pinch withdrawal ref		
Monitoring an anesthetized mouse is ac		
movements, and a change from the n	ormal <b>pink</b> color of tissues of	the anesthetized mouse.
Demonstrate/Assess:		
All surfaces of the anesthesia machine a		
Confirm that oxygen flow gauge is "off",	the oxygen tank valve is "or	pen" and oxygen <b>gauge</b> is >100PSI
Confirm the vaporizer isoflurane fluid lev	/el	
Review how to fill the vaporizer to the "re		
Confirm that charcoal waste anesthetic	gas scavenger canister weigh	it has been recently recorded
Review the four induction chambers ("	quad") and <b>toggle switch</b> co	ntrols
Understand the use and consequence o		, "on", or "flush"
Know that each induction chamber is "ai		
Review the "Bains" breathing circuit tu	bing and rodent-specific nose	cone
Review vaporizer dial settings		
Induction typically achieved at 2-3% isc	oflurane vaporizer dial setting	
Maintenance typically achieved at 1-2%		
Review that <b>oxygen flow rates</b> should be	be kept low around 0.5 L/min	ute
Review that loss of a righting reflex du	ring induction is an indication	to move from chamber to breathing
circuit nosecone		
Artificial tears should be applied to eyes		
Maintenance anesthesia requires a sup		
Confirm appropriate depth of surgical a		
Monitor appropriate depth of maintenand	ce anesthesia by observing for	or <b>breathing movements</b> every
second, and for <b>pink</b> tissues of the ane:	sthetized mouse.	
Recovery is accomplished in a clean dry re	ecovery box lined with paper to	wels and provided with a supplemental
heat source.		
Mouse is closely monitored until <b>capable</b> c		
Upon completion, the vaporizer is diale		neard.
Then, the oxygen flow gauge is turned "		
Then, all toggle switches are placed in the	•	
Then, the oxygen tank valve is turned "o		
Then, one toggle switch at a single indu	•	
Then, all surfaces of the anesthesia made	chine are again cleaned with	Oxivir spray and wipes.
Training & assessment provided by:	Print	Sign Date

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