SUBSTANCE ADMINISTRATIONS TO & BLOOD COLLECTION FROM MICE IN-PERSON TRAINING

UNIVERSITY OF SOUTH FLORIDA COMPARATIVE MEDICINE

Attendee Name:		
Print	Sign	Date
Discuss/Review:		
Mouse restraint typically involves a scr	uff hold using the non-dominal	nt hand.
Handle syringe in the dominant hand.		
Do not recap the needle.		
Demonstrate/Assess:		
Intraperitoneal (IP)		
Place mouse in dorsum scruff.		
A 23-25g needle is used to penetrate th	e lower lateral abdominal cavity	1
Needle should point in the direction of the		<i>,</i> .
Needle should be approximately 45 deg		ndy surface
Needle tip need only be advanced slight	•	ody Sandoo.
Deliver the substance.	ay beyond the bevol.	
Subcutaneous (SC)		
Place mouse in dorsum scruff.		
Use a 23-25g needle to penetrate the t	ented skin.	
Deliver the substance.		
Gavage (PO)		
Place mouse in dorsum scruff.		
Oral, per os (PO) dosing, gavage, using	g a 20g x 1 " gavage needle with	an "olive" or " teardrop " shaped tip
Place the gavage needle with an arcing		
Stop advancing the needle when the ne		
Deliver the substance.		
Remove needle in an "arcing" motion e	ensuring no material is administe	ered while removing.
Blood Collection Tubes		
Serum is collected in either a yellow "g	iel " plua tube or red "clot " tube	<u>.</u>
Unclotted blood is collected in either a		
Submandibular or Submental Phleboton		9
Place mouse in dorsum scruff.		
Artificial tears is applied over the propo	osed puncture site.	
Review location of each vascular source		tal).
A 20-18g needle is introduced to the be	vel.	•
Collect blood into a hematocrit tube or b	lood collection tube.	
Ensure hemostasis.		
Saphenous Phlebotomy		
Restrain the mouse using a 50ml conic	al tube with air holes drilled in	it.
Artificial tears is applied over the latera		
Grasp rear leg between the thumb and to		
A 25g needle is used to puncture the ve		rming an injection (i.e., into lumen)
Collect blood into a hematocrit tube or b	lood collection tube.	
Ensure hemostasis.		
Training & assessment provided by:	Print	Sign Date

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