

4.3.8. Preparation of the surgical site:

- 4.3.8.1. Apply 70% alcohol with gauze or swabs in a circular motion, from the center of the surgical site to the exterior. Be careful not to wet a large area on the animal as the evaporation of alcohol will lead to heat loss.
- 4.3.8.2. Apply 2% chlorhexidine solution or povidone-iodine solution with gauze or swabs in a circular motion, from the center of the surgical site to the exterior.
- 4.3.8.3. Repeat steps 4.3.8.2 and 4.3.8.3 two more times.
- 4.3.8.4. Alternatively, use a 2% chlorhexidine in 70% alcohol solution. Apply 3 times with gauze or swabs in a circular motion, from the center of the surgical site to the exterior. Be careful not to wet a large area on the animal as the evaporation of the solution will lead to heat loss.

4.3.9. Surgeon's preparation:

- 4.3.9.1. Wash hands.
- 4.3.9.2. Wear a surgical mask, bonnet, and clean gown.
- 4.3.9.3. Use aseptic technique.
- 4.3.9.4. Wear sterile or alcohol-asepticized gloves.
- 4.3.9.5. The surgeon must avoid touching non-sterile surfaces.

4.3.10. Cover the animal with a sterile drape.

- 4.3.10.1. For minor surgical interventions, the drape can be placed only when suturing the wound to prevent sutures from coming into contact with hair and skin around the surgical area.
- 4.3.10.2. Surgical drapes must be sterile for the first animal, and may then be transferred to the following animal during serial surgeries. The top surface of the drape must never come in contact with non-aseptic areas, and must not be soiled.
- 4.3.10.3. Glad® Press'n Seal® wrap can be used as a surgical drape to cover the animal. As it is transparent, it allows for easier monitoring of the animal.

4.4. Surgical Principles/Aseptic technique:

- 4.4.1. Ensure that aseptic technique is followed throughout the procedure.

TISSUE	SUTURE MATERIAL	SIZE	NEEDLE
Peritoneum/abdominal	Vicryl PDS Polypropylene	3-0, 4-0, 5-0, 6-0	Taper
Subcutaneous tissues	Vicryl PDS	5-0, 6-0	Cutting Reverse-cutting
Skin*	PDS Vicryl Polyamide-nylon	3-0, 4-0, 5-0, 6-0	Cutting Reverse-cutting
	Wound clips (Autoclips)	7mm or 9mm	

DATE	NEW VERSION
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2015.09.20	4.3.12.3
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Investigator:	Protocol:
Procedure:	Performed by:

Instructions: complete this log for rodent procedures requiring anesthesia, analgesia or post-procedure care (ex. surgeries, experimental infection). Keep the log in the housing room while active and in your files for 3 years for future review by the Quality Assistant and/or the FACC.

ANALGESIA

ANESTHESIA

OTHER AGENTS ADMINISTERED

ANALGESIA

carprofen: mouse: 20mg/kg, rat: 5-10 mg/kg, SC, every 24 hrs

buprenorphine: mouse: 0.1mg/kg SC or IP every 4-8 hrs; rat: 0.05mg/kg, SC or IP, every 8-12 hrs

buprenorphine slow release 1 mg/kg

Initial the appropriate boxes when completed

	Animal ID	Date	Analgesia			SC fluids			Wet food			Time			Remove Sutures (Day 7-10)
			Day 1	Day 2	Day 3	Day 1	Day 2	Day 3	Day 1	Day 2	Day 3	Day 1	Day 2	Day 3	
1															
2															
3															
4															

5