

## Surgery Suite Preparation Proven Process

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*Our Promise: A thorough and kind experience for pets and owners alike*

### **Surgery Suite Setup**

#### **Surgery Table:**

- 2 towels
- Appropriate size Bair hugger on top of two towels, connect to Bair hugger machine  
NOTE: Make sure the side of the blanket with blue writing will be touching the patient. The blanket has a plastic liner in it on the other side which has more likelihood of getting too hot for the patient (even though unlikely for that to happen, important to know!)
- 4 baby socks per patient
- Esophageal stethoscope

#### **Anesthesia Cart:**

- Fluid pump
- Lactated Ringer's with primed fluid line, hang bag on anesthesia machine next to pump
- Fluid warmer egg
- Anesthesia tubes (new for each patient, rebreathing system >15#, non-rebreathing system <15#)
- Anesthesia bag (Approx Tidal volume = weight in kgs x 100)
- Sodalime (changed every 7 days)
- Isoflurane: make sure the isoflurane level is full (found in the cabinet in surgery to refill). If you ever need to open a new bottle of Isoflurane make sure to keep the purple spout piece from the previous bottle.
- Anesthesia Monitor
  - EKG leads (connected to esophageal adapter)
  - Esophageal EKG/Thermometer probe (blue = large patients, cats = small patients <15#)
  - Pulse oximeter lead
  - Capnograph lead attached to the anesthesia tubing (the part where the small, clear line connects should always be upright)
  - Make sure the machine is set to the correct species when turned on
  - Blood pressure cuff of appropriate size for patient
- Emergency drugs (Atropine, Furosemide, Epinephrine, Antisedan)
- Bupivacaine
- Surgical Glue
- Rectal thermometer
- Vetwrap
- Alcohol to wet monitor leads

#### **Induction Basket:**

- Eye lubricant
- Sterile ET tube lubricant
- Laryngoscope with appropriate sized blade
- 3 sizes of ET tubes that have been leak tested
- Tie for ET tube

- Cuff syringe

### **Surgery Tray:**

- Surgical supplies for procedure (appropriate pack, blade, drape)

### **Counter in surgery:**

- Filled surgical prep bottles of alcohol and dilute Chlorhex solution
- Glass jar of 4x4 gauze squares

## **Surgical Prep Table Setup**

### **Table:**

- Towel for patient to lie on
- Stethoscope with you!

### **Anesthesia Cart:**

- Anesthesia tubes (new for each patient, rebreathing system >15#, non-rebreathing system <15#) with mask attachment for pre-oxygenation
- Anesthesia bag (Approx Tidal volume = weight in kgs x 100)
- Sodalime (changed every 7 days)
- Isoflurane: make sure the isoflurane level is full (found in the cabinet in surgery to refill). If you ever need to open a new bottle of Isoflurane make sure to keep the purple spout piece from the previous bottle.

### **Supplies for Surgical Prep:**

- See surgical skin prep proven process
- Blue surgery clippers + gold clippers for sensitive skin areas
- Vacuum

## **Leak Testing the Anesthesia Machine**

### **Rebreathing System**

1. Make sure oxygen tank is turned on by turning the silver valve on top of the tank to the left and flipping the tan flat valve to the horizontal position on the oxygen lines \*both behind the oxygen tanks and in the surgery suite!\*
2. Turn on the scavenging system - it is a tan box on the wall in radiology with a black switch on the front. Turn on with the black switch, green light will turn on
3. Close pop off valve (the black twisting knob above the Sodalime canister)
4. Insert thumb (or wine cork) into end of anesthesia tubing circuit to occlude, or use palm of hand
5. Use the flush valve to fill the bag with O<sub>2</sub> until the pressure gauge reaches 20 psi
6. Watch for the system to hold at 20 psi for 10-15 seconds, it should not lose pressure
7. Open pop off valve fully and watch pressure gauge return to normal
8. Remove thumb from end of anesthesia tubing

\*\*Do not close or open the pop off valve overly tightly! This can damage the machine\*\*

## **Non-Rebreathing System**

1. Make sure oxygen tank is turned on by turning the silver valve on top of the tank to the left and flipping the tan flat valve to the horizontal position on the oxygen lines \*both behind the oxygen tanks and in the surgery suite!\*
2. Turn on the scavenging system - it is a tan box on the wall in radiology with a black switch on the front. Turn on with the black switch, green light will turn on
3. This system bypasses the pop off valve, so you do not need to close it
4. Ensure the system is hooked up to the machine properly
  - a. The silver, metal circular piece attaches at the side of the Isoflurane tank where the "fresh gas outlet" is. This means you will disconnect the piece with a same appearance that is attached there. It pulls out easily
  - b. The other tube connects to the scavenger system. Make sure the pink tube is hooked up to the scavenger attachment on the wall and then hook the tube into the other end of the pink tube.
5. Occlude the flow of O<sub>2</sub> to the scavenger system by pinching that tube on the non-rebreathing system (if you occlude the line that goes to the Isoflurane tank it will pop off of the machine)
6. Turn on the O<sub>2</sub> flow on on the anesthesia machine
7. Occlude the end of the non-rebreathing system which attaches to the patient's ET tube with your thumb, a wine cork, or the palm of your hand
8. Allow the reservoir bag to fill until it appears full and quickly turn off the oxygen
9. Watch the bag for 10-15 seconds for any obvious signs of leaking
10. Stop occluding the line and the end of the tubing

## **Cleaning of Surgery Suite**

- Put towels into laundry basket
- Soak surgical instruments in Ultrasonic cleaner in a pink bin
- Put surgery drapes/pack wraps/Bair hugger blanket in surgery laundry basket
- Clean surgery table and base with got pee or windex, make sure to pull out table tray and clean as well
- Clean laryngoscope after each use with 70% isopropyl alcohol on gauze
- Clean monitors with 70% Isopropyl alcohol and gauze, checking for blood and damage to each lead as you go
- Wrap cords LOOSELY, and store neatly attached to monitor
- Wipe counters, windowsill, anesthesia cart, nurse cart with rescue
- Restock drawers and carts with needles/syringes/etc
- Refill surgical prep and gauze if needed
- Clean blue surgery clippers
- Empty trash bag
- Swiffer with a new dry Swiffer head that does not touch floor outside of suite until after the suite is cleaned
- I-Mop