



GAS ANESTHESIA CHECKLIST

Prior to Procedure

Analgesia

- Check expiry date on drugs.
- Find the concentration and the dose to administer to the animal(s).
- Weigh the animal(s).
- Calculate the amount to administer.
- Analgesia can be given approximately 20 min. prior to the procedure.

Preparation of Anesthetic Machine

- Open the oxygen tank and verify the level of gas left on the tank pressure gauge.
- Verify the level of isoflurane left in the vaporizer by looking through the sight glass.

Induction

- Check for proper connections.
- Adjust the oxygen flowmeter between 0.8 to 1.5 L/min.
- Place the animal in the induction chamber.
- Adjust the isoflurane vaporizer between 3% to 5% and wait until the animal loses conscientiousness.

Maintenance

- Once the animal is unconscious, decrease the oxygen flow between 0.4 to 0.8mL/min.
- Change the connection to the bain system.
- Remove the animal from the induction chamber and use the mask connected to the bain circuit or the bain system with the end shaped as a nose cone for maintenance.
- Adjust the isoflurane vaporizer between 2 to 2.5%.
- Provide a source of heat to the animal.
(e.g.: microwavable heating disk, heat lamp with a red bulb (2-3 feet from animal)...))
- Apply eye lubrication: ophthalmic ointment.
- Asses the depth of anesthesia by testing the pedal reflex of the animal by pinching the toe pads and the paws with a pair or forceps.
- If the animal still has reflexes, adjust the isoflurane vaporizer in consequence.

Monitoring During Anesthesia (Approximately every 3-5 minutes)

- Reflexes: pedal withdrawal reflex (toe pads + paws).
- Respiration: should be regular, thoracic and abdominal.
- Mucous Membrane: color surrounding the nose and mouth should remain pink.

Recovery

- Administer from 0.2 to 0.5mL/10g body weight of isotonic fluids subcutaneously.
- Turn off the isoflurane vaporizer.
- Keep the animal on 100% oxygen.
- Transfer the animal to its cage once it begins to move.
- Provide a source of heat to the animals until full recovery. (sternal position)