SUMMIT MEDICAL
Equipment Company

Premiere inhalant anesthesia systems for research and private practice veterinarians

REBREATHING SYSTEMS

PROS:
- Conserve on Heat
- Conserve on Moisture
- Conserve on O2
- Conserve on Anesthetic Agent (Iso. Sevo)

CONS:
- Mechanical Dead Space
- Changing CO2 Absorbent Material
- Takes Longer to Change from Lower Concentration to Higher (Than NRB Systems)
- More Resistance in System (Than NRB System)

NON-REBREATHING SYSTEMS

PROS:
- No Mechanical Dead Space
- Change Concentration of Anesthetic Quickly
- No Resistance to Breathing
- Universal Control Arm Measures Airway Pressure
- Can be used with Mechanical Ventilator

CONS:
- Uses more O2 than RB Systems
- Uses more Anesthetic Agent than RB
- Does not Conserve on Heat – Cold O2 takes Body Heat Away
- Does not Conserve on Moisture

"The cost of O2 is roughly $0.01 per liter (in H-tanks). Or $0.05 per liter in E-tanks. Isoflurane cost is approximately $0.10 per cc. One will use 6cc liquid anesthetic at 1 LPM flow and 2% concentration in 1 hour. That is about $0.60 for Isoflurane and $0.60 for O2 or a total of $1.20 per hour. The higher the flow rate, the more Iso and O2 are used."

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