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Pre-Anesthesia Guidelines

Oxygen Flow Rates

Non-rebreathing circuit	Rebreathing circuit
200-400 ml/kg/min	20-400 ml/kg/min with 500ml minimum

Breathing Circuit Selection Guidelines

Patient weight	Breathing Circuit
<7 kg	Non-rebreathing
7.1kg-12kg	Pediatric Circuit
Above 12kg	Adult Circuit

Breathing Bag Selection

Based on Calculation of Weight X TV (10-15ml/kg) X 3-5

Patient Weight	Bag size
Up to 6kg	0.5L
6.1-13kg	1L
14-26kg	2L
27-39kg	3L
40-52kg	4L
>53kg	5L

Fluid Rate

Canine	Feline
5 ml/kg/hr	3ml/kg/hr



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Before beginning any procedure ensure all the following tasks have been preformed

1. Ensure all powered equipment is turned on and functioning
2. Ensure all monitoring equipment is functioning and prepared for use (BP cuffs available etc)
3. Check oxygen supply (Central, e-tanks, etc) is sufficient to preform procedure
4. Fill vaporizer and change soda lime if there has been over 8 hours of use since last procedure
5. Select breathing circuit and breathing bag (see guidelines above)
 - a. Select several sizes of ET Tubes and leave inflated for 5 minutes to ensure no leaks are present
 - b. Select laryngoscope and proper blade and ensure light is working
6. Leak test anesthesia machine
(See separate document available in our resources section)
7. Check that scavenging system is set up and operating properly (weigh f-air cannisters)
8. IV Fluids are prepared and ready to be administered
9. Warming units are turned on and functioning
10. Anesthesia emergency drugs are calculated and readily available

*Sources AAHA 2020 Guidelines