Narkomed 6000 Anesthesia Machine Check List

At the Beginning of the Day, or whenever the Machine is Moved or Serviced:

☐ Verify machine is connected to a live, grounded outlet
☐ Check for backup ventilation equipment availability and functionality (i.e. appropriately sized ambu bag)
☐ Check function of auxiliary oxygen

Gas cylinder and pipeline supplies:
☐ Check for pipeline supplies of 50-55 psi
☐ Disconnect pipeline supplies
☐ After confirming fresh gas purged from system, open gas cylinders, confirm O₂ and air > 1000 psi, N₂O > 600 psi, close cylinders
☐ Confirm no prominent decrease in gas pressure
☐ Reconnect gases to pipelines.

Machine
☐ Turn on anesthesia machine
☐ Follow ventilator alphanumeric display to perform system and ventilator self-test
☐ Confirm leakage rate of less than 175 ml/min during the ventilator self test

Breathing System and Patient Circuit
☐ Check for secure connections of all hoses, fresh gas, pressure sensor, oxygen sensor, and flow sensor
☐ Confirm sample line is securely connected to Y-piece and water trap
☐ Confirm sample line is free of kinks, moisture, and water trap is not filled to maximum
☐ Verify CO₂ absorber is filled with fresh absorbent

Oxygen Sensor Calibration
☐ Remove oxygen sensor from inspiratory valve dome
☐ Press O₂ Cal button on monitor
☐ When 21% oxygen is reported, replace sensor onto inspiratory valve dome

Vaporizers
☐ Verify sufficient anesthetic in vaporizers
☐ Fill and drain valves are closed
☐ Confirm vaporizer interlock system only allows one vaporizer to be used at one time

APL and Patient Circuit Function
☐ Place second reservoir bag on end of breathing circuit, set ventilator to Manual/Spontaneous, set APL to 30 cmH₂O on Manual.
☐ Increase fresh gas flows or O₂ flush to pressurize system to 30 cmH₂O.
☐ Confirm system does not increase beyond 30 cm H₂O
☐ Attempt to manually ventilate second bag
☐ Confirm proper function of inspiratory and expiratory one-way valves
☐ Change APL to Spontaneous, confirm decrease pressure in circuit and inability to generate pressure in circuit.
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**Fresh Gas Function**
- □ Turn on gas to confirm smooth movements of oxygen and nitrous flow meters.
- □ Turn off oxygen flows to confirm nitrous flows also decreases (approximately 4:1 nitrous:oxygen)
- □ Confirm all flowmeters off
- □ Press oxygen flush to verify proper function.
- □ Confirm oxygen sensor increases to 90-100% Oxygen with oxygen flush.

**Breathing System Leak Test**
- □ Completely occlude Y-piece
- □ Turn down all fresh gas flows (minimum oxygen flow <200 ml/min should be present)
- □ Set APL to Manual and 50 cmH20
- □ Pressurize circuit using oxygen flush to 30 cm H20
- □ Confirm pressure does not decrease below 30 cm H20
- □ One at a time, turn on each mounted vaporizer, repressurize system to 30 cmH2O if necessary, and confirm pressure does not decrease below 30 cm H2O
- □ Close all vaporizers

**Scavenging System**
- □ Verify scavenging system is connected and functional, and adjust flow so that indicator float is mid-way between the sight-glass lines.

**Suction**
- □ Verify suction is available and functional

**Documentation**
- □ Document Checklist Completion
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Between Cases:

☐ Verify Backup Ventilation Available
☐ Verify Suction Functional
☐ Verify Vaporizer filled and caps tight
☐ Verify CO₂ absorber filled and not exhausted
☐ Verify Flowmeters off
☐ Verify Circuit maintains 30 cm H₂O pressure and can ventilate test lung
☐ Document Checklist Completion

Mnemonic:

“ The 4 As, B, C, D”

AMBU
Absorbent
Anesthetic Vaporizers
Aspirate (suction)
Bobbins (flowmeters)
Circuit
Document