Steps-to-Apply: In-Line Mapleson Circuit

Learn More By Watching This Informative Video

1. Prepare the Equipment:

Gather all required components and discuss each: In-line Mapleson, manometer, tail bleed, pop-off, and properly sized mask.

In-Line Mapleson



2. Attach Mask



Attach the mask to the patient port.

3. Connect to Flow Meter



Connect the In-line Mapleson to the oxygen flow meter.

4. Set Oxygen Flow



Set the oxygen flow rate to 8-10 LPM.

5. Check Device



Occlude port or mask to make sure the in-line Mapleson is functioning properly with no blockages or leaks.

6. Adjust PEEP



Adjust and set PEEP by viewing manometer and rotating valve according to hospital protocol.

7. Position Mask



Place the mask securely over the patient's nose and mouth avoiding the eyes. Ensure a proper seal to prevent air leaks. Avoid touching soft tissue under chin.

8. Manual Ventilation



Squeeze the bag gently to deliver PIP to the patient, observing chest rise and view manometer to confirm effective ventilation.

9. Monitor the Patient



Continuously monitor the patient's SaO_2, $EtCO_2$ and chest rise.

10. Adjust as Needed



Adjust the oxygen flow, PEEP, or PIP as needed based on the patient's response.

If Ventilation is Difficult:

MR SOPA

M - Mask: Adjust the mask fit.
R - Reposition: Adjust the head position.
S - Suction: Clear the mouth and nose.
O - Open Mouth: Open the mouth slightly and lift the jaw.
P - Pressure: Increase pressure gradually.
A - Airway: Consider using an alternate airway device if needed.

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