Seeing the Forest

For the trees


DID YOU SAY
WE ARE
MEETING GOAL?

What are our Basic Goals?

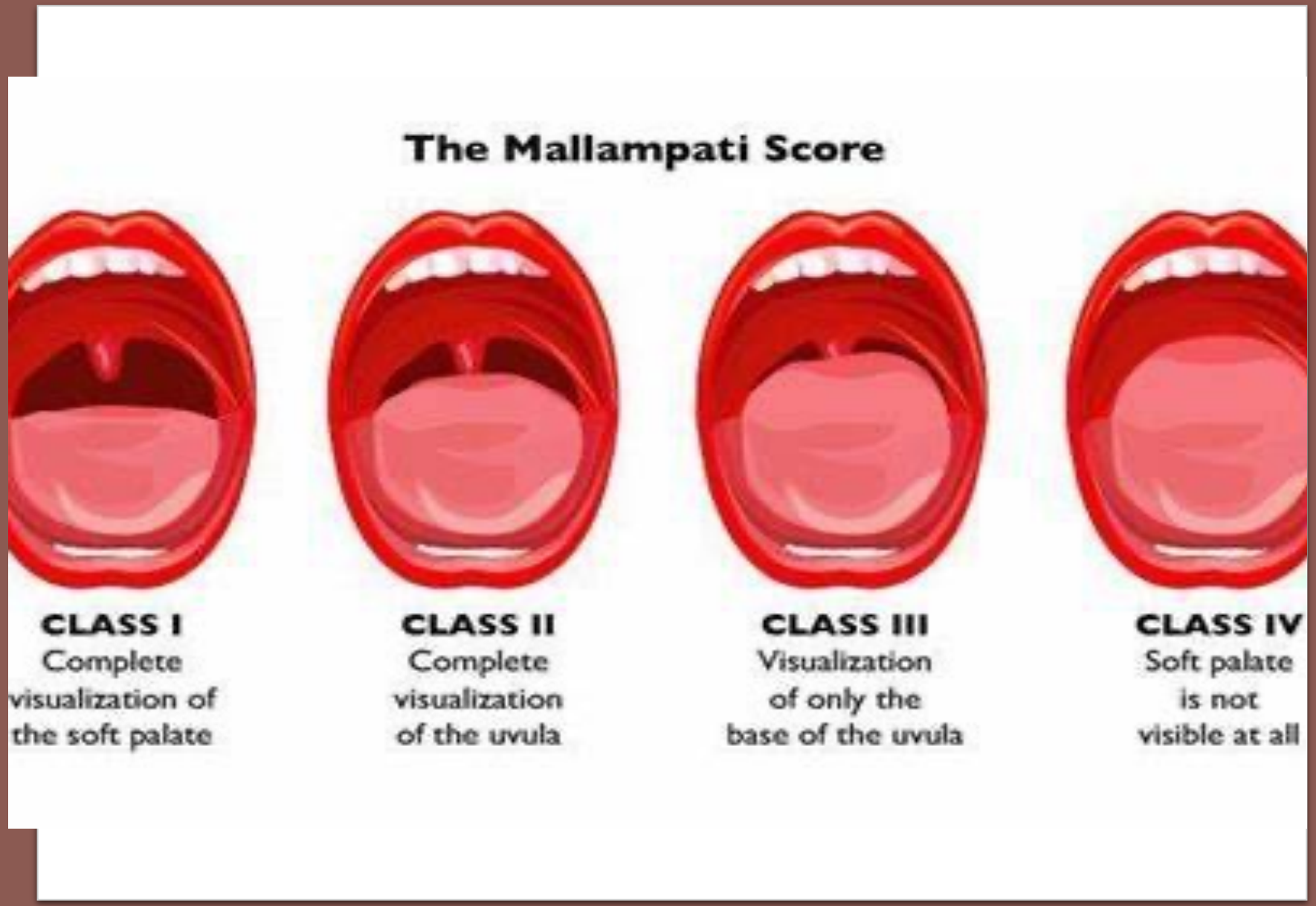
In the Operating Room?

In the Emergency Room?

Prehospital Setting?

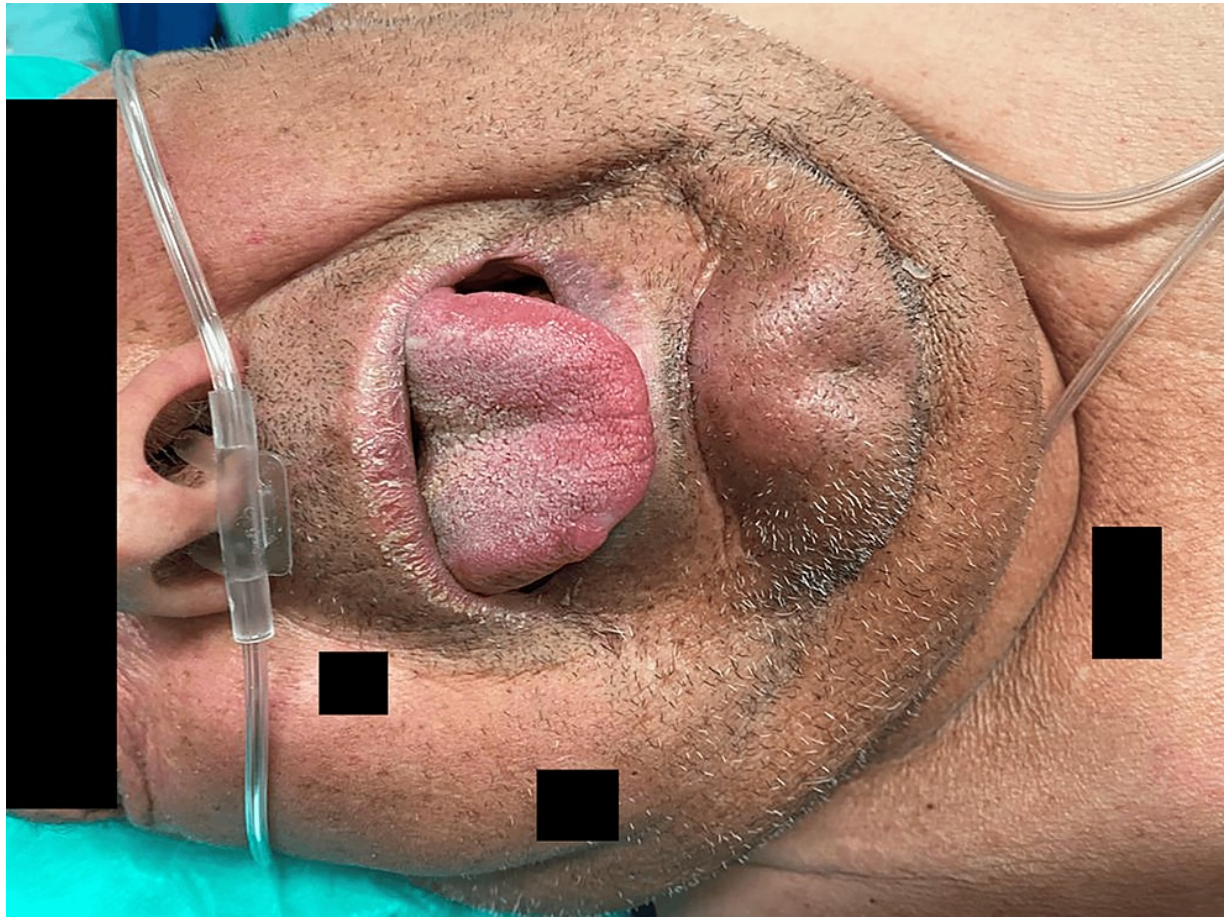
Airway Assessment

- Neck Circumference
- Dental: Dentures, Rotten Teeth, etc
- Neck ROM
- Mouth opening: >3 FB
- Thyromental Distance: Micrognathia?
- MP score: 1-4


The Mallampati Score
CLASS I
Complete visualization of the soft palate
CLASS II
Complete visualization of the uvula
CLASS III
Visualization of only the base of the uvula
CLASS IV
Soft palate is not visible at all

Mallampati

Obesity and Neck Size

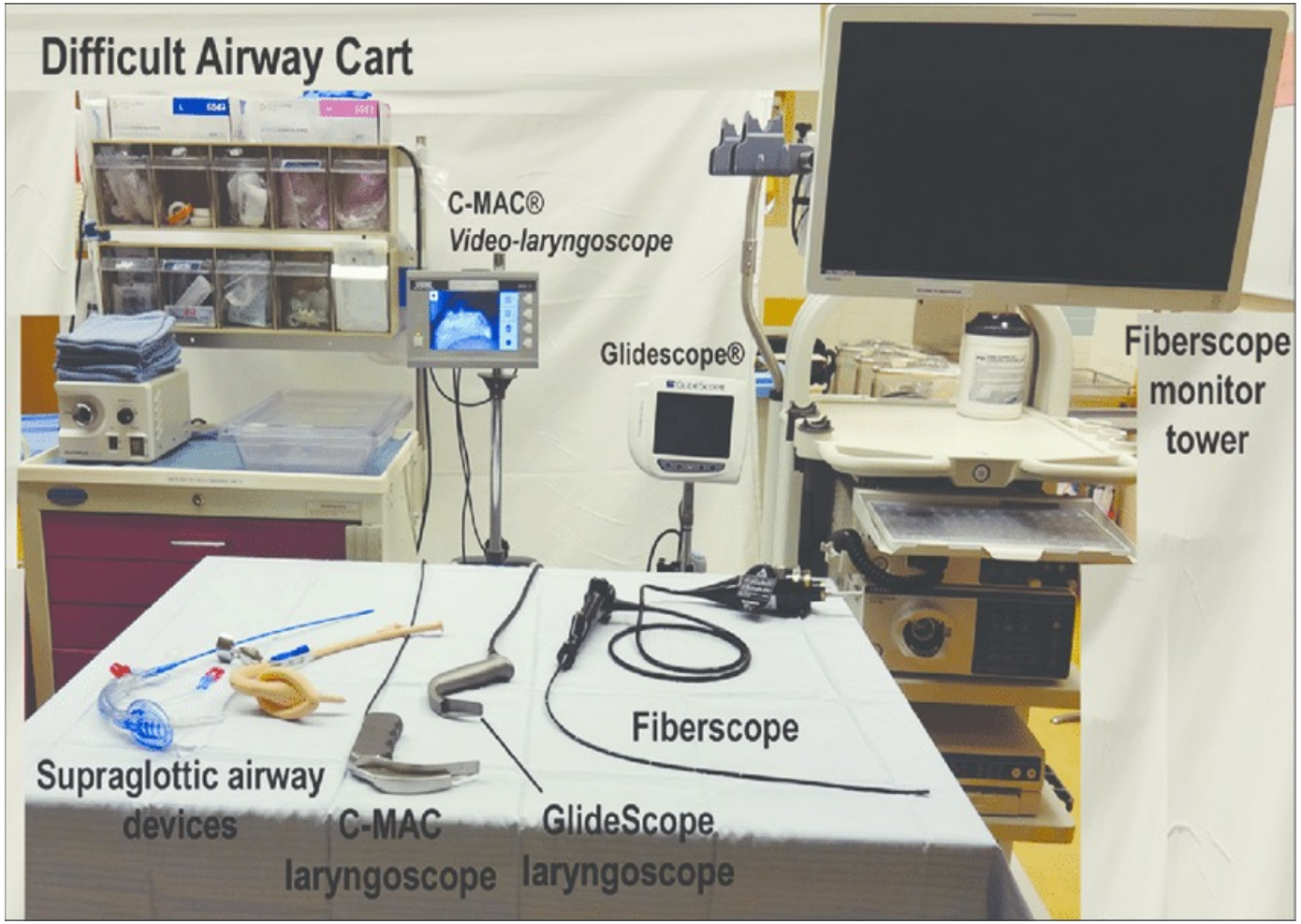


Neck Mass or deformity

Figure 2. The right semilateral sitting view.

Micrognathia and Dental Concerns

Where is your difficult airway cart?

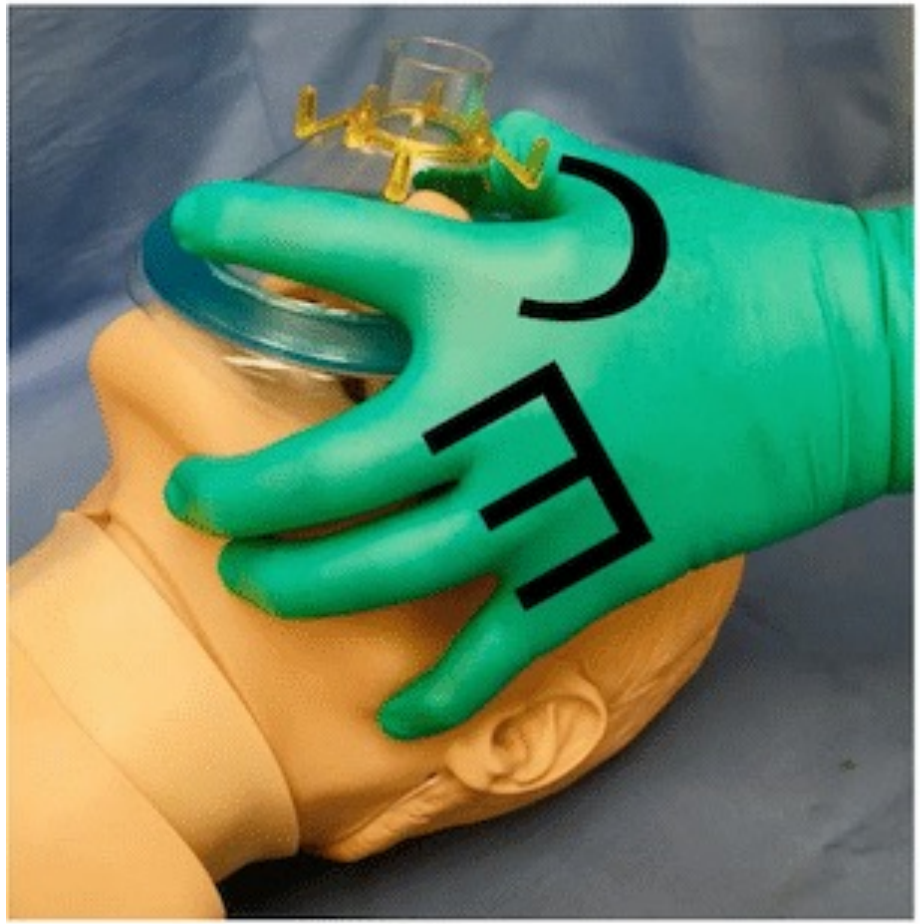


Airway

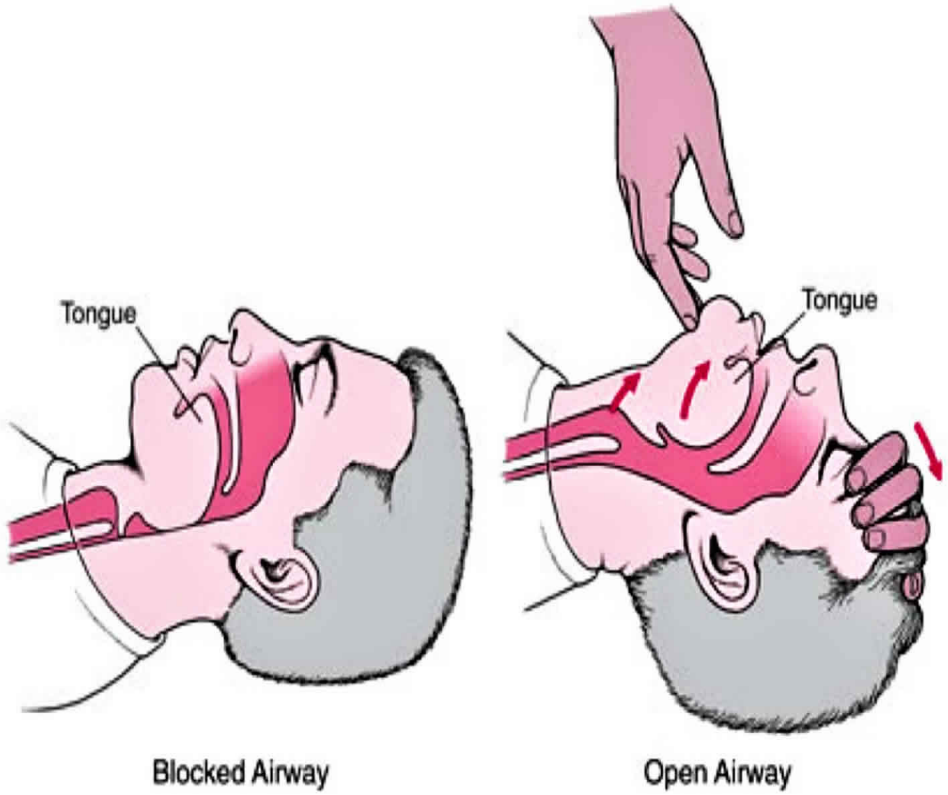
Opening The Airway Maneuvers

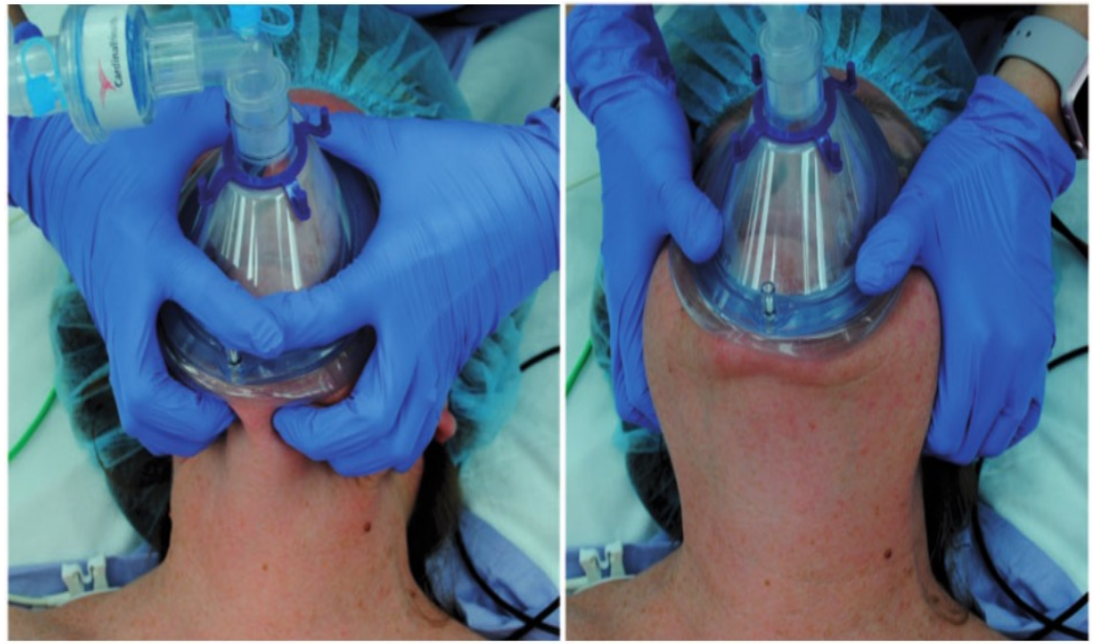
1. Head tilt chin lift
2. Jaw Thrust

C over E Back Straps????



One or Two handed?



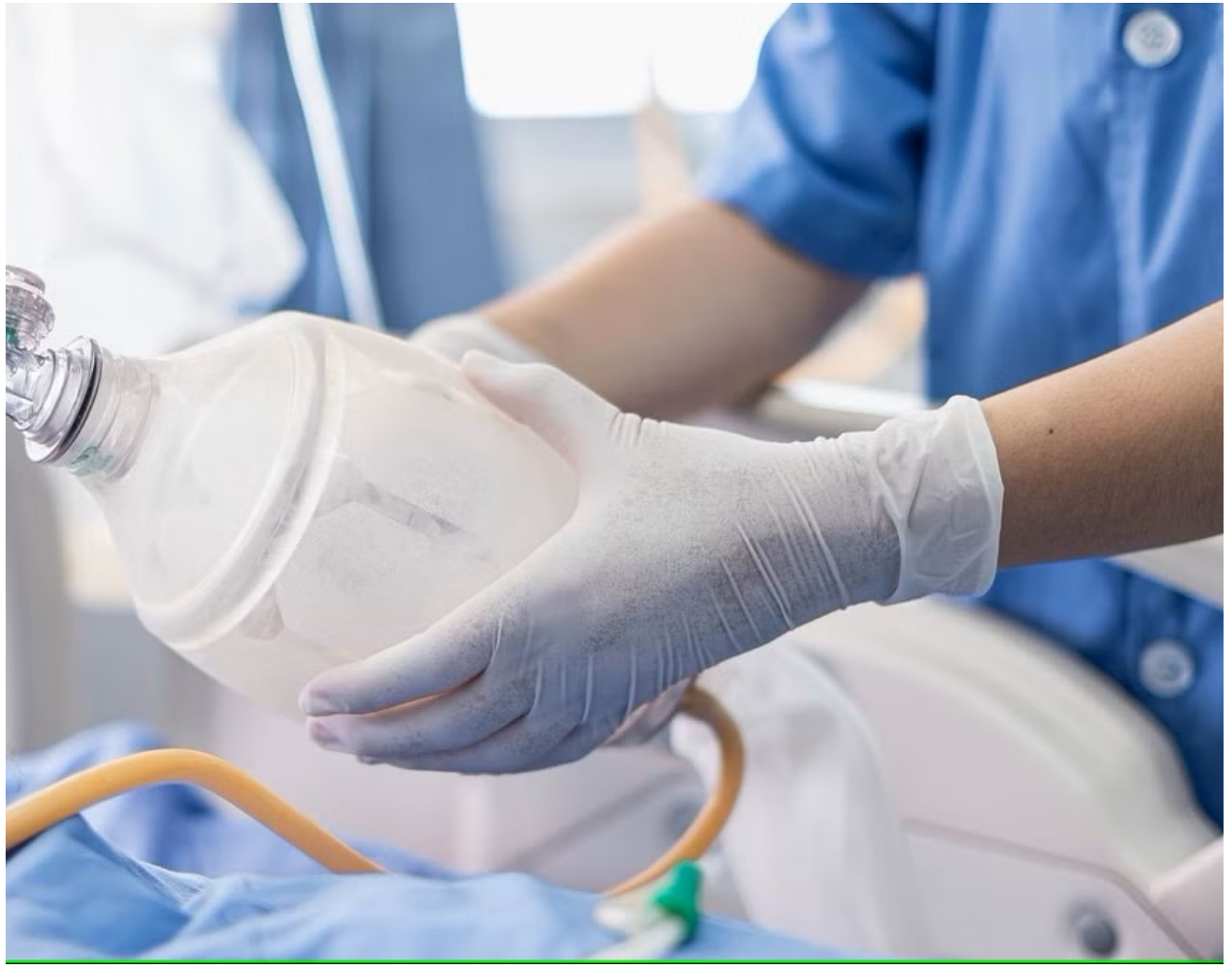


To ventilate or not to ventilate.

How often do we Ventilate?

Adults: 10-12 times a minute or once every 6 seconds.

Child: once every 2-3 seconds



What are the primary differences?

Mapleson

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AMBU Self-Inflating

How do we assess ventilation and perfusion

Spo2?

- Goal?
- Significance?
- Pulse Oximetry

ETCO2?

- Goal?
- Significance?
- Capnometry vs capnography

How do we assess ventilation and perfusion

Spo2?

- >94 Depending
- Delay
- Perfusion (Cardiac Output dependent)
- Probe placement

ETCO2?

- Goal?
- Real Time
- Ventilation work of breathing

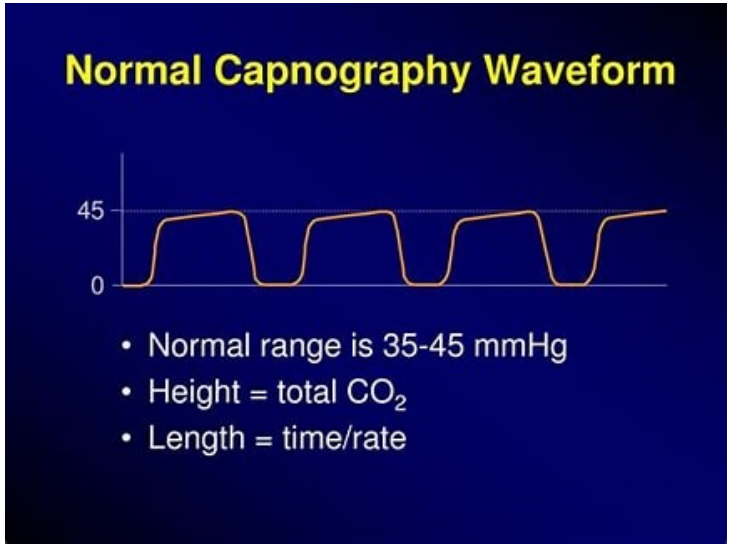
Capnography vs Capnometry

Capnometry

- The numerical measurement of CO2 in respiratory gas

Capnography

- The waveform tracing of CO2 gas being measured.



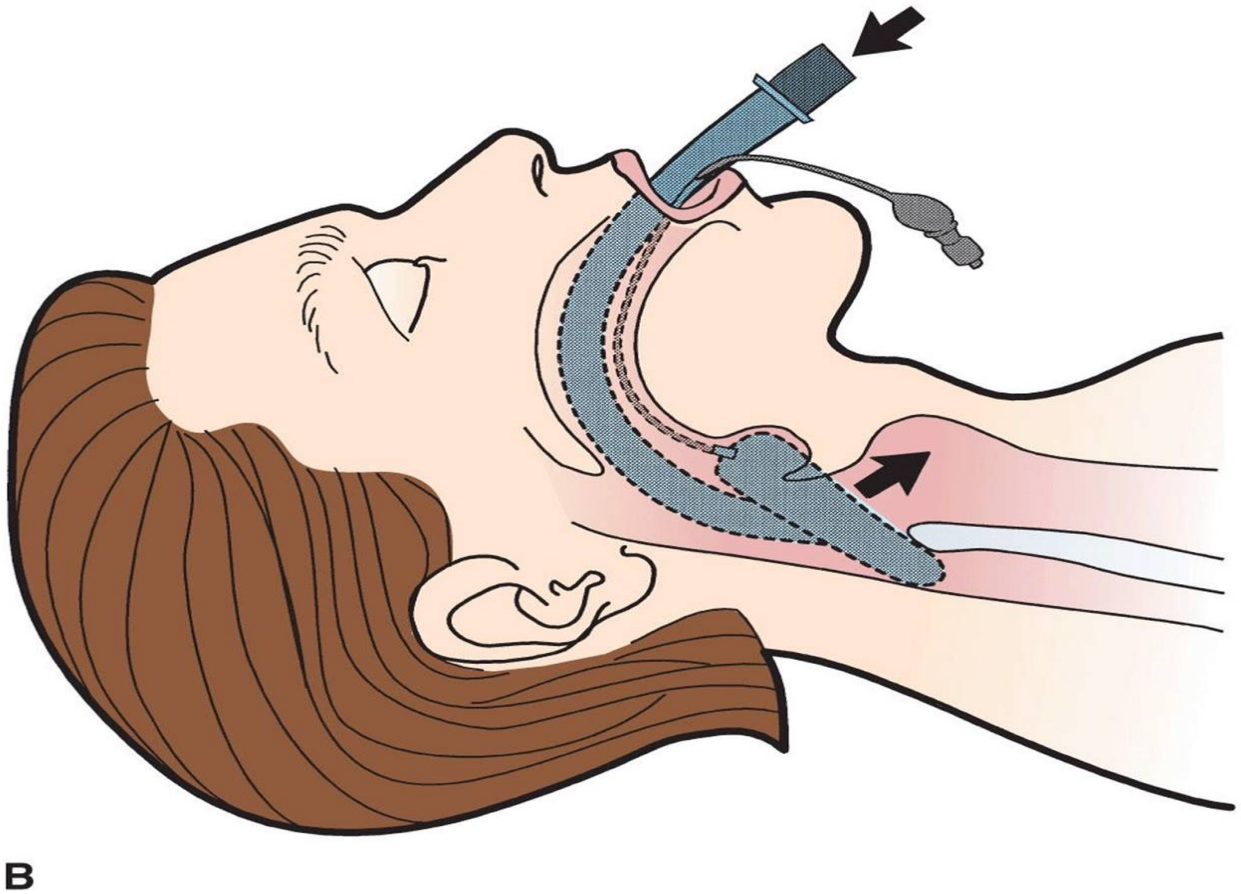
Airway Devices 101

OPA’s

The Supraglottic Airway

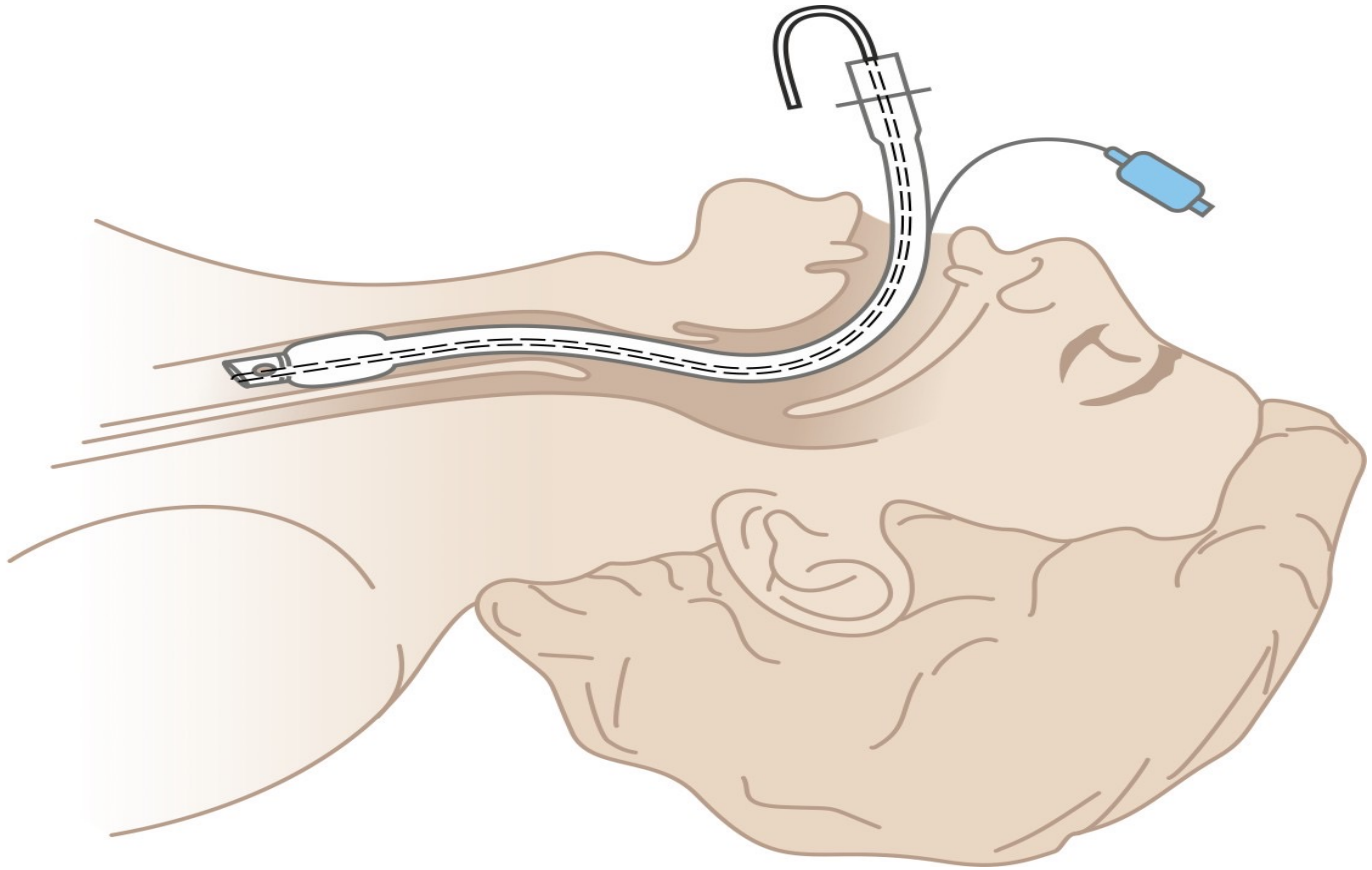
Sizes

Placement: ETT vs LMA. Where is the pointy end of the LMA and why????



B

ETT Placement compared to LMA. Think Definitive vs Nondefinitive Airway



Why is it important to understand the difference between an LMA and Endotracheal Tube

- 1. OR case considerations: Name some specialty tubes you might encounter: Laser, Intubating LMA, Angled, Nasal Rae. Oral Rae.
- 2. Trauma? To LMA or not? Why?
- 3. Pt positioning?
- 4. Pt. Conditions?

Difficult Airway Scenario

A code is called to the PACU for a pt who isn't doing well. One of the RNs is having a hard time ventilating the pt. The pt is unresponsive and not breathing. What can you try?

She attempts two handed ventilation. Manages to breath a few times for the patient but not adequately.

The RN passes an OPA and resumes two handed ventilating. The Anesthesia team arrives. What would be the next step?

The Anesthesiologist attempts to Intubate without success. What could be next.

After being a failed attempt to intubate and ventilate with an AMBU bag. The Anesthesia provider attempts an LMA placement. What should you anticipate if this doesn't work?

You forgot to mention that when you heard there was an airway emergency you brought a glidescope. Pt is successfully intubated and stabilized.

What are further steps that may need to be taken if the glidescope didn’t work?


The End