

COVID ED Rapid Sequence Protected Intubation ALGORITHM

PREINTUBATION

STAFF PROTECTION:

- DON full airborne precaution PPE (Refer to Donning protocol)
- MINIMIZE staff exposure (3 staff: ED OR Anesthesia faculty + ARI MO+ARI nurse, + 1 standby)

PREPARATION:

- INFORM: ED faculty, Anesthesia ±Pediatrics
- ASSIGN Roles, team brief
- CHECK equipment and medicines**
- CONNECT patient to the monitor
- ACCESS IV line with IVF. Vasopressor ready.

INTUBATION: Limit the time

PREOXYGENATION

- Facemask attached to AMBU bag WITH HME filter
- V-E 2 hand grip to maintain seal (figure)
- DO NOT BAG the patient.
- USE LMA if bagging required
- POSITIONING: Head elevated



MEDICATION

- Induction: Midazolam (0.1mg/kg) or Ketamine (1-2mg/kg)
- FULL PARALYSIS: Rocuronium (1.5mg/kg)

INTUBATION: To be done by the most experienced personnel.

- Wait till patient FULLY PARALYZED
- TURN OFF wall oxygen, then remove BMV
- Intubate using bougie
- CLOSED SUCTION ONLY if needed.
- Remove bougie and dispose carefully (designated space)
- INFLATE cuff, then ONLY perform BMV with SMALL TIDAL VOLUME with HME filter

Successful intubation?

NO

1. LMA
2. Surgical Cricothyroidotomy

Yes

POSTINTUBATION

- DO NOT AUSCULTATE the lung with stethoscope
- Use Lung USG and ETCO2 to confirm tube placement
- Initiate sedation
- CLAMP ETT for any disconnection from circuit
- COVER the face and ETT while transferring patient to ICU
- Disinfection of the equipment (Refer to Disinfection protocol)
- DOFF the PPE (Refer to Doffing protocol)

POSTINTUBATION



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COVID - 19 AIRWAY TEAM									
1 - ED FACUTLY/ ANESTHESIA/ PEDIATRIC - ON CALL									
2 - ARI MO (Airway Assistant)									
3 - ARI NURSE/ PARAMEDIC									
ARI RESUSCITATION ZONE SET - UP									
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="padding: 2px;">Monitor</td></tr> <tr><td style="padding: 2px;">Airway trolley</td></tr> <tr><td style="padding: 2px;">Suction port</td></tr> <tr><td style="padding: 2px;">Oxygen port</td></tr> <tr><td style="padding: 2px;">Defibrillator</td></tr> <tr><td style="padding: 2px;">IV access and medication tray</td></tr> <tr><td style="padding: 2px;">VTM tray</td></tr> </table>	Monitor	Airway trolley	Suction port	Oxygen port	Defibrillator	IV access and medication tray	VTM tray		
Monitor									
Airway trolley									
Suction port									
Oxygen port									
Defibrillator									
IV access and medication tray									
VTM tray									
CHECKLIST									
EQUIPMENT CHECK	MONITORS	DRUGS							
<input type="checkbox"/> Suction checked	<input type="checkbox"/> SpO2	<input type="checkbox"/> IV Access							
<input type="checkbox"/> HME filter attached to AMBU	<input type="checkbox"/> ECG	<input type="checkbox"/> Ketamine OR <input type="checkbox"/> Midazolam							
<input type="checkbox"/> Laryngoscope - 2 blades (check battery)	<input type="checkbox"/> NIBPM	<input type="checkbox"/> Rocuronium							
<input type="checkbox"/> ETT - 2 sizes, cuffed (checked and lubricated)	<input type="checkbox"/> USG	<input type="checkbox"/> Emergency drugs Adrenaline/Atropine							
<input type="checkbox"/> Bougie/ Stylet/Clamp	<input type="checkbox"/>	<input type="checkbox"/> Vasopressor +push dose adrenaline							
<input type="checkbox"/> Tube fixing tape		<input type="checkbox"/> Post- induction sedation							
<input type="checkbox"/> Nasopharyngeal airway		<input type="checkbox"/> Other: _____							
<input type="checkbox"/> Oro-pharyngeal Airway									
<input type="checkbox"/> Syringe - 10 ml									
<input type="checkbox"/> LMA									