COVID ED Rapid Sequence Protected Intubation ALGORITHM

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.

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

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)
# COVID ED Rapid Sequence Protected Intubation ALGORITHM

## COVID – 19 AIRWAY TEAM

1. ED FACULTY/ ANESTHESIA/ PEDIATRIC - ON CALL  
2. ARI MO (Airway Assistant)  
3. ARI NURSE/ PARAMEDIC  

## ARI RESUSCITATION ZONE SET-UP

<table>
<thead>
<tr>
<th>Monitor</th>
<th>Airway trolley</th>
<th>Suction port</th>
<th>Oxygen port</th>
<th>Defibrillator</th>
<th>IV access and medication tray</th>
<th>VTM tray</th>
</tr>
</thead>
</table>

## CHECKLIST

### EQUIPMENT CHECK

<table>
<thead>
<tr>
<th>Suction checked</th>
<th>SpO2</th>
<th>IV Access</th>
</tr>
</thead>
<tbody>
<tr>
<td>HME filter attached to AMBU</td>
<td>ECG</td>
<td>Ketamine OR</td>
</tr>
<tr>
<td>Laryngoscope – 2 blades (check battery)</td>
<td>NIBPM</td>
<td>Midazolam</td>
</tr>
<tr>
<td>ETT – 2 sizes, cuffed (checked and lubricated)</td>
<td>USG</td>
<td>Rocuronium</td>
</tr>
<tr>
<td>Bougie/ Stylet/Clamp</td>
<td></td>
<td>Emergency drugs</td>
</tr>
<tr>
<td>Tube fixing tape</td>
<td></td>
<td>Adrenaline/Atropine</td>
</tr>
<tr>
<td>Nasopharyngeal airway</td>
<td></td>
<td>Vasopressor</td>
</tr>
<tr>
<td>Oro-pharyngeal Airway</td>
<td></td>
<td>+push dose adrenaline</td>
</tr>
<tr>
<td>Syringe – 10 ml</td>
<td></td>
<td>Post-induction sedation</td>
</tr>
<tr>
<td>LMA</td>
<td></td>
<td>Other: _______________</td>
</tr>
</tbody>
</table>