Adult Respiratory Care Practice Guidelines for COVID-19
NEGATIVE or NOT SUSPECTED patients

These guidelines were structured to give health care providers (HCP) guidance for safe practices when administering respiratory treatments or devices in patients not known to be infected with COVID-19.

COVID-19 STATUS

● COVID-19 testing is recommended within 24hrs of INITIATION of the following devices, assuming that a new requirement signals a change in respiratory status that may be consistent with COVID-19 infection.
● Recommend COVID-19 testing only once for intermittent or repeated treatments/devices upon INITIATION of that treatment/device.

Nebulized Medications

● A curtain can be drawn between 2 patients sharing a room in order to create space for respiratory distancing.
● MDI shortages currently dictate that nebulized bronchodilators, anticholinergics and inhaled corticosteroids be used in patients not known to be infected with COVID-19. Nevertheless, these medications should be limited to patients with clinical necessity, as in bronchospasm from asthma or COPD.
● Nebulized bronchodilators and anticholinergics should not be ordered for asymptomatic patients.

Oxygen Nasal Cannula

● Patients wearing nasal cannula are asked to wear a face mask\(^1\) when HCP are present.
● HCP should maintain arms length whenever possible.
● A curtain can be drawn between 2 patients sharing a room in order to create space for respiratory distancing.

High Flow Nasal Cannula (HFNC)

● Nasal prongs should be placed, evaluated for good fit and face mask\(^1\) placed prior to starting flow.
● Nasal prongs must be well seated in the nares with minimal leak.
● Patients wearing HFNC are asked to wear a face mask\(^1\) when HCP are present.
● HCP should maintain arms length whenever possible.
● A curtain can be drawn between 2 patients sharing a room in order to create space for respiratory distancing.

Non-Invasive Ventilation (NIV=BIPAP or CPAP)

● Mask interface should be placed and evaluated for good fit prior to starting NIV machine.
● Good mask seal must be ensured. Leaks >20% should be reported to respiratory supervisor and provider.
● HCP should keep their face and body to the side of the patient’s mouth or nose to avoid direct alignment to the path of coughing.
● A curtain can be drawn between 2 patients sharing a room in order to create space for respiratory distancing.

Suctioning / Physiotherapy

● Chest PT is limited to patients with clinical necessity. HCP should maintain arms length when administering.
● Nasotracheal/open suctioning - HCP should maintain arms length when administering and keep their face and body to the side of the patient’s mouth or nose to avoid direct alignment to the path of coughing.

Tracheostomy tube

● Chronic respiratory failure on a home ventilator. All patients are preferentially placed on hospital ventilators (with filter on exhale port).
● Standard humidification delivery system should be maintained (per institution).
● An HME filter can be placed on the tracheostomy tube directly, allowing for venturi masks during transport.
● During suctioning, HCP should maintain arms length when administering and keep their face and body to the side of the patient’s mouth and trach to avoid direct alignment to the path of coughing.

\(^1\) Face Mask refers to PPE

Rev 4/23/2020
Exubation

- Do NOT stand directly in front of the patient. Position yourself optimally to avoid path of coughing.
- Immediately after disposing of dirty materials the outside gloves should be removed, inside out.
- Patients transitioning to comfort measure may be extubated. The order in which life sustaining measures are discontinued (vasopressors, hemodialysis, mechanical ventilation, etc) is left to the discretion of the attending provider.

References:


Please contact Respiratory Care or Infection Prevention leadership with any questions related to these practice guidelines.
# COVID-19 Guidelines for Aerosol Generating Procedure in COVID NEGATIVE/NOT SUSPECTED patients

## Aerosol Generating Procedures (AGP) for Covid NEGATIVE/ NOT SUSPECTED Patients

AGP should not be withheld or delayed by COVID testing. Protective measures have been provided to optimize safety during testing period.

<table>
<thead>
<tr>
<th>Device / Treatment</th>
<th>HR(^1)-AGP?</th>
<th>Negative Pressure</th>
<th>Regular Pressure</th>
<th>Mask</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nasal Cannula</td>
<td>No</td>
<td>No</td>
<td></td>
<td>In a room by themselves*</td>
<td>Patients are asked to wear a face mask(^2) when HCP are in the room. * If not in a room by themselves, recommend COVID testing within 24 hrs of INITIATION. Curtain should be drawn between 2 patients.</td>
</tr>
<tr>
<td>High Flow Nasal Cannula</td>
<td>Yes</td>
<td>No</td>
<td></td>
<td>In a room by themselves*</td>
<td>* If not in a room by themselves, recommend COVID testing within 24 hrs of INITIATION (for intermittent treatments/device, only one time recommended). Curtain should be drawn between 2 patients.</td>
</tr>
<tr>
<td>Nebulized Medications (use only for strong clinical necessity)</td>
<td>No</td>
<td>No</td>
<td></td>
<td>In a room by themselves*</td>
<td>Ask pt wear paper mask over trach when HCP in the room.</td>
</tr>
<tr>
<td>High Flow Mask</td>
<td>Yes</td>
<td>No</td>
<td></td>
<td>In a room by themselves*</td>
<td>*If repeated suctioning anticipated AND not in a room by themselves, recommend COVID testing within 24 hrs of INITIATION and curtain drawn between 2 patients.</td>
</tr>
<tr>
<td>Non-Invasive Ventilation (BIPAP/CPAP)</td>
<td>Yes</td>
<td>No</td>
<td></td>
<td>In a room by themselves*</td>
<td>*If pt is not in a room by themselves, draw the curtain.</td>
</tr>
<tr>
<td>Chest Physiotherapy</td>
<td>Yes</td>
<td>No</td>
<td></td>
<td>In a room by themselves*</td>
<td></td>
</tr>
<tr>
<td>Chronic Tracheostomy</td>
<td>Yes</td>
<td>No</td>
<td></td>
<td>In a room by themselves*</td>
<td></td>
</tr>
<tr>
<td>Open Suctioning</td>
<td>Yes</td>
<td>No</td>
<td></td>
<td>In a room by themselves*</td>
<td></td>
</tr>
<tr>
<td>Extubation</td>
<td>Yes</td>
<td>No</td>
<td></td>
<td>In a room by themselves*</td>
<td></td>
</tr>
<tr>
<td>Sputum Induction</td>
<td>Yes</td>
<td>Strongly Recommended</td>
<td>Not recommended</td>
<td>Respirator, face shield/goggles, isolation(^2) gown and gloves</td>
<td>usually r/o TB</td>
</tr>
<tr>
<td>Nasopharyngeal Specimen collection, Aspiration, Washing</td>
<td>Yes</td>
<td>No</td>
<td>In a room by themselves*</td>
<td>Respirator, face shield/goggles, bouffant/balacava, procedure(^3) gown, double gloves and footcover</td>
<td>*If pt is not in a room by themselves, draw the curtain between 2 patients.</td>
</tr>
<tr>
<td>Feeding tube placement</td>
<td>Yes</td>
<td>No</td>
<td></td>
<td>In a room by themselves*</td>
<td></td>
</tr>
<tr>
<td>CPR</td>
<td>Yes</td>
<td>No</td>
<td></td>
<td>Isolate as much as possible</td>
<td></td>
</tr>
<tr>
<td>Bag Mask Ventilation</td>
<td>Yes</td>
<td>No</td>
<td></td>
<td>Isolate as much as possible</td>
<td></td>
</tr>
<tr>
<td>Intubation</td>
<td>Yes</td>
<td>No</td>
<td></td>
<td>Isolate as much as possible</td>
<td></td>
</tr>
<tr>
<td>Bronchoscopy</td>
<td>Yes</td>
<td>Strongly Recommended</td>
<td>In a room by themselves</td>
<td>COVID testing within 24hrs of procedure is recommended.</td>
<td></td>
</tr>
<tr>
<td>GI tract Endoscopy</td>
<td>Yes</td>
<td>Strongly Recommended</td>
<td>In a room by themselves</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

\(^1\)High Risk \(^2\) Isolation gowns=Semi-fluid resistant \(^3\) Procedure gown = fluid resistant \(^3\) PPE Face Mask

---

**Yale New Haven Health**

**Rev 4/23/2020**