

## COVID-19: Aerosol Generating Procedure List and Guidance

<b>Before Performing Procedure</b>	
Supplies	<p>PRIOR to performing aerosol generating procedures on COVID-19 suspected or confirmed patients, obtain the following supplies:</p> <ul style="list-style-type: none"> <li>• N-95 mask or PAPR if not fit testing or with facial hair</li> <li>• Goggles/Face shield with N-95 use</li> <li>• Gown</li> <li>• Gloves</li> </ul>
<b>Aerosol Generating Procedures</b>	
Medical Procedures	<ul style="list-style-type: none"> <li>• Endoscopy including EGD, Bronchoscopy, ERCP, Esophageal Manometry, and pH study               <ul style="list-style-type: none"> <li>○ Endoscopy in COVID-19 patients is highly discouraged</li> </ul> </li> <li>• Colonoscopy</li> <li>• Transesophageal Echocardiogram (TEE)</li> <li>• Intubation</li> <li>• Extubation</li> <li>• Cardiopulmonary Resuscitation (CPR)</li> <li>• Tracheostomy placement</li> <li>• Chest tube insertion/removal (chest tube with/without air leak connected to a closed system is not aerosolizing)</li> <li>• Electrocautery smoke plumes specifically in the aerodigestive tract includes the airway (pharynx and larynx), pulmonary tract (trachea, bronchi, and lungs), and upper digestive tract (esophagus)</li> <li>• Surgeries in which high speed drills and bone saws are used</li> <li>• Fiberscope Endoscopic Evaluation of Swallows (FEES)</li> </ul>
Bedside Care (non-intubated patients)	<ul style="list-style-type: none"> <li>• NG / Dubhoff placement</li> <li>• Sputum-Induction / Sputum-Expectoration</li> <li>• Nasopharyngeal/Oropharyngeal Swab</li> </ul>
Bedside Care (intubated patients)	<ul style="list-style-type: none"> <li>• Open suctioning (should be treated as aerosol generating due to high risk of circuit disruption)               <ul style="list-style-type: none"> <li>○ Oral suctioning is NOT aerosol generating in intubated patient</li> </ul> </li> <li>• Trach Mask Trials</li> <li>• Manipulation of Ventilator Circuit (including disconnecting circuit or cuff leak testing)</li> <li>• Tracheal Aspiration</li> <li>• Bronchoalveolar lavage (mBAL) – only performed in negative pressure</li> <li>• Nasopharyngeal Swab</li> </ul>
Respiratory Support	<ul style="list-style-type: none"> <li>• CPAP*</li> <li>• BIPAP*</li> <li>• IPPV (intermittent positive pressure ventilation)</li> <li>• Metered-dose inhaler (MDI) or nebulized medication               <ul style="list-style-type: none"> <li>○ Refer to pharmacy for selection of MDI versus nebulized medication</li> </ul> </li> </ul>
<p><i>*CPAP / BIPAP should be avoided in known COVID-19 patients. If used, HEPA filter should be attached to exhalation port</i></p> <p><i>**Patient rooms should be considered “high risk” post aerosol generating procedure for specified time to achieve enough air exchanges to remove 99.9% of aerosolized particles</i></p>	