The following table provides guidance for determining the appropriate PPE and room criteria required for Aerosol Transmissible Diseases (ATDs) when performing Aerosol Generating Procedures (AGP). A PAPR is required for AGP for patients requiring airborne precautions.  

<table>
<thead>
<tr>
<th>Type of Procedure</th>
<th>PPE</th>
<th>Room criteria</th>
<th>PPE</th>
<th>Room criteria</th>
<th>PPE</th>
<th>Room criteria</th>
<th>PPE</th>
<th>Room criteria</th>
<th>PPE</th>
<th>Room criteria</th>
<th>PPE</th>
<th>Room criteria</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aerosol Generating Procedure</td>
<td>PAPR and refer to isolation table</td>
<td>Airborne Isolation room</td>
<td>N95 with face shield (or PAPR), gown, gloves</td>
<td>Airborne Isolation room for continuous AGP preferred</td>
<td>N95 with face shield (or PAPR), gown, gloves</td>
<td>Private patient room preferred</td>
<td>N95 with face shield (or PAPR), gown, gloves</td>
<td>Private patient room preferred</td>
<td>N95 with face shield (or PAPR)</td>
<td>All Others (Including patients with negative COVID tests)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Not aerosol generating procedure</td>
<td>PAPR or N95 and refer to isolation table</td>
<td>Airborne Isolation room</td>
<td>N95 with face shield (or PAPR), gown, gloves</td>
<td>Private patient room with door closed preferred</td>
<td>Surgical mask with eye protection, refer to isolation table</td>
<td>Private patient room preferred</td>
<td>Surgical mask with eye protection, refer to isolation table</td>
<td>Private patient room preferred</td>
<td>Use Standard Precautions AND refer to isolation table as applicable</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Aerosol Generating Procedures (AGP) include but are not limited to:**

- Intubation procedure
- Non-invasive ventilation (BIPAP/CPAP)
- Manual Ventilation
- High frequency ventilation
- Tracheostomy
- High Flow Nasal Cannula
- Other high risk procedures that should be considered AGPs: TEE, endoscopy

**For ALL COVID-19 testing:** not AGP, wear N-95 w/eye protection (or PAPR), gloves, gown for collection

- Not an AGP: non-rebreather mask, in-line suctioning, suctioning the oropharynx, coughing patient, NG/OG placement, intubated patients not receiving other AGPs
- Do I need to be fit tested to wear PAPR equipment? No, but training is required. Call EHS at 415-476-1300 for information.
- How to obtain a PAPR unit
- Contact Materiel Services at 415-353-1837 (Parnassus) 885-7255 (MZ) or 476-1116 for (MB)
- PAPRs not functioning should be red tagged, removed from circulation and sent to Materiel Services.

1. Per Cal-OSHA regulation Title 8, Section 5198. (g)(3)(b), [https://www.dir.ca.gov/T8/5199.html](https://www.dir.ca.gov/T8/5199.html)
2. [https://www.dir.ca.gov/t8/5198.html](https://www.dir.ca.gov/t8/5198.html) and [https://infectioncontrol.ucsfmedicalcenter.org/isolation](https://infectioncontrol.ucsfmedicalcenter.org/isolation)
3. Novel Respiratory Isolation Precautions N95/face shield (or PAPR), gown, gloves for all patients irrespective of AGP status. If patient receiving a continuous AGP place patient in an airborne isolation room. Continue patient on Novel Respiratory Isolation if there are ongoing clinical concerns for COVID-19 even if COVID-19 testing is negative.
4. When AGP performed place ‘Aerosol Generating Procedure is in Progress’ sign and wear N95 with face shield (or PAPR), gowns, gloves during procedure and if a discrete procedure, when entering the room 1 hour after.
5. Other i) Droplet Transmitted infections not included in ATD Standards (e.g. RSV, rhinovirus, parainfluenza, human metapneumovirus), ii) negative respiratory viral evaluation AND no ongoing concern for COVID-19, OR iii) no concern for respiratory infection
6. When AGP performed place ‘Aerosol Generating Procedure is in Progress’ sign and wear N95 with face shield (or PAPR) when entering the room until >99% air changes have been achieved (if this is not known, then assume 1 hr)

There are exceptions to the above guidance for required use of PAPR. In the following exemptions an N95 may be worn in place of a PAPR: A) Emergent Patient Care that does not allow sufficient time to put on a PAPR, B) PAPR equipment interferes with the medical devices necessary to complete the required procedures or C) Call (415-885-3538) to report other potential exemptions for review and consideration.

*Please contact the Medical Center Safety Office at MedicalCenterSafety@ucsf.edu or 415-885-3538 with any questions or concerns.*

September 18, 2020