### Guidance for Use of Personal Protective Equipment PPE for Aerosol Generating Procedures

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.1

<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>
</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>Pending initial test: N95 with eye protection (or PAPR), gown, gloves³</td>
<td>Private patient room preferred</td>
<td>N95 with face shield (or PAPR), gown, gloves⁴</td>
<td>Follow clinical algorithm, use Standard Precautions AND refer to isolation table as applicable</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Not aerosol generating procedure</td>
<td>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>Pending initial test: Surgical mask with eye protection</td>
<td>Private patient room preferred</td>
<td>Refer to isolation table</td>
<td>Private patient room preferred</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

- For ALL COVID-19 testing: not AGP, but 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
- 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)
- CPSRs and their appropriate PPE are to be removed from circulation and sent to Materiel Services within 24 hours of isolation
- PAPRs not functioning should be red tagged, removed from circulation and sent to Materiel Services.

1) Per Cal-OSHA regulation Title 8, Section 5199, (g) (3) (B), [http://www.dir.ca.gov/Title8/5199.html](http://www.dir.ca.gov/Title8/5199.html)
2) [https://www.dir.ca.gov/ttle8/5199a.html](https://www.dir.ca.gov/ttle8/5199a.html) and [https://infectioncontrol.ucsfmedicalcenter.org/isolation-table](https://infectioncontrol.ucsfmedicalcenter.org/isolation-table)
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

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.

August 3, 2020