COVID-19 Surgical / Procedural PPE Algorithm 4.23.2020 0900
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High-Risk Surgeries:
• Any procedures on the airway, throat, mouth or sinuses (bronchoscopy, tracheostomy, glossectomy, laryngoscopy procedure, etc)
• Surgery under regional anesthetic with high likelihood of requiring GA
• Thoracic surgery/procedures
• Emergency trauma surgery involving head, neck, or thorax
• Emergency Cesarean section with intubation
• Active CPR

High-Risk Procedures:
• Transesophageal echocardiograms (TEE)
• EGD and colonoscopy
• Interventional radiology procedures that been deemed aerosol generating procedures.
• Bronchoscopy
• Gastrointestinal (upper and lower)
• Oral surgery
• ENT procedures involving sinus or oropharyngeal regions

Emergency Surgery or Procedure

Surgery or Procedure

High Risk Surgery or Procedure

Low Risk Surgery or Procedure

Symptom Screen

Consider DELAY, if unable then test.

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COVID-19 Test

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N-95 (or PAPR), gown, gloves, face shield or goggles for all team members

If unable to symptom check, or perform COVID-19 test, treat as emergency.

HIGHEST RISK: Consider DELAY If not possible, don N-95 (or PAPR), gown, gloves, face shield or goggles for all team members

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Standard surgical PPE for team members *excluding anesthesia due to AGP exposure

Other:
• When pre-operative COVID-19 testing is not available, members of the team not wearing N95 must leave OR and wait outside for 15 minutes (based on 20 air exchange/hr with 99% air clearing). Where 15-minute wait could seriously hinder care follow “emergency” pathway.
• After completion of intubation or extubation, other team members can return and wear standard PPE (standard gown, eye protection, gloves).
• Any team member donning PPE must have appropriate training
• Follow PPE conservation guidelines and processes for reuse of N-95 masks

Algorithm adapted from Journal of the American College of Surgeon: https://www.journalacs.org/article/S1072-7515(20)30303-3/pdf