**SPECIAL RESPIRATORY PRECAUTIONS or COVID-19 Positive?**

Per policy, Activate PET or Activate Pediatric Dr. CART via 1-4-7
- Tell UCM Call Center if patient is on "Special Respiratory Precautions"

**Evidence of Impending Respiratory Failure (Acute respiratory compromise requiring intubation)**

- Don appropriate PPE (e.g. N95/Respirator, eye protection, gown, & gloves)
- Limit personnel in the room to the minimum necessary
- Cardiac arrest
  - Initiate high-quality CPR
  - Minimize Bag-Mask Ventilation by prioritizing intubation
    - during ventilation with a bag-mask, use a FILTER and maintain a tight seal
  - Intubate quickly with RSI and a cuffed ETT
  - Pause compressions to intubate
  - Keep the crash cart outside the room
  - Pharmacist/RNs to pass medications and equipment as needed
  - Debititate as needed, bring into room
  - Once intubated, connect the patient to a ventilator as soon as possible
  - If Bag-Mask Ventilation is required, USE FILTER
  - Work patient in room following AHA PALS guidelines until Return of Spontaneous Circulation (ROSC)
  - Pediatric Dr. CART activation will bring additional resources

**Prepare for Early Intubation**

- Don appropriate PPE (e.g. N95/Respirator, eye protection, gown, & gloves)
- AVOID or Minimize Bag-Mask Ventilation
- Oxygenate with a non-rebreather mask
- If Bag-Mask Ventilation is required, USE FILTER and minimize time with bag-mask ventilation
- Intubate as quickly as possible, use RSI
- After tube is passed, inflate ETT cuff before bagging to limit aerosols
- Bag with the Filter and ETCO
- Hook up to vent as soon as possible to limit aerosols
- Follow Comer Covid intubation guidelines
- Floor RN to bring Crash Cart
- Keep all carts outside the room at all times
- Pharmacist to pass medications and equipment as needed
- PICU Charge RN to bring Rapid Sequence Intubation (RSI) Medication Kit from PICU Omnical, airway bag and emergency use PPE kit (housed together)
- Limit personnel in the room to the minimum necessary
- Obtain filter from RT or in crash cart unlocks
- If Cardiac Arrest Dial 1-4-7 to activate overhead Pediatric Dr. CART
- Page COVID-19 Resource Team (02028)

**Transfer to PICU**

- PICU fellow, PICU charge RN, & respiratory therapist, to accompany intubated patients to the PICU
- Maintain full PPE (e.g. N95/Respirator, eye protection, gown, & gloves)
- Avoid nebulized medications of any kind in suspected and confirmed COVID-19 patients
- Transporting a patient on BIPAP or HFNC requires a Demystifier Tent
  - Unit clerk to enter request for a Demystifier Tent in Epic and call at 5-5537
  - Escalate to Transportation Supervisor if assistance with Demystifier Tent required

**Continue to Monitor**

- Cardiopulmonary Monitoring
- Continue proactive surveillance by RN and Service Resident

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**Resources & Updates**

**UCM Resources**
- UCM Coronavirus (COVID-19) Resource Center
- UCM video: How to don and doff Personal Protective Equipment (PPE)
- Policy: PC 44 - Dr. CART
- Policy: PC 234 - Pediatric Early-Response Team (PET)

**External Resources**
- Interim Guidelines for Basic and Advanced Life Support in Adults, Children, and Neonates With Suspected or Confirmed COVID-19, From the Emergency Cardiovascular Care Committee and Out With the Guidelines®
- BLS Pediatric Cardiac Arrest Algorithm for 2 or More Rescuers Suspected or Confirmed COVID-19
- Pediatric Cardiac Arrest Algorithm for Suspected or Confirmed COVID-19
- "COVID-19 Airway Management in the Intensive CARE Unit"

**Recent Updates:**
- 4/14/2020
  - Added infographics for Intubation and Cardiac Arrest
  - Added BLS/PALS COVID Algorithms
  - Updated pathway to be in line with AHA recommendations
- 3/31/2020
  - Edited video link for how to don and doff PPE

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