Intubation of the Confirmed or Suspected COVID-19 Patient
In the Emergency Department

**PREPARATION**

- **Personnel**
  - Limit staff in room (ideally only RN, RT, primary and assistant intubator)
  - Designate “runner” outside of room to help obtain equipment and medications

- **Personal Protective Equipment**
  - Contact Precautions (gown/double gloves)
  - Airborne Precautions (Powered air purifying respirator or N95 mask and eye protection)
  - Intubate in negative pressure room

- **Gather all airway equipment and medications (leave airway cart/box outside of room)**
  - Video Laryngoscopy
  - Disposable handle and blade (mac 3, mac 4, miller 2)
  - Bougie, suction, ETT, Stylet, 10 ml syringe, ETT securement device, LMA with lubricant and syringe, back up O2 source
  - Ambu bag with PEEP valve and HEPA filter

**PROCEDURE**

- Preoxygenate in upright position with 100% FiO2 with either nonrebreather mask at 15 L/Min or ambu bag (over BiPAP) with PEEP valve at 10 cm H2O
- Apply NC at 5 L/min for apneic oxygenation
- Avoid positive pressure ventilation, high flow oxygen and manual bagging unless clinically necessary
  - If bagging required, perform 2 person bagging (“Vice V-E” grip pictured below), use lower tidal volume/higher frequency
  - Use HEPA filter between mask and bag (see picture below)
- Use Video Laryngoscopy for indirect tracheal intubation, increase first chance success
- Consider placement of sugraglottic airway instead of manual bagging for rescue oxygenation
- Rapid sequence intubation with high dose NMBA (1.2 mg/kg rocuronium, 1.5 mc/kg succinycholine) to avoid gagging/coughing
- Only ventilate after ETT cuff inflated and HEPA filter is in circuit

**POST–PROCEDURE**

- Administer post procedural sedation early to minimize ventilator disconnects
- If ventilator circuit must be disconnected, do so at end expiration
- Dispose of any soiled disposable equipment
- Decontaminate non-disposable equipment with sanitation wipes and double seal in biohazard bags
- Remove outer gloves
- Wash or use alcohol hand sanitizer once out of room
- Remove PPE according to CDC guidelines

(See backside for Illustrations)
Vice (V-E) Grip for 2 person Bag Mask Ventilation

Ventilatory Circuit with Viral Filter