COVID-19 RESPIRATORY PATHWAY

Awake proning is beneficial Early intubation may not be needed Permissive hypoxemia is ok. Target O₂ saturation: ≥88% See text for information and references

Does the patient with suspected or confirmed COVID-19 have O₂ <88% Start O₂ Up to 6 L via face mask $O_2 > 88\%$ Continue supplemental O2, Monitor \leq q2h then q4h \perp O₂ <88% Escalate respiratory support AND awake proning (if appropriate) to maintain O2 >88% based on work of breathing and patient tolerance worsening **Escalate Respiratory Support Initiate awake proning** Prefer use of HFNC (<50 LPM) + Surgical Mask Patient must meet following criteria Respiratory rate <30 Nonrebreather < 15 LPM No retractions Alert, oriented, follows instructions (no AMS) Patient able to tolerate rolling over (or on side) Alternative: NIV in negative pressure room, if No additional contraindications† available CPAP preferred over BiPAP in absence of significant Remove chest leads / stickers hypercarbia Place cardiac leads on back Assist patient rolling over Ensure leads, wires, lines, O₂ in place Continue oxygen or HFNC Ensure call bell in patient's hand / reach Consider rotating bed for visualization of patient if feasible/needed Minimize sedation RN reassess after 15 minutes Is the patient tolerating respiratory support \pm proning? yes $(O2 \ge 88\%)$ No respiratory distress/AMS/signs of poor perfusion Escalate respiratory support based on patient's work of Patient can remain prone or side-lying breathing/mental status/perfusion for as long as they tolerate, up to 3 \uparrow HFNC to: FiO₂ 0.8 + 50 LPM hours, and rotate as needed worsening or RN Visual or intercom assessment NIV: EPAP 10cmH₂0 and FiO₂ 0.6 minimum q2h and PRN Encourage incentive spirometry intubation Physician reassessment minimum 30 min, 2 h, then q4h In general, consider these patients for intubation:

• Respiratory distress and/or shock

- **HFNC** FiO₂ >0.8
- NIV EPAP>10cmH20, FiO₂ >0.6, or no improvement after 48 h
- ROX index <3.85 predicts high likelihood of failure of HFNC. Can be measured if clinician judgment is uncertain and patient is not improving