COVID-19 with hypoxia

- **Indication for endotracheal intubation?**
  - Yes: Endotracheal intubation
  - No: Tolerating supplemental oxygen?
    - Yes: Tolerating HFNC
    - No: Indication for endotracheal intubation?
      - Yes: Consider a trial of NIPPV
        - Do it: Monitor closely short intervals
        - Do not: Delay intubation if worsening
      - No: Consider HFNC
        - If available: Video-laryngoscope
        - Use N-95/FFP-2 or equivalent and other PPC/infection control precautions
        - Minimize staff in the room
        - Appropriate infection control precautions
        - Target SPO₂ 92 to 96%
        - If available: Video-laryngoscope
        - Do not: Delay intubation if worsening
    - No: Tolerating HFNC
      - Do it: Monitor closely short intervals
      - Do not: Delay intubation if worsening
  - No: Indication for endotracheal intubation?
    - Yes: Monitor closely short intervals
    - No: Consider NIPPV
      - Do it: Appropriate infection control precautions
      - Do not: Delay intubation if worsening

Note: N-95/FFP-2 are facial masks
HFNC = high-flow nasal cannula
NIPPV = noninvasive positive-pressure ventilation
SPO₂ = peripheral capillary oxygen saturation