HFNC in Bronchiolitis Guideline

Initiate HFNC @ Initial 1 lpm/kg and 21% Oxygen

Has the patient experienced clinical improvement?

**MAINTAIN:**
Initiate 4 hours of observation

- Already on max settings?
  - YES: Consider wean after 4 hours.
  - NO: Further evaluation

- Worsening tachypnea, dyspnea or hypoxia at any time?
  - NO: Further evaluation
  - YES: Wean FiO2:
    - Wean FiO2 to 21% (If already on 21% go directly to wean flow.)
      - NO: Return to previous flow
      - YES: Wean flow:
        - Cut flow in half
          - Monitor x4 hours

- Has the patient experienced clinical improvement?
  - NO: Further evaluation
  - YES: ESCALATE:
    - Increase to max flow rate. Maintain SpO2 >90%
      - At 4 hours, 2 of the 4 Transfer Criteria* are met?
        - NO: Return to previous flow
          - Monitor x4 hours
        - YES: CONSIDER TRANSFER

**TRANSFER CRITERIA:**
- HR: unchanged or increased, compared with HR at HFNC initiation.
- RR: unchanged or increased, compared with RR at HFNC initiation.
- WOB: unchanged or increased, compared with WOB at HFNC initiation.
- Oxygen requirement >40% to maintain SpO2 >90%
  * Consider earlier transfer in the setting of sustained clinical worsening on maximum flow.