

Heated Humidified High Flow Nasal Cannula Respiratory Care

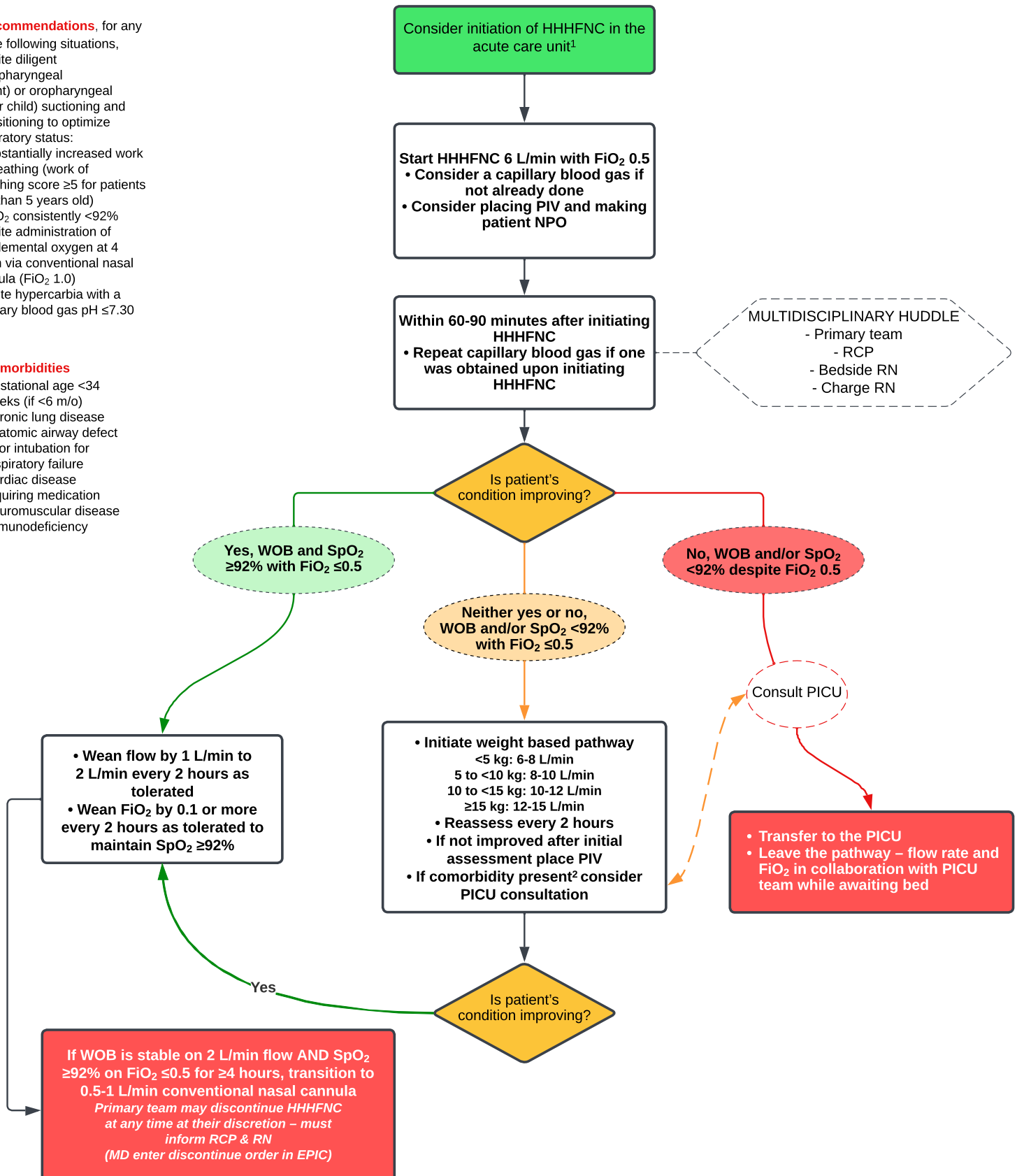
(C) BCH Emergency Department

¹ **Recommendations**, for any of the following situations, despite diligent nasopharyngeal (infant) or oropharyngeal (older child) suctioning and repositioning to optimize respiratory status:

- Substantially increased work of breathing (work of breathing score ≥ 5 for patients less than 5 years old)
- SpO₂ consistently $< 92\%$ despite administration of supplemental oxygen at 4 L/min via conventional nasal cannula (FiO₂ 1.0)
- Acute hypercarbia with a capillary blood gas pH ≤ 7.30

² **Co-morbidities**

- Gestational age < 34 weeks (if < 6 m/o)
- Chronic lung disease
- Anatomic airway defect
- Prior intubation for respiratory failure
- Cardiac disease requiring medication
- Neuromuscular disease
- Immunodeficiency



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Disclaimer: This algorithm serves as a guideline only and should not replace clinical judgment.