Clinical Practice Guideline for Bronchiolitis Management: PICU

1 Inclusion Criteria
- 1-24 months of age
- Exclusion Criteria:
  - Chronic Conditions
  - Toxic Appearance
  - Invasive mechanical ventilation

2 Isolation Guidelines
Enhanced Contact Droplet Isolation for the duration of symptoms per CHOA Guidelines:
- Symptom Based Isolation Precautions: IP 3-01
- Respiratory care of patients in Enhanced Contact Droplet Isolation
- Guidance to Remove Enhanced Contact Droplet Precautions

3 Respiratory
- Adjust flow to minimize work of breathing
- Adjust FiO₂ to maintain SpO₂ 90-96%
- While evidence does not support routine use of bronchodilators, may consider one-time trial of Racemic Epinephrine with close attention to clinical response. Racemic epinephrine is preferred over Albuterol. Do not repeat treatment if previously trialed in ED or IP and no improvement.
- If inhaled bronchodilator treatment trialed, document clinical response (CRS, Respiratory Assessment) CHOA Clinical Respiratory Score (CRS)
- Scheduled bronchodilators are not indicated

4 Notes and Recommendations
- Viral testing discouraged unless suspicion of influenza
- Antibiotics should not be administered to patients with Bronchiolitis unless there is concomitant bacterial infection or strong suspicion of one.
- Use of H2 blockers and PPI’s not indicated in routine bronchiolitis care
- PO feeding preferred if RR <60 and unlabored

5 Transfer/Discharge Criteria
- Patient must meet all transfer criteria:
  - Stable on flow settings and FiO₂ allowable on floor for ≥ 8 hours. See campus HFNC criteria: SR HFNC Guideline, EG/HS HFHC Guideline
  - Suctioning required no more than Q2 hours
  - No apneic events for ≥ 24 hours
- Patient must meet all discharge criteria to go home:
  - Ambient air≥4 hours with SpO₂≥90%
  - Adequate hydration
  - Parent verbalizes/demonstrates understanding of illness and home care
  - Parents able to follow-up with PCP within 48 hours

6 Patient/Family Education
- Nasal suctioning (teach back)
- Signs/symptoms of respiratory distress
- Guidelines for feeding
- Review bronchiolitis teaching sheet
- No smoking in home & avoidance of other environmental pollutants

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