# JPCH NICU Oxygen Reduction Test Flow Diagram



### Criteria:

·Born prior to 32 weeks gestational age ·Test performed during their 36th week corrected age ·Performed during the day, 30 minutes after a feed or medication.

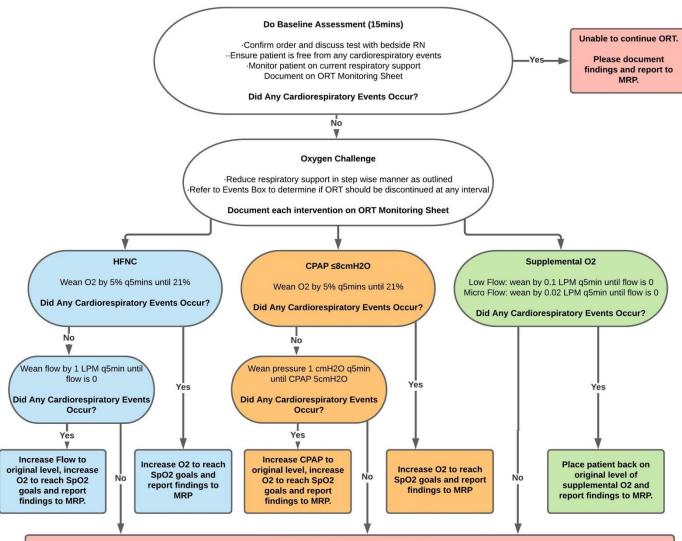
·Continuous feeds may continue during the test. ·Position supine for the duration of the test.

### **Exclusion Criteria:**

·Supplemental oxygen > 0.25 LPM when not heated and humidified ·>0.30 FiO2 (Nasal CPAP or HFNC) ·CPAP > 8 cmH2O

### **Cardiorespiratory Events:**

Sustained desaturation < 90% for > 5 consecutive minutes.
Desaturation < 80% for > 15 seconds.
Desaturation < 70% requiring stimulation.
Apnea (breathing cessation for > 20 seconds).
Bradycardia (heart rate < 80 bpm for > 10 seconds).
Severe bradycardia (HR <60 bpm)



## Post Challenge Assessment (30mins):

Remove respiratory support device from nares keeping it attached to patient face.

Observe patient for any cardiorespiratory events and place patient back on original respiratory support if any should occur.

.Chart q5mins during the post challenge.

·After 30 mins ORT complete - place patient on original settings and report findings to MRP.

Complete ORT Monitoring Sheet with patient results. When complete, place in the Clinical Data section of the patient's chart.

No BPD:An infant who is able to maintain SpO2 ≥ 90% throughout all three phases of the ORT

BPD:An infant who has events during the test, requiring resumption of O2 Therapy or respiratory support.

- Mild:Low flow at <0.1 LPM or blended gas at <1.5 LPM</li>
- Moderate:Low flow at ≥0.1 LPM or blended gas at ≥1.5 LPM with <30% O2 or NIV with <30% O2
- Severe:Blended gas at ≥1.5 LPM with ≥30% O2 or NIV with ≥30% O2