

Guidelines for Pediatric & Neonatal FIO2 Adjustment

Purpose	Guidelines for Oxygen Titration for Neonates and Pediatrics
Audience	Respiratory therapy, Nursing staff, Providers
Equipment	Blender, SIPAP/CPAP, Ventilator, Neonatal High Flow Nasal Cannula
Exclusions	Pediatric High Flow Nasal Cannula

Procedure

Step	Action
	Patient's Pulse Oximetry Saturation (SPO2) is at or above ordered SPO2 follow the below steps for weaning if applicable.
1	Reduce Fio2 in 1%-10% increments allowing at least 5 minutes between adjustments
2	Stop weaning if patient falls below target saturations, has increased work of breathing, apnea or becomes hemodynamically unstable. Return to previous FIO2 settings.
	Patient SPO2 is below ordered SPO2 or has increased work of breathing, apnea or becomes hemodynamically unstable follow the below steps
1	Increase FIO2 in 1%-10% increments allowing 5 minutes between adjustments.
2	Notify provider for • sustained increases in FIO2 >20% • SPO2 less than ordered SPO2 on FIO2 $\geq$ 60%