



























# Weak Chest Wall



























NRP Targeted O2 Sat Parameters		
1 min	60-65%	
2 min	65-70%	
3 min	70-75%	
4 min	75-80%	
5 min	80-85%	
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# High Flow Nasal Cannula

- About
- Indications for
- Best candidates
- Special considerations
- Troubleshooting
- Weaning



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# HFNC: About Nasal cannula that delivers heated and humidified "high flow" (>1 L/minute) with or without oxygen Used extensively for older children with viral respiratory infections Use in NICUs increasing due to: Relative ease of use Easier access to the baby's face Less bulky Less skin trauma than CPAP

































































## CPAP and Skin Considerations



















































### Blood Gases

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### Blood Gases

	Arterial	Capillary
pH*	7.30 - 7.45	Same
PCO <sub>2</sub> *	35 - 45 mmHg	35 - 50 mmHg
PO <sub>2</sub> (on room air)	60 – 80 mmHg	(not useful)
HCO <sub>3</sub> Bicarb	19 – 26 mEq/L	19 – 26 mEq/L
Base Excess	-4 to +4	-4 to +4

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\*preterm infants have lower acceptable pH, and higher  $\mathrm{CO}_2$ 

Health-vic.gov.au, (2015). Blood.gui interpretation for monate: Neonatal elandbook - Department of Health and Human Streine, Victoria, Australia, Retrieved 13 October 2015, from http://www.health.vice.org.av.ar/neonataliandbook/pathology/blood-gas-interpretation.htm

















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