NRP Updates & Neonatal Cases

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NNEPQIN
WINTER CONFERENCE
FEBRUARY 15, 2024

NNEPQIN NORTHERN NEW ENGLAND PERINATAL QUALITY IMPROVEMENT NETWORK

Disclosure

I have no financial arrangements or affiliations to disclose.

I will not be discussing the unlabeled use of a commercial product.

Acknowledgement

I work and reside on the ancestral homeland of the Abenaki Nation.

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Session Agenda / Topics

Follow-through from the Fall Conference
- LMA sizing (Air-Q) & other pragmatic issues

What's in your Newborn Code Cart?
- Off unit births: NRP on the go.

Providing CPAP
- Adjusting and verifying PEEP/CPAP

Cases

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LMA Use

Empowering Nurses to Rescue Newborns

Purpose	To increase awareness of LMA safety and efficacy
Methods	Systematic review; guideline recommendation process (NRP); review of nursing scope of practice
Results	Supports NRP (8th edition) recommended use of LMA as rescue airway with PPV failure Supports LMA use a effectively superior to face-mask ventilation
Speculation	LMA may be the effective *initial* PPV device for infants 34 weeks' gestation or more

Zaichkin J, McCarney LD, Rhein M. The Laryngeal Mask: Empowering Nurses to Rescue Newborns. *Adv Neonatal Care*. 2023 Apr 1;23(2):140-150. doi: 10.1097/ANC.0000000000001044. Epub 2022 Nov 10. PMID: 36354321.

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LMA Use

2023 AHA & AAP Focused Update

Take-Home Message (#10)

Use of a supraglottic airway may be considered as the primary interface to administer positive-pressure ventilation instead of a face mask for newborn infants delivered at ≥ 34 0/7 weeks' gestation.

Yamada NK, Szyld E, Strand ML, et al. 2023 American Heart Association and American Academy of Pediatrics Focused Update on Neonatal Resuscitation: An Update to the American Heart Association Guidelines for Cardiopulmonary Resuscitation and Emergency Cardiovascular Care. *Circulation* 2023;149: e157-e166. https://doi.org/10.1161/CIR.0000000000001181

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LMA Use

Products / Anesthesia / Airways / Laryngeal Mask Airway / Air-Qsp3 Intubating Laryngeal Airway, Self-Pressurizing

Air-Qsp3 Intubating Laryngeal Airway, Self-Pressurizing

Includes self-pressurizing cuff that utilizes positive pressure ventilatory source.

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Securing the LMA

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Securing the LMA

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Securing the LMA

#1 - Moustache

#2 - Wrap - around

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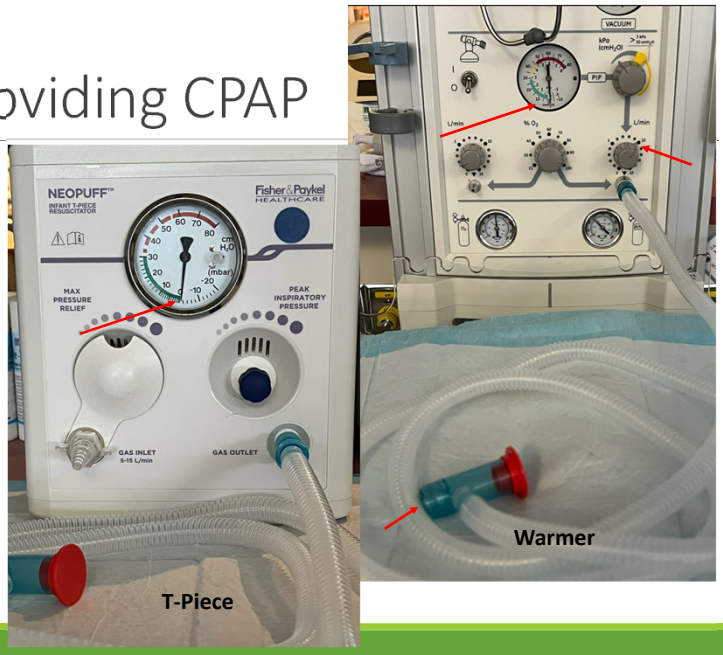
What's in Your Code Cart?

		DRAWER # 1 – Intubation
	1	Pediatric Fiber-optic Laryngoscope Handle
	1	Size 00 Fiber-optic Straight Blade
	1	Size 0 Fiber-optic Straight Blade
	1	Size 1 Fiber-optic Straight Blade
	3	Size 2.5 ET Tubes Uncuffed
	3	Size 3.0 ET Tubes Uncuffed
	3	Size 3.5 ET Tubes Uncuffed
	2	Pediatric End-Tidal Adaptor (Pedi Cup 02)
	2	Batteries AA (to fit handle)
	4	Infant Stylets
	1	Scissors
	2	Roll 1" Adhesive Cloth Tape Johnson & Johnson
	2	Benzoin Swabs
	2 pkg	Tegaderm (55409)
	1	Plastic Bag (for dirty handle) small
Resp	1	Oral Airway 000
Resp	1	Oral Airway 00
Resp	1	Oral Airway 0
Resp	1	Oral Airway 1
		NOTE: Rubber Band the following three items together:
CSR	2	**Aspirator, Meconium
CSR	1	** 10fr. Suction Catheter w/o Control Value (CT01/03/09)
CSR	1	Adaptor, 3 mm Endo Tube
CSR	2	Sensor LNCS Newborn Neonate
Resp	1 Strip	Replacement Tapes (Set of 3)
Resp	1	Key, 02 Tank
	1	LMA Size 1.0 (rubber band with next item)
	1	10 cc syringe

Providing CPAP



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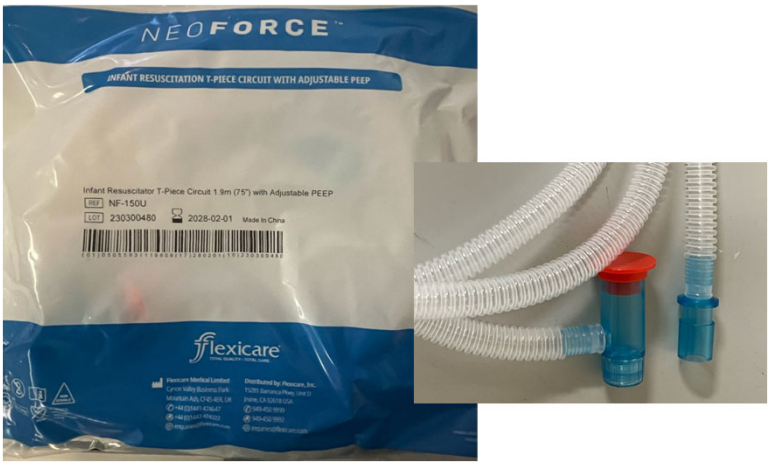
The Tubing



Case Discussion

Audience presentation