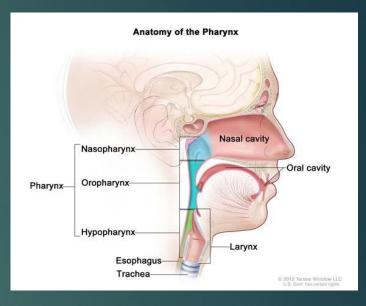
### Laryngeal Mask Airway: Implications for WA State LMs JESSICA EDENS MAWS CONFERENCE, SPRING 2015

## Laryngeal Mask Airway







#### Photo credits available by request.

## Research Overview

- Personal Interest
- ► Literature Review
  - Meta-Analysis
- Recruitment
  - ▶ 60 LMs, 11 responses, 7 interviews
- Interviews
- Results
  - 2 LMs had training
  - ▶ 5 LMs interested in training

Laryngeal Mask Airway for Neonatal Resuscitation: Knowledge, Attitudes, and Practices of

Washington State Licensed Midwives

Jessica Edens

A Master's Project in partial fulfillment of the requirements of the degree of Master of Science in

Midwifery from Bastyr University

March 4, 2015

## Is the LMA effective?



509 singleton newborn 34 weeks gestation or greater, 4 RCTs

275 LMA	234 BMV
4 (1.4%) needed ET	28 (12%) needed ET
4 (1.4%) unsuccessful	31(13.2%) unsuccessful

Schmölzer, G., Agarwal, M., Kamlin, C., & Davis, P. (2013). Supraglottic airway devices during neonatal resuscitation: An historical perspective, systematic review and metaanalysis of available clinical trials. Resuscitation, 84(6), 722-730. Retrieved from http://www.sciencedirect.com/science/article/pii/S0300957212008866

## Is the LMA safe for LMs to use?



#### 52 paramedics, 2 hours training

	ETT	LMA
Insertion time	46s	23s
Incorrect placement	34%	9.5%
Provider preference	12	40

Chen, L., & Hsiao, A. L. (2008). Randomized trial of endotracheal tube versus laryngeal mask airway in simulated prehospital pediatric arrest. Pediatrics, 122(2), e294–7. doi:10.1542/peds.2008-0103

## Is the LMA recommended?



Supported by American Academy of Pediatrics and American Heart Association

- Chapter 6
- "should be present at all births"

**European Resuscitation Council**: "In the absence of personnel skilled in tracheal intubation, a supraglottic airway device (e.g. LMA) is an acceptable alternative."

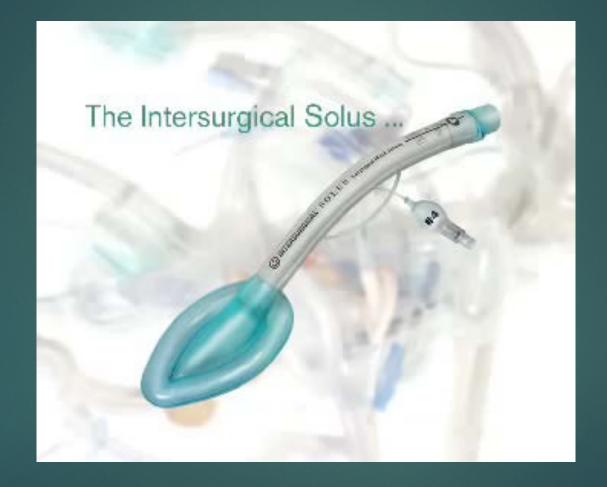
Kattwinkel, J. (Ed.). (2011). Neonatal resuscitation (6th ed.). Elk Grove Village, IL: American Academy of Pediatrics.

Nolan, J., Soar, J., Zideman, D., Biarent, D., Bossaert, L., Deakin, C., Koster, R., Wyllie, J., & Bottiger, B. (2010). European resuscitation council guidelines for resuscitation 2010. *Resuscitation*, *81*(10), 1219-1276. Retrieved from http://www.sciencedirect.com.buproxy.bastyr.edu:2048/science/article/pii/S0300957212007496

## Is the LMA in the LM scope of practice?



## Video



# Where can I receive further LMA training?

- Anywhere you can take the entire NRP course
  - UW Isis lab
  - Swedish
  - Seattle Children's
  - Sacred Heart Medical Center, Spokane