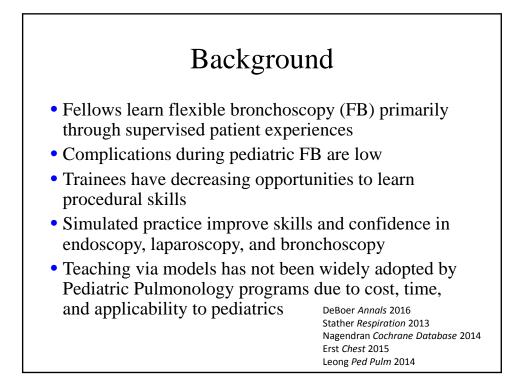
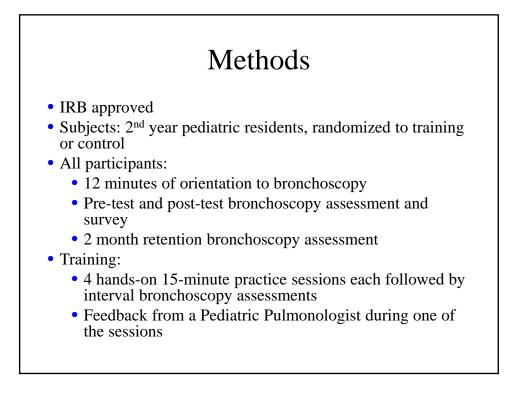


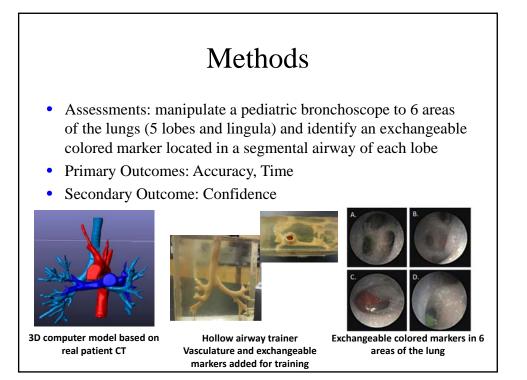
How did you learn flexible bronchoscopy?

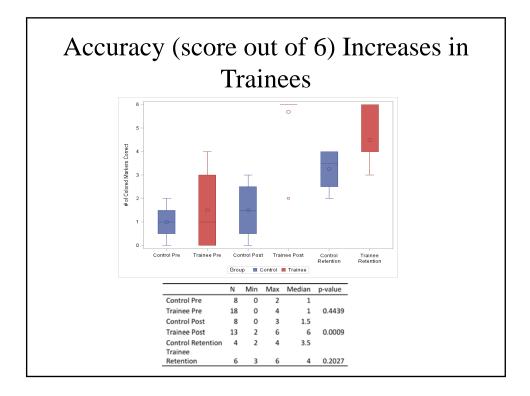


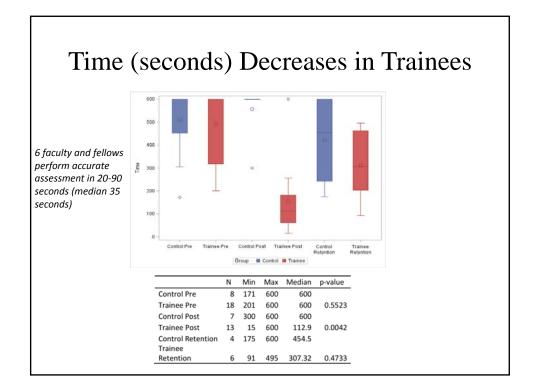
Hypothesis & Aims

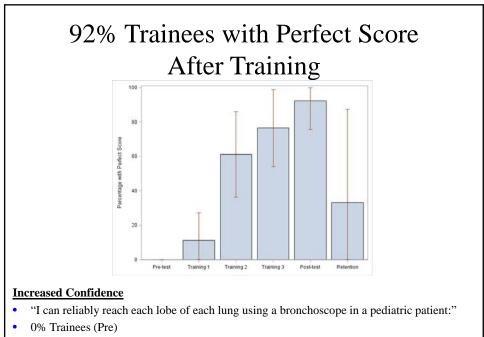
- We hypothesize that with less than 2 hours of training with our model, novice learners will be able to <u>accurately</u> identify lobar bronchi in significantly decreased <u>time</u> compared to residents without training.
- Aim 1) Estimate amount of training required for novice learners to accurately identify 6 areas of the airway model.
- Aim 2) Determine if trainees retain airway anatomy knowledge and basic FB manual skills 2-3 months after training
- Secondary outcome: Confidence











• 92% Trainees (Post)

Conclusions

- Pediatric resident trainee skill, anatomy knowledge, and confidence significantly increased over 1 month
- 92% of trainees identified all lobes successfully in less than 2 hours of training
- A short amount of self-directed learning improves basic FB skills with limited faculty time
- Practice on this trainer may decrease procedural time and anesthesia time

Next Steps

- We hypothesize that trainees can progress to advanced FB skills sooner and more safely
- Further studies are needed to validate that FB skills transfer from the trainer to patients
- Coordination with a simple checklist to classify bronchoscopy skills with multisite validation
- We want to collaborate!

Thank you!

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