

Bringing Double Stage Laryngotracheoplasty Education to Life: Utilizing Animation to Improve Pre-Op Patient Education

A Quality Improvement Project

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Financial Disclosures

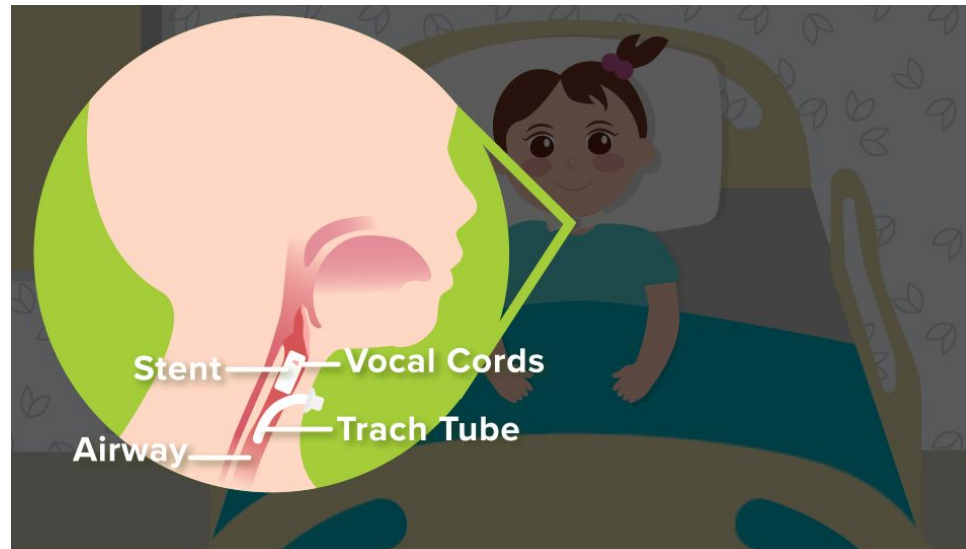
- I do not have any financial disclosures or affiliations within the last 24 months to declare

Learning Objectives

- Identify key gaps and challenges in double stage LTP education
- Demonstrate how animation can be used to enhance pre and post-operative education for pediatric patients and families

Double Stage Procedures by the Numbers

- At CCHMC, we performed 33 double stage LTP operations last year
- Of these patients, 22 received an LTP surgery for the first time



Finding the Gaps

- To determine where we could improve our education, we developed a retrospective survey which we sent to families of patients who received a double stage procedure within the last year
- The survey consisted of 21 yes/no questions with space to include additional comments as well as questions about their preferred learning style

The Results

PARENTS' UNDERSTANDING AND PERCEPTIONS OF SURGERY

33%

did not feel like enough
time was spent with them
preparing for surgery

33%

did not feel prepared for
surgery and the post-op
period

16%

did not understand their
child would have increased
secretions after surgery

33%

did not understand that their child
may have difficulty managing
secretions after surgery

16%

did not understand their child may
have issues with vomiting after
surgery

16%

did not understand that despite
having a normal swallow prior, that
their child may have issues with
aspiration with the stent in place

16%

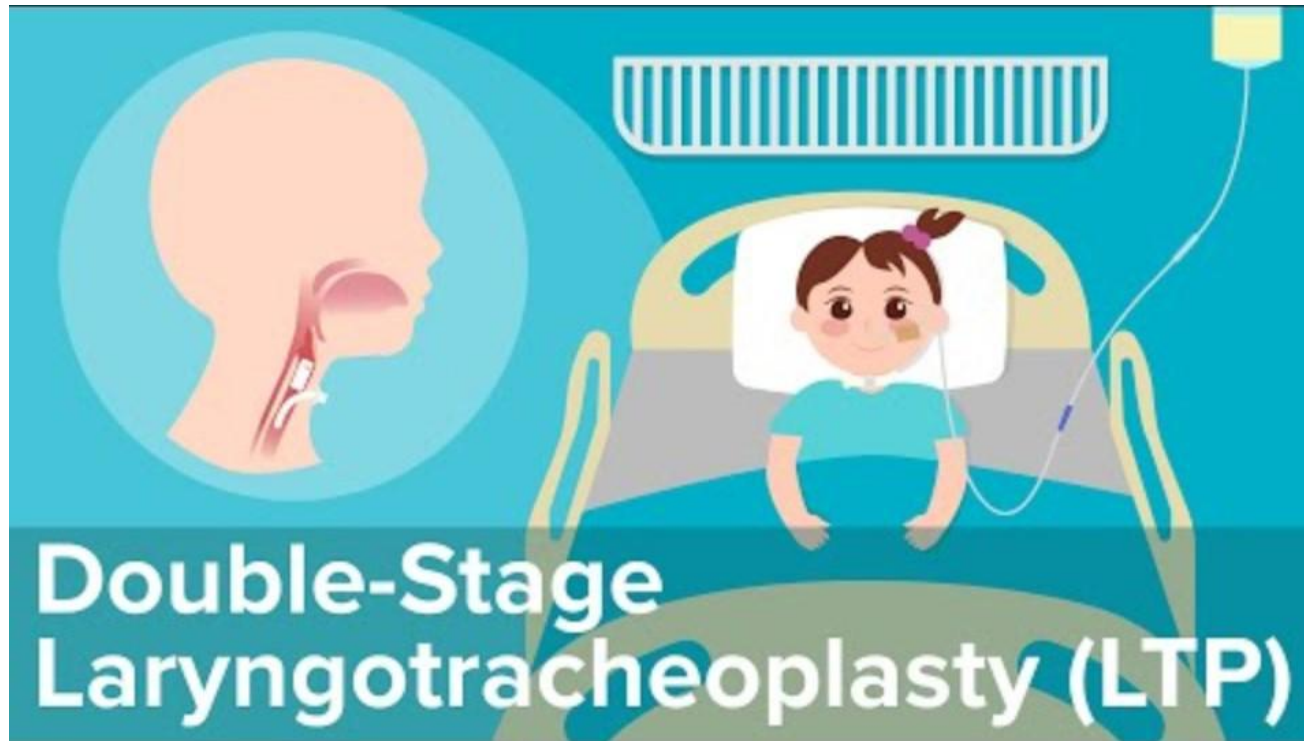
did not understand that their child's
voice may change after surgery or
there may be a change in how they
communicate

To the Drawing Board (Literally)

- With the results in hand, we reached out to the animation team at CCHMC to create a visual learning aide
- The first step was creating a script to encompass the most important learning points
- Once the script was edited, a voiceover was completed. We received samples from multiple artists; an audiobook lovers dream!

To the Drawing Board (Literally)

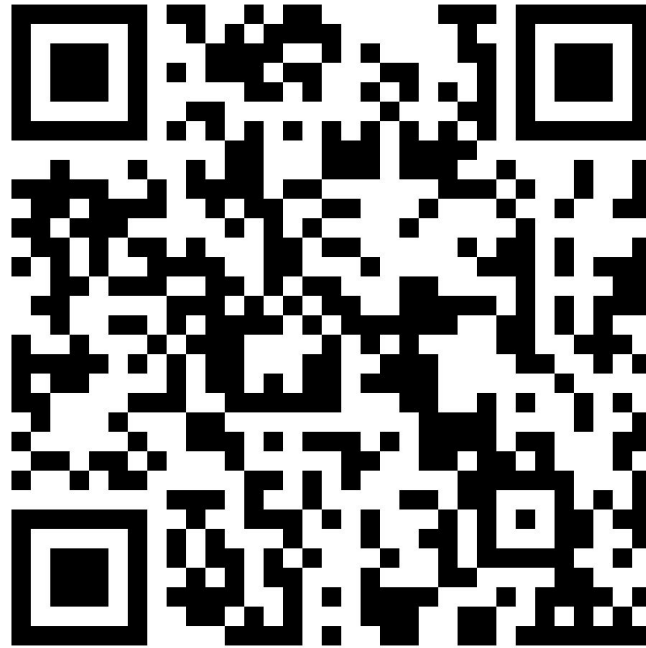
- Our Animation Team brought our ideas to life and created a tool that we hope will greatly improve our patient and family experience



What's Next?

- We have requested that all those who initially filled out the survey watch the animation and provide their feedback
- Additionally, we are requesting feedback from families of new dsLTPs who reviewed the video prior to surgery
- This data will be aggregated, analyzed, and used to further improve and adjust our educational targets

Any Questions?



<https://youtu.be/8YLDsg9qz9A>