Outpatient Management of Swallowing in an Infant Neuromuscular Patient

In this course Dr. McGrattan will demonstrate how she incorporates evidence into practice, and uses theory supported by interdisciplinary collaboration to guide clinical decision making in its absence using a neuromuscular patient case. This includes highlighting the critical information clinicians must understand prior to making management decisions for neuromuscular patients, with particular focus on those for Spinal Muscular Atrophy. She will then take audience members on the outpatient management decisions of an infant with spinal muscular atrophy from 5 weeks old to the present at two years. This includes videofluoroscopic swallow study images and functional respirator, weight gain, and feeding quality and comfort outcomes.

Dr. Katlyn McGrattan

Dr. McGrattan is an Assistant Professor in the Department of Speech-Language-Hearing Science at the University of Minnesota with a clinical appointment at Masonic Children’s Hospital. She completed doctoral training in Health & Rehabilitation Science at the Medical University of South Carolina, and post-doctoral training in Neonatal Gastroenterology at Nationwide Children’s Hospital and Pediatric Otolaryngology at Medical University of South Carolina. Her research focuses on developing more refined methods for pediatric dysphagia assessment that enable more accurate diagnosis and determination of treatments that will maximize therapeutic effects. This includes elucidating clinical characteristics of how healthy non dysphagic infants feed as well as developing new technologies to allow more precise diagnostics.

Disclosures:
Financial – Dr. McGrattan is employed by the University of Minnesota and receives a salary. She receives grant funding from Biogen and Genentech. She also receives funding from Novartis for consulting. She received a speaking fee from the AB-SSD for this presentation.
Non-financial – No relevant disclosures exist.

Learning Objectives:
- Identify 3 main questions clinician’s must be able to answer regarding a patient’s neuromuscular disorder to be able to appropriately evaluate and treat swallowing.
- Name the times of fluoroscopic visualization in the Charleston Protocol.
- Describe how telehealth can be incorporated with in person clinical care to maximize outcomes.

Agenda:
Overview of Spinal Muscular Atrophy - 5 mins
Standardized Swallow Study Assessment - 10 mins
Virtual Monitoring for Respiratory Health – 5 mins
Treatment Decision Making with No Clear-Cut Answers – 5 mins
Specificity Surrounding Thickening Recommendations - 5 mins
Determinants for Weaning and Allowing Imperfections - 15 mins
Closing Remarks – 15 min