Neuromuscular Electrical Stimulation in the Treatment of Dysphagia

Clinical Highlights

Thank you for your interest in Ampcare's Effective Swallowing Protocol (ESP™). We are happy to share highlights on peer-reviewed research utilizing ESP.

1. Findings demonstrate that providing intensive dysphagia therapy in 30 minutes is possible within inpatient, outpatient and/or home health settings, resulting in significant and functional improvements in swallow safety and an increase in swallow-related quality of life.
    a. ***Pownall et al 2012***
    b. ***Sproson et al 2018***
    c. ***Martindale et al 2019***

    PDPM Importance – supporting better/faster outcomes in 30-minutes also resulting in more cost-effective treatment sessions.

2. Findings demonstrate that patients reported clinically and statistically significant improvements in their swallow-related quality of life using SWAL-QoL (standardized patient outcome measure).
    a. ***Pownall et al 2012***
    b. ***Sproson et al 2018***
    c. ***Martindale et al 2019***

    PDPM Importance – improving the quality of reporting outcomes by adding the patient's perspective.

3. Findings demonstrate that ESP is the only technology shown to facilitate the swallowing mechanism, strengthen the anterior neck musculature and speed up airway closure times for the treatment of dysphagia.
    a. ***Campbell et al 1998***
    b. ***Safi et al 2010***
    c. ***Watts 2013***
    d. ***Matsumoto et al 2016***
    e. ***Watts et al 2018***
    f. ***Arslan et al 2018***

    PDPM Importance – the ability to measure progress with standardized outcome methodologies.

* Campbell et al 1998 and Polansky et al 2008 were funded by Ampcare, LLC. Five of the seven research studies after 2008 were completely independent of Ampcare, LLC. On the other two, Ampcare, LLC funding was less than 3%. Individual breakdowns can be found in the acknowledgments section in each publication.