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## **Jeffrey B. Palmer, MD**

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Research Support: Fujita Health University; NIH  
Royalty: Ishiyaku Publishers; Johns Hopkins University Press  
Speaker fee: Japanese Association of Rehabilitation Medicine  
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## **David Paydarfar, MD**

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## **Jay Rosenbek, PhD, CCC-SLP, BC-NCD**

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Board Member: DRS Archivist

## **Michelle S. Troche, PhD, CCC-SLP**

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Grant Support: NIH; MJ Fox Foundation  
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*All other faculty members, program planners and staff have indicated that they do not have any relevant financial relationships with commercial interests to disclose in regard to their presentations and/or participation in the planning process of the 25th DRS Annual Meeting and Post-Graduate Course. Disclosures for Scientific Session presenters and co-authors will be listed here: [http://www.dysphagiaresearch.org/resource/resmgr/Meeting\\_Files/DRS\\_2017\\_Annual\\_Mtg\\_and\\_Post.pdf](http://www.dysphagiaresearch.org/resource/resmgr/Meeting_Files/DRS_2017_Annual_Mtg_and_Post.pdf).*

**DYSPHAGIA RESEARCH SOCIETY ANNUAL MEETING  
MARCH 2 - 4, 2017  
THE HILTON PORTLAND & EXECUTIVE TOWER  
PORTLAND, OREGON**

**SCIENTIFIC PAPER DISCLOSURES**

**TITLE:** Oral Health Screening by Speech and Language Pathologists (SLPs) Using the Oral Health Assessment Tool (OHAT)

**AUTHORS/INSTITUTIONS:**

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**RELEVANT NON-FINANCIAL RELATIONSHIPS:** Yan Shan Lee: Nothing to Disclose | Xin Ying Yap: Nothing to Disclose | An An Chia: Nothing to Disclose | Seng Mun Wong: Nothing to Disclose

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**TITLE:** Effects of Tooth Brushing on Parotid and Submandibular/Sublingual Gland Salivary Flow Rates in Healthy Young and Older Adults

**AUTHORS/INSTITUTIONS:**

N. Johnson, R.E. Martin, Faculty of Health Sciences, Western University , London, Ontario, CANADA;  
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**TITLE:** The relationship between oral bacteria, cough reflex sensitivity and aspiration pneumonia in patients with acute stroke.

**AUTHORS/INSTITUTIONS:**

S.E. Perry, Biobehavioral Sciences, Columbia University, New York, New York, UNITED STATES;  
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**RELEVANT NON-FINANCIAL RELATIONSHIPS:** Sarah Perry: Nothing to Disclose | Geoffrey Tompkins: Nothing to Disclose | Maggie-Lee Huckabee: Nothing to Disclose

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**TITLE:** Predictive value of the New Zealand Secretion Scale (NZSS) for pneumonia.

**AUTHORS/INSTITUTIONS:**

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**TITLE: PSYCHOMETRIC EVALUATION OF A NEW FUNCTIONAL DIET SCALE FOR DYSPHAGIA**

**AUTHORS/INSTITUTIONS:**

C.M. Steele, A.M. Namasivayam, B.T. MacKichan, Swallowing Rehabilitation Research Laboratory, Toronto Rehabilitation Institute - University Health Network, Toronto, Ontario, CANADA;

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**TITLE: Oral simulator quantifies intra-bolus pressures, flow speeds and bolus clearance differences between starch and gum thickeners**

**AUTHORS/INSTITUTIONS:**

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**TITLE: Using dehydrated collagen gel to deliver basal cells to regenerate the epithelial lining in tissue-engineered laryngeal implants**

**AUTHORS/INSTITUTIONS:**

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**RELEVANT NON-FINANCIAL RELATIONSHIPS**: Nick Hamilton: Nothing to Disclose | Sam Janes: Nothing to Disclose | Martin Birchall: Nothing to Disclose

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**TITLE:** Airway protective behaviors and clinical swallow function in children with cerebral palsy and healthy controls

**AUTHORS/INSTITUTIONS:**

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**TITLE:** New Insights into Swallowing Biomechanics from a Macaque Model System: Evidence for Eccentric Muscle Activity and the Importance of Fiber Rotation

**AUTHORS/INSTITUTIONS:**

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**TITLE:** Tongue Exercise Training Alters Biochemical Properties of Intrinsic Tongue Muscles

**AUTHORS/INSTITUTIONS:**

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**TITLE:** Preserved Pharyngeal Stripping Wave is Associated with Better Pharyngeal Esophageal Segment Opening

**AUTHORS/INSTITUTIONS:**

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**TITLE:** The association of pressure events and kinematics during swallowing: simultaneous recording using high resolution manometry and 320-row area detector computed tomography

**AUTHORS/INSTITUTIONS:**

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**TITLE:** Effect of Maximum and Minimum Effort Swallowing on Submental Surface Electromyographic Activity in Healthy Adults

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**TITLE:** Inspiratory Muscle Fatigue affects respiratory-swallowing dynamics.

**AUTHORS/INSTITUTIONS:**

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**RELEVANT NON-FINANCIAL RELATIONSHIPS:** Ioanna Malatra: Nothing to Disclose

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**TITLE:** Cerebral magnetic resonance imaging in children with cerebral palsy and dysphagia

**AUTHORS/INSTITUTIONS:**

L. Oliveira, W.V. Nascimento, L. P Valarelli, C. Carla A C T Caldas, R.O. Dantas, Ribeirão Preto Medical School, SAO SEBASTIAO DO PARAISO, MG, BRAZIL;

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**TITLE:** Effectiveness of Technitium Scintigraphy in comparison to VFSS at identifying Pulmonary Microaspiration.

**AUTHORS/INSTITUTIONS:**

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**TITLE:** A Feasibility Study to Quantify the Amount and Duration of Aspiration into the Lungs of Infants Using Gamma Scintigraphy

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**TITLE:** Effortful swallow and its affects on pharyngeal volume: Kinematic analysis using 3D dynamic Computed Tomography

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**TITLE:** The effect of frame rate on ratings of swallowing function in acute stroke patients

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**TITLE:** A STANDARDIZED, FREELY-BEHAVING CANINE VIDEOFLUOROSCOPIC SWALLOW STUDY PROTOCOL

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**TITLE:** The use of 5Hz rTMS to improve swallowing functions in chronic post-stroke dysphagia

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**TITLE:** Intraoperative Vagal Nerve Stimulation as a Potential Therapeutic after Recurrent Laryngeal Nerve Injury in a Mouse Model

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**TITLE:** The effect of laryngeal nerve transection on swallowing function in a mouse model

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**TITLE:** The effect of transcranial magnetic stimulation on swallowing function and quality of life of patients with stroke

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**TITLE:** The impact of recurrent laryngeal nerve lesion on muscle function and sensorimotor integration

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**TITLE:** The influence of cerebellar transcranial direct current stimulation (tDCS) on motor learning in swallowing

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**TITLE:** Swallowing with Noninvasive Positive Pressure Ventilation (NPPV) in individuals with Muscular Dystrophy

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**TITLE:** Four Dimensional Simulation Movies Clarify Swallowing Biomechanics of Epiglottic Rotation and Esophageal Opening

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**TITLE:** Pharyngeal swallowing pressure variability is an age-, volume-, and region-dependent phenomenon

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**TITLE:** Safety and tolerability of high-resolution manometry in speech pathology practice

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**TITLE:** Perceived Role of the Speech-Language Pathologist in Adoption of Pharyngeal High-Resolution Manometry

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**TITLE:** Maximal Isometric Pressures (MIP) of the tongue in healthy Belgian teenagers: influence of age, sex, location, visual feedback and order.

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**TITLE:** The Pharyngeal Contractile Integral is a Useful Indicator of Pharyngeal Swallowing Impairment Regardless of Pharyngeal Length

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**TITLE:** Tongue pressure production and submental surface electromyogram activities during tongue-hold swallow with different holding positions and tongue flexibility.

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**TITLE:** Prevalence of Dysphagia and Malnutrition in Geriatric Patients

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**TITLE:** Relationships between Dysphagia and Other Motor Functions in Community Dwelling Older Adults

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**TITLE:** How Swallow Pressures and Dysphagia Affect Malnutrition and Mealtime Outcomes in Long Term Care

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**TITLE:** MECHANISMS OF TRANSIENT LARYNGEAL PENETRATION IN SAFE SWALLOWS

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**TITLE:** Enteric neurons of the esophagus: an immunohistochemical study using donated elderly cadavers

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**TITLE:** Tongue strengthening exercises (TSE): the effect of exercise frequency on Maximum Isometric Tongue Pressures (MIP) and maximum Swallowing Pressures (Pswal) in healthy elderly

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**TITLE:** Swallowing Function in Patients Treated with Dose De-escalation for Adjuvant Chemoradiation in HPV Associated Oropharynx Squamous Cell Carcinoma

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**TITLE:** How much pharyngeal propulsion is required to enable intrabolus pressure to accurately predict pharyngoesophageal stricture?

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**TITLE:** “SwallowIT”: A randomised controlled trial investigating the delivery of prophylactic swallowing therapy to head/neck cancer patients via telepractice

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**TITLE:** Efficacy of Preventive Swallowing Exercises in Advanced Squamous cell cancers of Oropharynx, Larynx and Hypopharynx treated with Chemoradiotherapy: A Prospective Randomized Controlled Study

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**TITLE:** Cerebral Activation Before And After Glossectomy

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**TITLE:** A Prospective Study on Objective Measurements of Pharyngeal Contractility Using Fiberoptic Endoscopic Evaluation of Swallowing (FEES) in Post-irradiated Nasopharyngeal Carcinoma (NPC) Patients with Dysphagia

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**TITLE:** Aural stimulation with capsaicin ointment improved the swallowing function in patients with dysphagia: a randomized, placebo-controlled, double-blind, comparative study.



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**TITLE:** The impact of carbonation on neurogenic dysphagia during VFSS (Videofluoroscopic swallow studies).

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**TITLE:** THE EFFECT OF TEXTURE VARIATION ON PENETRATION-ASPIRATION IN PATIENTS WITH NEUROGENIC DYSPHAGIA

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**TITLE:** Feedforward Effects Of Bolus Size On Laryngeal Positioning Before And During Swallowing

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**TITLE:** COMPARING SWALLOWING EFFICIENCY BY AGE, GENDER, BOLUS CONSISTENCY, AND TASK

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**TITLE:** Rethinking Residue: Determining the Perceptual Continuum of Residue on FEES to Enable Better Measurement

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**TITLE:** Instrumental Swallowing Evaluations in the NICU: FEES Compared to VFSS

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**TITLE:** The effects of age on swallowing function as assessed by the modified barium swallow impairment profile (MBSImPTM©)

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**TITLE:** Comprehensive swallowing rehabilitation after full face transplantation: A case report

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**TITLE:** Time-Dependent Variations in the Flow of Matched Starch- and Gum-Thickened Liquids

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**TITLE:** Dysphagia Symptoms and Quality of Life (QOL) in Patients with Marfan Syndrome

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**TITLE:** Dysphagia after Transoral Robotic Surgery (TORS) for Oropharyngeal Cancer: Findings from a Longitudinal Prospective Study

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**TITLE:** EFFECTIVE DOSE PER UNIT KERMA AREA PRODUCT CONVERSION FACTORS IN ADULTS UNDERGOING MODIFIED BARIUM SWALLOW STUDIES

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**TITLE:** An investigation of the prevalence and impact of dysphagia on quality of life in patients with advanced lung cancer.

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**TITLE:** Comparing post-operative aspiration risk in single versus double lung transplant patients

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**TITLE:** Utility of Pulse Oximetry in Detecting Aspiration - Evidence Based Systematic Review

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**TITLE:** The Incidence of Aspiration in Infants with Single Ventricle Physiology Following Hybrid Procedure

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**TITLE:** Signals and symptoms of dysphagia in cleft lip and palate children pre and post-surgery correction

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**TITLE:** Intensive Care Unit: clinical complications of dysphagia

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**TITLE:** The Austin Swallowing Ability Profile for FEES (ASAP-FEES)

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**TITLE:** A comparison of Videofluoroscopy and Fiberoptic Endoscopic Evaluation of Swallowing (FEES) post laryngectomy.

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**TITLE:** Cranial nerve stimulation and its effects on swallowing

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**TITLE:** Anodal transcranial direct current stimulation alters excitability of the floor of mouth cortical motor representation

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**TITLE:** Effects of Lung Volume on Swallowing in Chronic Obstructive Pulmonary Disease

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**TITLE:** Swallowing Physiology Following Anterior and Posterior Cervical Spine Surgery

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**TITLE:** Swallowing Quality of Life Outcomes following Partial Glossectomy: A Multi-Institutional Study of the Head and Neck Research Network

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**TITLE:** Residues and time clearing: are these parameters correlated in expressing dysphagia severity? The timed pooling score (tp-score): preliminary considerations.

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**TITLE:** Characterization of Dysphagia Onset and Progression in a Mouse Model of Amyotrophic Lateral Sclerosis (ALS)

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**TITLE:** Inflammatory response and nutritional status in patients with and without laryngeal penetration/laryngotracheal aspiration

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**TITLE:** Does age, electrode placement, or visual feedback effect the command to swallow initiation of a normal typical swallow?

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**TITLE:** Do electrode placements effect surface electromyography stability?

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**TITLE:** Oropharyngeal Swallowing Impairment in Patients with ALS

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**TITLE:** Pharyngeal swallow timing changes in the rotenone model of Parkinson's disease in rats

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**TITLE:** Characteristics Associated with Speed of Recovery and Long-Term Outcomes after Supracricoid Partial Laryngectomy

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**TITLE:** Impact of Rotenone Induced Parkinson's Disease on Chewing Kinematics

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**TITLE:** Pharmacologic Treatment Changes Sensory Mechanisms of Airway Protection in Parkinson's Disease

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**TITLE:** The influence of age, gender, location, visual feedback and consistency on lingual swallowing pressures (Ps) in healthy Belgian adolescents.

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**TITLE:** The development and reliability of the New Zealand Secretion Scale

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**TITLE:** Judging the MASA-C cut-off value for dependent oral cancer patients

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**TITLE:** Effect of body posture on chewing behaviors in healthy volunteers

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**TITLE:** Current Trends in Reporting of Swallowing Outcomes in Oropharyngeal Cancer Studies

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**TITLE:** Correlates of early high-resolution manometry adoption in speech-language pathologists

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**TITLE:** Factors affecting aspiration in chew-swallow

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**TITLE:** The Effect of Biofeedback and Exercise Target on Cortical Hemodynamic Response

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**TITLE:** The non-oral intake period correlates reduction of base-of-tongue volume and radiotherapy-induced dysphagia among the patients with pharyngeal cancer underwent definitive chemo-radiotherapy.

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**TITLE:** Swallowing simulation revealed that high resolution manometry estimated total value of forces originated from organ contact, bolus contact and bolus flow

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**TITLE:** Effects of pharyngeal and submental injuries on swallow function

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**TITLE:** An Immersive and Simulation-based Learning approach to a Flexible Endoscopic Evaluation of Swallowing (FEES) training course

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**TITLE:** The Influence of Saliva on Swallowing Function: A Systematic Review

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**TITLE:** Effects of Neuromuscular Electrical Stimulation (NMES) on Salivary Flow in Healthy Adults

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**TITLE:** Patient adherence to dysphagia therapy and recommendations: a systematic review

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**TITLE:** Dysphagia Research in India: A Status Report

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**TITLE:** Measures of upper esophageal sphincter function in videofluoroscopy and high-resolution manometry: subject variance within and across sessions

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**TITLE:** How Accurate are Clinician's Ratings of Residue?

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**TITLE:** Effects of Surgery vs Surgery ± Adjuvant therapy vs. Primary Chemoradiotherapy on Jaw Opening and QOL in Oropharyngeal Cancer Patients

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**TITLE:** Moral distress: dual identities of health care professionals working with people with dysphagia

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**TITLE:** DOUBLE-BLIND RANDOMIZED CLINICAL TRIAL ASSESSING AN STANDARDIZED ORAL STIMULATION PROGRAM IN EXTREME PRETERM INFANTS

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**TITLE:** Efficacy of Gastrografin modified Video Fluoroscopic Screening to detect Pharyngeal leak and to prevent Pharyngocutaneous fistula following Total Laryngectomy

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**TITLE:** Utility of VFSS for differential diagnosis and quantification of treatment effects in mouse models

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**TITLE:** Dysphagia in Young Children with 22q11.2 Deletion Syndrome

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**TITLE:** EFFECTS OF RESPIRATORY MUSCLE EXERCISE ON LARYNGEAL EXCURSION IN HEALTHY INDIVIDUALS

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**TITLE:** A prospective observational study of dysphagia and its correlates in ICU cardiac patients

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**TITLE:** The changes in tongue pressure, grip strength and nutritional status during perioperative period in cancer patients

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**TITLE:** CHANGES IN INFANT SWALLOW FUNCTION THROUGHOUT THE VIDEOFLUOROSCOPIC SWALLOW STUDY

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**TITLE:** A Clinical Pathway for Swallowing Services for Patients with Head and Neck Cancer: A Service Implementation Evaluation.

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**TITLE:** Effect of Lee Silverman Voice Treatment (LSVT®) on Swallowing & Cough Function in people with Parkinson's Disease

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**TITLE:** Influence of pill size and food consistency in the swallowing of healthy elderly adults

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**TITLE:** Quantitative evaluation of hyoid-laryngo excursion during swallowing by using bend sensor system

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**TITLE:** Factors Contributing to Dehydration in Sub-Acute Stroke

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**TITLE:** What are the features associated with full clinical recovery of swallowing ability in Wallenberg syndrome?

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**TITLE:** Effects of Tongue Strength Training on Mealtime Function in Long Term Care

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**TITLE:** DIFFERENCES IN TIMING BETWEEN FUNCTIONAL SWALLOWERS OF OLDER ADULTS AT RISK FOR DYSPHAGIA AND HEALTHY YOUNG ADULTS

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**TITLE:** Effects of liquid viscosity on airway clearance functions

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**TITLE:** Diagnostic Accuracy of MMASA in Dependent Elderly with Chronic Stroke

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**TITLE:** Changes in Timing of Oral and Laryngeal Events in the Swallow Following Recurrent Laryngeal Nerve Lesion

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**TITLE:** Usefulness of the Valsalva maneuver with nostril pinching in dysphagia following lateral medullary infarction

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**TITLE:** OBJECTIVE, QUANTITATIVE VIDEO ANALYSIS OF LARYNGEAL FUNCTION

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**TITLE:** Dysphagia in stroke: frequency and association with poor clinical outcomes

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**TITLE:** Effects of tongue pressing effortful swallow in older adults

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**TITLE:** Initiation and duration of laryngeal closure in patients with cortical and subcortical stroke

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**TITLE:** Early changes in lingual movement during the swallow in persons with Amyotrophic Lateral Sclerosis (ALS)

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**TITLE:** An Ecological-Epistemological Analysis of Dysphagia Research and Practice

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**TITLE:** Rethinking Residue: Raters Agree on Residue Amount But Bolus Type Matters

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**TITLE:** Dysphagia: A Retrospective Payer Database Analysis to Understand Patient Characteristics and Comorbid Profiles

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**TITLE:** Geriatric dysphagia and pneumonia

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**TITLE:** Reduced Pitch Elevation Correlates with Airway Invasion in Patients with Neurogenic Dysphagia

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**TITLE:** Subjective and objective swallowing assessment measures affected by number of cervical osteophytes but not size

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**TITLE:** Determining the factors associated with tongue strength in persons with head and neck cancer treated with radiotherapy with or without chemotherapy: A retrospective study

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**TITLE:** Swallowing outcomes following the novel treatment of pharyngeal and supraglottic stenosis secondary to caustic injury – a case report

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**TITLE:** DYSPHAGIA MANAGEMENT AND REHABILITATION AFTER EXTENSIVE CHEMICAL INGESTION INJURY: A CASE SERIES

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**TITLE:** Clinical progression and outcome of altered oral feeding following chemical ingestion injury: A retrospective cohort study

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**TITLE:** Specific force deficits in extrinsic tongue muscles following radiation therapy

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**TITLE:** Effects of exercise on age-related changes in rat tongue and jaw cortical motor areas

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**TITLE:** Sarcopenia Score Is Associated With Tongue Strength and Dysphagia

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**TITLE:** Pretherapeutic Parameters and Functional Prognosis of Dysphagia in Chemoradiotherapy for Oropharyngeal Cancer

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**TITLE:** Pilot study of the relationship between instrumental assessment and patient perception of swallow function with and without use of a speaking valve

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**TITLE:** Validation of the Choking Risk Assessment and Pneumonia Risk Assessment for Adults with Intellectual and Developmental Disability (IDD)

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**TITLE:** Redefining Dining Practices in Care Facilities for Residents with Dysphagia

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**TITLE:** Effects of peripherally and centrally-evoked swallow on the jaw reflex responses

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**TITLE:** Development of a rat model for studying the relationship between oral environmental changes and alterations in mastication/swallowing patterns

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**TITLE:** Managers Perceptions of a Statewide eLearning Program for MBS Training.

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**TITLE:** The effect of consistency and reclined posture on laryngeal closure in swallowing : Kinematic analysis using 3D dynamic CT



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**TITLE:** Edema in Oral/Oropharyngeal Cancer Treated with Chemoradiation: Exploring Risk for Aspiration

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**TITLE:** Respiratory Stability During Swallowing: Effect of Liquid Consistency on Respiratory Pattern and Pause Duration

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**TITLE:** A Preliminary Survey of Dysphagia Practice Patterns among Speech-Language Pathologists in India

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**TITLE:** PATHOPHYSIOLOGY OF SWALLOWING IN OCULOPHARYNGEAL MUSCULAR DYSTROPHY

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**TITLE:** Comparing the Thickness of Liquids Used in a Hospital Setting Using the International Dysphagia Diet Standardisation Initiative (IDDSI) Guidelines

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**TITLE:** Student Perceptions of Simulation Learning Activities for Clinical Skill Development in Dysphagia Management

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**TITLE:** Implementation of A Standardized Esophageal Screen Improves Diagnostic Capabilities of the Modified Barium Swallow Study

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**TITLE:** The Relationship of Deep White Matter Lesions and Swallowing Impairment after Stroke: Three Case Reports

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**TITLE:** Relation between locomotion and oral/swallowing function in frail elderly patients

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**TITLE:** Observation of the Process Model of Feeding Using Open-Configuration MRI

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**TITLE:** Swallow with Chin Tuck Against Resistance (S-CTAR): New Task-Specific Exercise for Training Submental Muscles

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**TITLE:** How common are Feeding-Swallowing Difficulties in Early Childhood?

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