



# DYSPHAGIA RESEARCH SOCIETY 20<sup>TH</sup> ANNUAL MEETING

**March 8-10, 2012**  
*Post-Graduate Course on  
March 7, 2012*

*Toronto, Ontario, Canada  
The Ritz-Carlton*

## DRS 2012 ANNUAL MEETING HIGHLIGHTS

**Mayor Robert Ford of Toronto proclaimed March 4-10, 2012 to be  
“Dysphagia Awareness Week”**

### **Dodds Donner Lecture**

A Global Evolution: Past, Present and Future of the Dysphagia Research Society

Reza Shaker, MD

Bronwyn Jones, MD, FRACP, FRCR

Barbara C. Sonies, PhD, CCC-SLP, BRS-S

Rosemary Martino, MA, MSc, PhD

### **Scientific Abstract Oral Presentation Winners**

#### **First Place**

Corinne A. Jones, MS

University of Wisconsin School of Medicine and Public Health

*Contributions of the Cricopharyngeus to Upper Esophageal Sphincter Pressure Changes During  
Swallowing and Non-Swallowing Tasks*

#### **Second Place**

Katherine A. Hutcheson, PhD

The University of Texas MD Anderson Cancer Center

*Failed Organ Preservation: Chronic Dysphagia Five Years or More After Radiotherapy-Based Treatment  
of Head and Neck Cancer*

#### **Third Place**

Emilia Michou, PhD, CertMRCSLT

University of Manchester

*Novel Evidence for Modulation of Functional Cortical Swallowing Activity After Paired Associative  
Brain Stimulation: A Functional Magnetic Resonance Imaging (fMRI) Study*

**Scientific Abstract Poster Winners**

**First Place**

Cathy Lazarus, PhD, CCC-SLP, BRS-S

Beth Israel Medical Center

*Tongue Strength, Functional Outcomes and Quality of Life After Oral Cancer Surgery*

**Second Place (Tie)**

Emily K. Plowman, PhD

University of South Florida

*Targeted Motor Rehabilitation Dissociates Corticobulbar Versus Corticospinal Dysfunction in a Rodent Model of Parkinson's Disease*

Heather Shaw Bonilha PhD, CCC-SLP

Medical University of South Carolina

*Clinical Implications of Pulse Rate*

**Third Place (Tie)**

Takeshi Okada, DDS

Fujita Health University

*Changes in the Length of Individual Suprahyoid and Infrahyoid Muscles During Swallowing: Analysis Using 3D Dynamic Computed Tomography*

Isaac Sia

University of Florida

*Multivariate Modeling of UES Relaxation by Lingua-Palatal and Pharyngeal Pressure Parameters*

**Head and Neck Cancer Alliance Award**

Giselle Carnaby, PhD, MPH

University of Florida

*Dysphagia Prevention Exercises in Head Neck Cancer: Pharyngocise Dose Response Study*

**BRS-S Award**

Rosemary Martino, MA, MSc, PhD

University of Toronto

*Dysphagia Screening Skill Maintenance on the TOR-BSST© and Web-Based Refresher: A Randomized Controlled Trial*

**DRS New Investigator Award**

**First Place**

Stacey Skoretz, MSc

University of Toronto

*Incidence of Oropharyngeal Dysphagia and Associated Risk Factors Following Cardiovascular Surgery*

**Second Place**

Oshrat Sella

University of Canterbury

*Age Effects on Submental Motor Evoked Potentials*

## **Certificates of Merit Poster Awards**

Matthew Hoffman, BS  
University of Wisconsin School of Medicine and Public Health  
*Classification of Pharyngeal High-Resolution Manometry With Impedance Data Using Artificial Neural Networks*

Ioanna Malatra, MS  
Teachers College, Columbia University  
*The Effect of Induced Expiratory Muscle Fatigue on Swallowing: Preliminary Results*

Aaron Hadley, BE  
Case Western Reserve University  
*Laryngeal Elevation by Selective Stimulation of the Hypoglossal Nerve in Canines*

Kendrea Focht, CScD  
Medical University of South Carolina  
*Markov Modeling To Evaluate Pre-Treatment Swallowing Exercises in Head and Neck Cancer*

Haruhi Inokuchi, MD  
Johns Hopkins University  
*Frequency of Stage II Oral Transport Cycles*

Yihe Zu  
UIUC  
*3D Mathematic Model of Hyoid Bone and Attached Muscles During Swallowing*

Emily Plowman, PhD  
University of South Florida  
*Targeted Motor Rehabilitation Dissociates Corticobulbar Versus Corticospinal Dysfunction in a Rodent Model of Parkinson's Disease*

Catriona Steele, PhD  
Toronto Rehabilitation Institute  
*Appreciating Functional Improvement Using Videofluoroscopy: A Question of Methodological Perspective*

Gwen Van Nuffelen  
Antwerp University Hospital  
*Effect of Tongue Strength Training in Head and Neck Cancer (HNC) Patients Treated With Chemoradiation (CRT) or Radiotherapy (RT)*

**The DRS Gratefully Acknowledges the Support of the Following Companies:**

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