Dysphagia Research Society

23rd Annual Meeting
March 12 – 14, 2015

Post-Graduate Course:
Integrating the Art and Science of Swallowing with Technology
March 11, 2015

The Westin Michigan Avenue • Chicago, Illinois
Course Overview and Intended Audience
This meeting is designed for a variety of clinicians, researchers, resident physicians, fellows and students from a wide range of disciplines including gastroenterology, neurology, otolaryngology, radiology, speech-language pathology, nutrition, biomedical engineering, dentistry, pediatrics, psychology and basic sciences, who take care of patients with swallowing disorders, including aspiration, and/or conduct research on patients with swallowing disorders.

Course Format
Different formats were chosen, based on the target audience for that particular activity. For example, didactic lectures were chosen for disseminating an established set of new information that needed to be conveyed to the entire membership in a uniform manner. For areas of controversy, a point-counterpoint discussion between thought leaders with divergent viewpoints were developed, with time for input by the audience. Akin to this, each session is moderated by an expert that will be directing questions to the panel and integrating responses from the participants to stimulate in-depth discussion at the end of each section. Using these varied educational methods will increase the likelihood of achieving the objectives and desired results.

Educational Objectives
Following the conference, the participant should be able to:

Post-Graduate Course
- Define the role of sensory stimulation and neuroplasticity in the rehabilitation of swallowing disorders
- Describe and implement new techniques used to evaluate and treat (including regenerative medicine) swallowing disorders with and without aspiration
- Recognize the utility and limitations of new techniques to evaluate the physiology and pathophysiology of esophageal motility
- Explain and utilize the endoscopic approach to refractory benign esophageal strictures
- Evaluate infants with feeding disorders
- Understand the biomechanics of bolus size and texture of swallowing function

Annual Meeting
- Recognize the mechanism of esophago-pharyngeal reflux and its management using novel new techniques
- Define the treatment of profound oro-pharyngeal dysphagia
- Describe new techniques on how to feed infants at high-risk for aspiration
- Explain advances in regenerative medicine directed towards re-growing the human esophagus
- Understand the influence of bolus textural modifications on normal and abnormal swallowing and utilize this science for dysphagia rehabilitation
- Implement evidence-based, multidisciplinary approach to difficult and challenging cases with dysphagia
- Describe the principles of writing grants for funding

CME Accreditation and Credit Designation
This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of Continuing Medical Education Resources and the Dysphagia Research Society. Continuing Medical Education Resources is accredited by the ACCME to provide continuing medical education for physicians.
Continuing Medical Education Resources designates this live educational activity for a maximum of 24 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

The break down of AMA PRA Category 1 Credits™ is as follows:
Post-Graduate Course: Maximum of 6.25 AMA PRA Category 1 Credits™
Annual Meeting: Maximum of 17.75 AMA PRA Category 1 Credits™

The break down of CEUs is as follows:
Post-Graduate Course: This course is offered for up to 0.6 ASHA CEUs (Advanced Level; Professional Area)
Annual Meeting: This course is offered for up to 2.3 ASHA CEUs (Advanced level; Professional Area)

Please visit the following ASHA webpage regarding questions on eligibility for ASHA CEUs: http://www.asha.org/CE/for-providers/Eligibility-for-Earning-ASHA-CEUs/.

Optional Activities

DRS New Investigator Sessions: Telling Your Story in a Grant Application
Thursday, March 12, 2015 • 7:00 – 7:45AM; 1:00 – 1:45PM
Communicating research ideas in a grant application is a challenge for many new investigators. During the AM session, participants will hear a presentation on successful grant writing principles and participate in a comparative example grant application exercise. The PM session will involve a panel of funded and scientific reviewers with experience in various grant mechanisms.

Welcome Reception
Thursday, March 12, 2015 • 6:00 – 7:30PM
Guest/Spouse Welcome Reception tickets purchased upon registration ($60/guest).

Meet the Mentors Breakfast
Friday, March 13, 2015 • 7:00 – 7:45AM
The purpose of this breakfast is to provide an opportunity for new investigators to network and learn best practices from senior researchers.

A Scientific Tribute to Jeri A. Logemann, PhD, CCC-SLP, BCS-S
Friday, March 13th, 2015 • 3:00 – 5:00PM
Northwestern University Feinberg School of Medicine
The Pritzker Auditorium 3-506
251 E. Huron St., Chicago, IL  60611

This memorial tribute to Jeri Logemann, PhD, CCC-SLP, BCS-S, sponsored by Northwestern University, will include past students, colleagues, and collaborators who will speak on the impact Jeri Logemann has had on their lives, research and the field of dysphagia. The program will conclude with time for attendees to contribute personal comments, given Jeri’s impact far and wide.

DRS Social Event: An Evening in Chicago $85
Friday, March 13, 2015 • 6:00 – 9:00PM
Learn how to toss pizza dough like a professional at Bar Toma owned by Bravos’ “Top Chef Masters” Chef Tony Mantuano followed by dinner!
Joan C. Arvedson, PhD, CCC-SLP, BCS-S
Financial Disclosure:
Salary: Children’s Hospital of Wisconsin, Milwaukee, Wisconsin
Royalty: Educational Resources Inc.
Nonfinancial Disclosure:
Member: Dysphagia Research Society
Other Volunteer Activities: Trinity Episcopal Church - Lay Reader

Arash Babaei, MD
Financial Disclosure:
Salary: Medical College of Wisconsin, Milwaukee, Wisconsin
Faculty Concession/Honorarium
Nonfinancial Disclosure:
Member: Dysphagia Research Society; DRS 2015 Scientific Abstract Committee

Stephen F. Badylak, DVM, PhD, MD
Financial Disclosure:
Salary: University of Pittsburgh, Pittsburgh, Pennsylvania
Grant/Research Support: ACell, CR Bard, Vertex
Faculty Concession/Honorarium
Nonfinancial Disclosure:
Member: Asana, Miromatrix, Ventrix

Peter C. Belafsky, MD, MPH, PhD
Financial Disclosure:
Salary: University of California at Davis Medical Center, Sacramento, California
Faculty Concession/Honorarium
Nonfinancial Disclosure:
Member: Dysphagia Research Society; DRS 2015 Program Planning Committee

Martin B. Brodsky, PhD, ScM, CCC-SLP
Financial Disclosure:
Salary: Johns Hopkins University, Baltimore, Maryland
Grant/Research Support: NIH/NIDCD
Nonfinancial Disclosure:
Member: Dysphagia Research Society

Giselle Carnaby-Mann, MPH, PhD
Financial Disclosure:
Salary: University of Florida, Gainesville, Florida
Nonfinancial Disclosure:
Member: Dysphagia Research Society

Julie A.Y. Cichero, PhD, BA, BSP’Thy
Financial Disclosure:
Salary: The Wesley Hospital, Queensland, Australia
Consulting Fee: Nestle Health Science, Trisco
Speaker Fee: Nestle Health Science
Nonfinancial Disclosure:
Member: Dysphagia Research Society, International Dysphagia Diet Standardization Initiative - Co-chair, Honorary Senior Fellow, School of Pharmacy, The University of Queensland, Australia

Pamela Dodrill, PhD, CCC-SLP
Financial Disclosure:
Salary: Boston Children’s Hospital, Boston, Massachusetts
Nonfinancial Disclosure:
Member: Dysphagia Research Society
Board Member: Feeding Matters

Kulwinder Dua, MD, FRCP (London), FRCP (Edinburgh), FACP, FASGE
Financial Disclosure:
Salary: Medical College of Wisconsin, Milwaukee, Wisconsin
Royalties: Cook Medicals
Faculty Concession/Honorarium
Nonfinancial Disclosure:
Board President: Dysphagia Research Society
Co-Chair: DRS 2015 Program Planning Committee

Rainer Dziewas, MD
Financial Disclosure:
Salary: University Hospital Munster, Munster, Germany
Consulting Fee: Fresenius
Grant/Research Support: Nutricia
Membership on advisory committee: Nutricia
Nonfinancial Disclosure:
Board Membership: Phagenesis Ltd.
Member: Dysphagia Research Society

Shaheen Hamdy, MB ChB, FRCP, PhD
Financial Disclosure:
Salary: Centre for GI Sciences, Institute of Inflammation and Repair, University of Manchester, Manchester, United Kingdom
Faculty Concession/Honorarium
Nonfinancial Disclosure:
Member: Dysphagia Research Society
Board Member: Phagenesis Ltd.

Yoko Inamoto, SLHT, PhD
Financial Disclosure:
Salary: Fujita Health University, Toyoake, Aichi, Japan
Nonfinancial Disclosure:
Member: Dysphagia Research Society
Board Member: DRS Ad Hoc International Councilor

Sudarshan R. Jadcherla, MD, FRCP (Ireland), DCH, AGAF
Financial Disclosure:
Salary: Nationwide Children’s Hospital and The Ohio State University College of Medicine, Columbus, Ohio
Grant/Research Support and Independent Contracting: NIH(NIDDK)
Faculty Concession/Honorarium
Nonfinancial Disclosure:
Member: Dysphagia Research Society; DRS 2015 Program Planning Committee; DRS 2015 Scientific Abstract Committee

Hideaki Kanazawa, MD
Financial Disclosure:
Salary: Hamamatsu City Rehabilitation Hospital, Hamamatsu, Japan
Faculty Concession/Honorarium
Nonfinancial Disclosure:
No relevant nonfinancial relationship exists

Sandeept Kumar, MD, FAHA
Financial Disclosure:
Salary: Beth Israel Deaconess Medical Center, Harvard Medical School, Boston, Massachusetts
Grant/Research Support: National Institute of Health
Faculty Concession/Honorarium
Nonfinancial Disclosure:
Member: Dysphagia Research Society
Susan E. Langmore, PhD, CCC-SLP, BCS-S
Financial Disclosure:
Salary: Boston University, Boston, Massachusetts
Grant/Research Support: 1 R01 DC-12584-01A1; Nestec
Nonfinancial Disclosure:
Member: Dysphagia Research Society; DRS 2015 Program Planning Committee; DRS Logemann Tribute Ad Hoc Committee

Cathy L. Lazarus, PhD, CCC-SLP, BCS-S
Financial Disclosure:
Salary: Mount Sinai Beth Israel, New York, New York
Royalty: NSS-RS
Nonfinancial Disclosure:
Member: Dysphagia Research Society
Board Member: DRS Past President

Steven B. Leder, PhD, CCC-SLP
Financial Disclosure:
Salary: Yale School of Medicine, New Haven, Connecticut
Nonfinancial Disclosure:
Member: Dysphagia Research Society

Maureen A. Lefton-Greif, PhD
Financial Disclosure:
Salary: Johns Hopkins University School of Medicine, Baltimore, Maryland
Grant/Research Support: National Institute on Deafness and other Communication Disorders
Royalty: Pearsons
Faculty Concession/Honorarium
Nonfinancial Disclosure:
Member: Dysphagia Research Society; DRS 2015 Program Planning Committee

Jan S. Lewin, PhD, BCS-S
Financial Disclosure:
Salary: University of Texas MD Anderson Cancer Center, Houston, Texas
Nonfinancial Disclosure:
Member: Dysphagia Research Society

Georgia A. Malandraki, PhD, CCC-SLP, BCS-S
Financial Disclosure:
Salary: Purdue University, West Lafayette, Indiana
Faculty Concession/Honorarium
Nonfinancial Disclosure:
Member: Dysphagia Research Society; DRS 2015 Program Planning Committee; DRS Logemann Tribute Ad Hoc Committee

Ruth E. Martin, PhD, MHSc, BA
Financial Disclosure:
Salary: University of Western Ontario, Ontario, Canada
Consulting and Royalty: Trudell Medical International
Grant/Research Support: CIHR, Heart and Stroke Foundation of Ontario, Ontario Centres of Excellence
Faculty Concession/Honorarium
Nonfinancial Disclosure:
Member: Dysphagia Research Society

Bonnie Martin-Harris, PhD, CCC-SLP, Professor, BCS-S, ASHA Fellow
Financial Disclosure:
Salary: Medical University of South Carolina, Charleston, South Carolina
Grant/Research Support: VARR&D, NIH/NIDCD, Bracco Diagnostics, Inc.
Royalty and Speaking Fee: Northern Speech Services
Nonfinancial Disclosure:
Member: Dysphagia Research Society
Chair: DRS Nominating Committee; DRS Ad Hoc - Early Investigator Initiative Committee

Rosemary Martino, MA, MSc, PhD
Financial Disclosure:
Salary: University of Toronto, Toronto, Canada
Grant/Research Support: Canada Research Chair (Tier 2) for Swallowing Disorders
Faculty Concession/Honorarium
Nonfinancial Disclosure:
Member: Dysphagia Research Society; DRS 2015 Scientific Abstract Committee
Chair: DRS Logemann Tribute Ad Hoc Committee
Co-Chair: DRS 2015 Program Planning Committee
Professional: Developer of the TOR-BSST(c)

Benson T. Massey, MD, FACP
Financial Disclosure:
Salary: Medical College of Wisconsin, Milwaukee, Wisconsin
Faculty Concession/Honorarium
Nonfinancial Disclosure:
Member: Dysphagia Research Society; DRS 2015 Program Planning Committee; American Neurogastroenterology and Motility Society - Councilor

Timothy M. McCulloch, MD, FACS
Financial Disclosure:
Salary: University of Wisconsin, Madison, Wisconsin
Grant/Research Support: NIH
Faculty Concession/Honorarium
Nonfinancial Disclosure:
Member: Dysphagia Research Society; DRS 2015 Program Planning Committee; American Neurogastroenterology and Motility Society - Councilor

Art Miller, PhD
Financial Disclosure:
Salary: University of California San Francisco, School of Dentistry, San Francisco, California
Faculty Concession/Honorarium
Nonfinancial Disclosure:
Member: Dysphagia Research Society; DRS 2015 Program Planning Committee
Volunteer Consulting: Phagenesis Ltd.

Ravinder Mittal, MD
Financial Disclosure:
Salary: University of California San Diego, San Diego, California
Faculty Concession/Honorarium
Nonfinancial Disclosure:
No relevant nonfinancial relationship exists
Mark A. Nicosia, PhD  
**Financial Disclosure:**  
Salary: Widener University, Chester, Pennsylvania  
Faculty Concession/Honorarium  
**Nonfinancial Disclosure:**  
Member: Dysphagia Research Society; DRS 2015 Program Planning Committee  

Barbara Roa Pauloski, BS, MA, PhD  
**Financial Disclosure:**  
Salary: Northwestern University, Evanston, Illinois  
Grant/Research Support and Independent Contracting: National Institutes of Health  
Faculty Concession/Honorarium  
**Nonfinancial Disclosure:**  
No relevant nonfinancial relationship exists  

JoAnne Robbins, PhD, CCC-SLP, BCS-S  
**Financial Disclosure:**  
Salary: University of Wisconsin, Madison School of Medicine and Public Health and Wm S Middleton Memorial VA Hospital, Madison, Wisconsin  
Speaker fee: Northern Speech Services  
Royalty: John Wiley & Sons  
**Nonfinancial Disclosure:**  
Chief Scientific Officer and Equity Holder: Swallow Solutions, LLC  
Member: Dysphagia Research Society  

Nathalie Rommel, PhD  
**Financial Disclosure:**  
Salary: University of Leuven, Leuven, Belgium  
Faculty Concession/Honorarium  
**Nonfinancial Disclosure:**  
Patent: AIM technology  

Donna Scarborough, PhD, CCC-SLP, BCS-S  
**Financial Disclosure:**  
Salary: Miami University, Oxford, Ohio  
Faculty Concession/Honorarium  
**Nonfinancial Disclosure:**  
Member: Dysphagia Research Society; DRS 2015 Program Planning Committee  
Board Member: DRS Councilor  

Reza Shaker, MD  
**Financial Disclosure:**  
Salary: Medical College of Wisconsin, Milwaukee, Wisconsin  
Royalty: Somna Therapeutics  
**Nonfinancial Disclosure:**  
Member: Dysphagia Research Society  

Roberta Gonçalves da Silva, PhD, SLP  
**Financial Disclosure:**  
Salary: Paulista State University-Marília, Marília, São Paulo, Brazil  
Faculty Concession/Honorarium  
**Nonfinancial Disclosure:**  
No relevant nonfinancial relationship exists  

Margaret Skinner, MD  
**Financial Disclosure:**  
Salary: Johns Hopkins Hospital, Baltimore, Maryland  
Faculty Concession/Honorarium  
**Nonfinancial Disclosure:**  
Member: Dysphagia Research Society; DRS 2015 Program Planning Committee  

Barbara Sonies, PhD, CCC-SLP, BCS-S  
**Financial Disclosure:**  
Salary: University of Maryland, College Park, Maryland  
**Nonfinancial Disclosure:**  
Member: Dysphagia Research Society  
Board Member: DRS Archivist  

Catriona M. Steele, PhD, MHSc, SLP(C), CCC-SLP, BCS-S, Reg. CASLPO, ASHA Fellow  
**Financial Disclosure:**  
Salary: Toronto Rehabilitation Institute - University Health Network Toronto, Ontario, Canada  
Grant/Research Support: Nestle Health Science, NIDCD; CIHR; NSERC; Heart and Stroke Foundation of Canada  
Speaker Fee: Nestle Health Science  
Patent on Equipment: Nestle Health Science  
Inkind Support: Flavour Creations  
**Nonfinancial Disclosure:**  
Member: Dysphagia Research Society  

Douglas J. Van Daele, MD  
**Financial Disclosure:**  
Salary: University of Iowa Healthcare, Iowa City, Iowa  
Faculty Concession/Honorarium  
**Nonfinancial Disclosure:**  
Member: Dysphagia Research Society; DRS 2015 Program Planning Committee  
Chair: DRS 2015 Scientific Abstract Committee  
Board Member: DRS President Elect  

To view the most up-to-date list of faculty and disclosures, please visit:  
http://dysphagiareresearch.site-ym.com/?page=CourseOverview
## Program

### Daily - 3/11/15 - 3/14/15

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:00 AM</td>
<td>Registration</td>
</tr>
<tr>
<td>7:00 AM</td>
<td>Continental Breakfast</td>
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</tbody>
</table>

### Wednesday, March 11, 2015

#### Post-Graduate Course: Integrating the Art and Science of Swallowing with Technology

<table>
<thead>
<tr>
<th>Time</th>
<th>Session &amp; Presentation Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:50 AM</td>
<td>Welcome and Opening Remarks</td>
</tr>
<tr>
<td>8:00 AM</td>
<td>Oropharyngeal Air-Pulse Stimulation: Recent Findings</td>
</tr>
<tr>
<td>8:20 AM</td>
<td>Functional and Structural Connectivity: Tools in Understanding Developmental and Treatment Brain Plasticity</td>
</tr>
<tr>
<td>8:40 AM</td>
<td>Non-Invasive Brain Stimulation for Improving Swallowing After Stroke</td>
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<tr>
<td>9:00 AM</td>
<td>Plasticity in Human Swallowing Motor Cortex - Genes, Transmitters and Remote Effects</td>
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<tr>
<td>9:20 AM</td>
<td>Session I Panel and Audience Discussion</td>
</tr>
<tr>
<td>9:35 AM</td>
<td>The Use of Regenerative Medicine for Tongue Rehabilitation</td>
</tr>
<tr>
<td>9:55 AM</td>
<td>Tubed Epiglottoplasty for Life-Threatening Aspiration</td>
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<tr>
<td>10:15 AM</td>
<td>High Resolution Manometry: Pharyngeal</td>
</tr>
<tr>
<td>10:35 AM</td>
<td>Session II Panel and Audience Discussion</td>
</tr>
<tr>
<td>11:05 AM</td>
<td>High Resolution Manometry: Esophageal</td>
</tr>
<tr>
<td>11:25 AM</td>
<td>Dance of the Two Muscle Layers of Esophagus: Relevance to Esophageal Function and Dysfunction</td>
</tr>
<tr>
<td>11:45 AM</td>
<td>Endoscopic Management of Refractory Benign Esophageal Strictures: Tools and Techniques</td>
</tr>
<tr>
<td>12:05 PM</td>
<td>Session III Panel and Audience Discussion</td>
</tr>
<tr>
<td>12:20 PM</td>
<td>Lunch On Your Own</td>
</tr>
<tr>
<td>1:30 PM</td>
<td>Using Novel Technologies to Evaluate Aerodigestive Reflexes in Infants</td>
</tr>
<tr>
<td>1:50 PM</td>
<td>Clinical and Surgical Evaluation of Pediatric Dysphagia - Is There a Niche?</td>
</tr>
<tr>
<td>2:10 PM</td>
<td>Infant Videofluoroscopic Swallow Studies: Standardization and Other High Aspirations</td>
</tr>
<tr>
<td>2:30 PM</td>
<td>Session IV Panel and Audience Discussion</td>
</tr>
<tr>
<td>3:00 PM</td>
<td>Experimental and Human Studies of the Impact of Sensory Stimuli on Swallowing: Potential for Developing the Ideal Bolus</td>
</tr>
<tr>
<td>3:25 PM</td>
<td>Session V Panel and Audience Discussion</td>
</tr>
</tbody>
</table>

#### Session I: Speech Language Pathology/Neurology

*Moderator: Rosemary Martino, MA, MSc, PhD*

- **8:00 AM** – 8:20 AM *Oropharyngeal Air-Pulse Stimulation: Recent Findings*  
  - Ruth E. Martin, PhD, MHSc, BA

- **8:20 AM** – 8:40 AM *Functional and Structural Connectivity: Tools in Understanding Developmental and Treatment Brain Plasticity*  
  - Georgia A. Malandraki, PhD, CCC-SLP, BCS-S

- **8:40 AM** – 9:00 AM *Non-Invasive Brain Stimulation for Improving Swallowing After Stroke*  
  - Sandeep Kumar, MD, FAHA

- **9:00 AM** – 9:20 AM *Plasticity in Human Swallowing Motor Cortex - Genes, Transmitters and Remote Effects*  
  - Shaheen Hamdy, MB ChB, FRCP, PhD

- **9:20 AM** – 9:35 AM *Session I Panel and Audience Discussion*

#### Session II: Otolaryngology

*Moderator: Douglas J. Van Daele, MD*

- **9:35 AM** – 9:55 AM *The Use of Regenerative Medicine for Tongue Rehabilitation*  
  - Peter C. Belafsky, MD, MPH, PhD

- **9:55 AM** – 10:15 AM *Tubed Epiglottoplasty for Life-Threatening Aspiration*  
  - Hideaki Kanazawa, MD

- **10:15 AM** – 10:35 AM *High Resolution Manometry: Pharyngeal*  
  - Timothy M. McCulloch, MD, FACS

- **10:35 AM** – 10:50 AM *Session II Panel and Audience Discussion*

#### Session III: Gastroenterology

*Moderator: Arash Babaei, MD*

- **11:05 AM** – 11:25 AM *High Resolution Manometry: Esophageal*  
  - Benson T. Massey, MD, FACP

- **11:25 AM** – 11:45 AM *Dance of the Two Muscle Layers of Esophagus: Relevance to Esophageal Function and Dysfunction*  
  - Ravinder Mittal, MD

- **11:45 AM** – 12:05 PM *Endoscopic Management of Refractory Benign Esophageal Strictures: Tools and Techniques*  
  - Kulwinder Dua, MD, FRCP (London), FRCP (Edinburgh), FACP, FASGE

- **12:05 PM** – 12:20 PM *Session III Panel and Audience Discussion*

- **12:20 PM** – 1:30 PM *Lunch On Your Own*

#### Session IV: Pediatric Dysphagia

*Moderator: Donna Scarborough, PhD, CCC-SLP, BCS-S*

- **1:30 PM** – 1:50 PM *Using Novel Technologies to Evaluate Aerodigestive Reflexes in Infants*  
  - Sudarshan R. Jadcherla, MD, FRCP(Ireland), DCH, AGAF

- **1:50 PM** – 2:10 PM *Clinical and Surgical Evaluation of Pediatric Dysphagia - Is There a Niche?*  
  - Margaret Skinner, MD

- **2:10 PM** – 2:30 PM *Infant Videofluoroscopic Swallow Studies: Standardization and Other High Aspirations*  
  - Maureen A. Lefton-Greif, PhD

- **2:30 PM** – 2:45 PM *Session IV Panel and Audience Discussion*

#### Session V: Basic Science

*Moderator: Art Miller, PhD*

- **2:45 PM** – 3:25 PM *Experimental and Human Studies of the Impact of Sensory Stimuli on Swallowing: Potential for Developing the Ideal Bolus*  
  - Art Miller, PhD; Mark A. Nicosia, PhD

- **3:25 PM** – 3:40 PM *Session V Panel and Audience Discussion*
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>3:40 PM</td>
<td>Adjourn</td>
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<tr>
<td>4:00 PM – 5:30 PM</td>
<td>DRS Board of Directors Meeting</td>
</tr>
<tr>
<td>5:30 PM – 7:00 PM</td>
<td>Dysphagia Editorial Board Meeting</td>
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</table>

**Thursday, March 12, 2015**

**Annual Meeting**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>7:00 AM – 7:45 AM</td>
<td><strong>DRS New Investigator Sessions: Telling Your Story in a Grant Application</strong> &lt;br&gt; <strong>Moderator:</strong> Bonnie Martin-Harris, PhD, CCC-SLP, Professor, BCS-S, ASHA Fellow – Additional Registration Required</td>
</tr>
<tr>
<td>7:50 AM – 8:00 AM</td>
<td>Welcome and Opening Remarks &lt;br&gt; Kulwinder Dua, MD, FRCP (London), FRCP (Edinburgh), FACP, FASGE</td>
</tr>
<tr>
<td>8:00 AM – 8:20 AM</td>
<td><strong>Tribute to Jeri A. Logemann, PhD, CCC-SLP, BCS-S</strong> &lt;br&gt; <strong>Moderators and Speakers:</strong> Cathy L. Lazarus, PhD, CCC-SLP, BCS-S; Barbara Roa Pauloski, BS, MA, PhD</td>
</tr>
<tr>
<td>8:20 AM – 9:50 AM</td>
<td><strong>Scientific Paper Presentations I - Pediatric</strong> &lt;br&gt; <strong>Moderator:</strong> Pamela Dodrill, PhD, CCC-SLP</td>
</tr>
<tr>
<td>9:50 AM – 10:20 AM</td>
<td><strong>New Investigators Forum</strong> &lt;br&gt; <strong>Moderator:</strong> Barbara Sonies, PhD, CCC-SLP, BCS-S</td>
</tr>
<tr>
<td>10:20 AM – 11:20 AM</td>
<td>Break and Scientific Poster Viewing Session I</td>
</tr>
<tr>
<td>11:20 AM – 12:50 PM</td>
<td><strong>Scientific Paper Presentations II - Head and Neck Cancer</strong> &lt;br&gt; <strong>Moderator:</strong> Jan S. Lewin, PhD, BCS-S</td>
</tr>
<tr>
<td>12:50 PM – 1:55 PM</td>
<td>Lunch On Your Own</td>
</tr>
<tr>
<td>1:00 PM – 1:45 PM</td>
<td><strong>DRS New Investigator Sessions: Telling Your Story in a Grant Application</strong> &lt;br&gt; <strong>Moderator:</strong> Bonnie Martin-Harris, PhD, CCC-SLP, Professor, BCS-S, ASHA Fellow – Additional Registration Required</td>
</tr>
<tr>
<td>1:55 PM – 3:25 PM</td>
<td><strong>Scientific Paper Presentations III - Physiology</strong> &lt;br&gt; <strong>Moderator:</strong> Caryn Easterling, PhD, CCC, ASHA Fellow</td>
</tr>
<tr>
<td>3:25 PM – 3:45 PM</td>
<td><strong>Session VI: State of the Art Talk</strong> &lt;br&gt; <strong>Moderator:</strong> Margaret Skinner, MD</td>
</tr>
<tr>
<td>3:45PM – 4:45 PM</td>
<td>Break and Scientific Poster Viewing Session II</td>
</tr>
<tr>
<td>4:45 PM – 5:15 PM</td>
<td><strong>To Feed or Not to Feed Pre-term Infant with Multiple Issues</strong> &lt;br&gt; <strong>Joan C. Arvedson, PhD, CCC-SLP, BCS-S</strong></td>
</tr>
<tr>
<td>5:15 PM – 5:45 PM</td>
<td><strong>Heartburn, Chest Pain, Dysphagia, Cough, Vomiting: Is This Just Bad GERD?</strong> &lt;br&gt; <strong>Benson T. Massey, MD, FACP</strong></td>
</tr>
<tr>
<td>5:45 PM – 6:00 PM</td>
<td><strong>Gold Medal Award Presentation</strong> &lt;br&gt; <strong>Moderators:</strong> Kulwinder Dua, MD, FRCP (London), FRCP (Edinburgh), FACP, FASGE; Rosemary Martino, MA, MSc, PhD</td>
</tr>
<tr>
<td>5:45 PM</td>
<td>Adjourn</td>
</tr>
<tr>
<td>6:00 PM – 7:30 PM</td>
<td>Welcome Reception</td>
</tr>
</tbody>
</table>

**Friday, March 13, 2015**

**Annual Meeting**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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</thead>
<tbody>
<tr>
<td>7:00 AM – 7:45 AM</td>
<td><strong>Meet the Mentors Breakfast</strong> &lt;br&gt; <strong>Moderators:</strong> Barbara Sonies, PhD, CCC-SLP, BCS-S; Susan E. Langmore, PhD, CCC-SLP, BCS-S – Additional Registration Required</td>
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<tr>
<td>7:55 AM – 8:00 AM</td>
<td>Announcements</td>
</tr>
<tr>
<td>8:00 AM – 10:00 AM</td>
<td><strong>Scientific Paper Presentations IV - Neurology</strong> &lt;br&gt; <strong>Moderator:</strong> Nathalie Rommel, PhD</td>
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<tr>
<td>10:00 AM – 10:45 AM</td>
<td><strong>Dodds-Donner Lecture</strong> &lt;br&gt; <strong>Moderator:</strong> Kulwinder Dua, MD, FRCP (London), FRCP (Edinburgh), FACP, FASGE</td>
</tr>
</tbody>
</table>
10:45 AM – 11:20 AM  Break and Scientific Poster Viewing Session III

11:20 AM – 12:50 PM  **Scientific Paper Presentations V - Patient Care**  
* Moderator: Gisèle Carnaby-Mann, MPH, PhD

**Session VIII: State of the Art Talk**  
* Moderator: Timothy M. McCulloch, MD, FACS

12:50 PM – 1:10 PM  Treatment of Profound Oropharyngeal Dysphagia  
Peter C. Belafsky, MD, MPH, PhD

1:10 PM  Adjourn (Conference attendees are free to explore Chicago on their own)

3:00 PM – 5:00 PM  A Scientific Tribute to Jeri A. Logemann, PhD, CCC-SLP, BCS-S

6:00 PM – 9:00 PM  An Evening in Chicago - Additional Registration Required

**Saturday, March 14, 2015**

**Annual Meeting**

7:30 AM – 7:55 AM  Annual Members’ Business Meeting  
Kulwinder Dua, MD, FRCP (London), FRCP (Edinburgh), FACP, FASGE

7:55 AM – 8:00 AM  Announcements

8:00 AM – 9:30 AM  **Scientific Paper Presentations VI - Patient Care**  
* Moderator: Yoko Inamoto, SLHT, PhD

**Session IX: State of the Art Talk**  
* Moderator: Susan E. Langmore, PhD, CCC-SLP, BCS-S

9:30 AM – 9:50 AM  Dysphagia Research: Lessons from the Past, Promises for the Future  
Rosemary Martino, MA, MSc, PhD

9:50 AM – 10:50 AM  Break and Scientific Poster Viewing Session IV  

**Session X: Clinical Conundrum**  
* Moderator: Rainer Dziewas, MD

10:50 AM – 11:20 AM  I Can Tell You About the Pharyngeal Swallow without Looking  
Steven B. Leder, PhD, CCC-SLP

11:20 AM – 12:20 PM  **Scientific Paper Presentations VII - Physiology**  
* Moderator: Martin B. Brodsky, PhD, ScM, CCC-SLP

12:20 PM – 1:30 PM  Lunch On Your Own

12:25 PM – 1:25 PM  DRS Board of Directors Meeting

1:45 PM – 3:45 PM  **Scientific Paper Presentations VIII - Dysphagia**  
* Moderator: Roberta Gonçalves da Silva, PhD, SLP

**Session XI: State of the Art Talk**  
* Moderator: Arash Babaei, MD

3:45 PM – 4:05 PM  Mechanisms and Management of Esophageal-Pharyngeal Reflux  
Reza Shaker, MD

4:05 PM – 4:50 PM  Break and Scientific Poster Viewing Session V

**Session XII: Textural Modification: Rheology, Physiology, and Clinical Practice**  
* Moderator: Catriona M. Steele, PhD, MHSc, SLP(C), CCC-SLP, BCS-S, Reg. CASLPO, ASHA Fellow

4:50 PM – 5:05 PM  A Rheological Perspective on Swallowed Materials  
Mark A. Nicosia, PhD

5:05 PM – 5:20 PM  Physiological Adaptations to Altered Bolus Characteristics  
Catriona M. Steele, PhD, MHSc, SLP(C), CCC-SLP, BCS-S, Reg. CASLPO, ASHA Fellow

5:20 PM – 5:35 PM  Clinical Aspects of Thickened Liquid Use  
Julie A.Y. Cichero, PhD, BA, BSPhThy

5:35 PM – 5:50 PM  Technology Transfer: Patient Preference and Adherence  
JoAnne Robbins, PhD, CCC-SLP, BCS-S

5:50 PM – 6:05 PM  Session XII Panel and Audience Discussion

6:05 PM  Adjourn

6:05 PM – 6:15 PM  Break

6:15 PM – 7:00 PM  Awards and Closing Ceremony
Register now at www.dysphagiaresearch.org!

There are three easy ways to register:
• By internet at www.dysphagiaresearch.org
• By fax at 713.960.0488*
• By mail at DRS Management Office, 4550 Post Oak Place, Suite 342, Houston, Texas 77027*

*A hardcopy registration form is available on the society website. However, please note that there is an additional fee of $20 if you register by mail or fax. Save time and the extra fee by registering online.

<table>
<thead>
<tr>
<th>Registration Fees</th>
<th>On or Before 1/27/15</th>
<th>After 1/27/15</th>
<th>On-Site† 2/27/15</th>
</tr>
</thead>
<tbody>
<tr>
<td>Post-Graduate Course</td>
<td>$175</td>
<td>$225</td>
<td>$245</td>
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<tr>
<td>Open to all participants – Not included in Annual Meeting fees.</td>
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<tr>
<td>Annual Meeting</td>
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<tr>
<td>DRS Members – Physicians, Dental Surgeons</td>
<td>$600</td>
<td>$650</td>
<td>$700</td>
</tr>
<tr>
<td>DRS Members – Allied Health Professionals, Non-Health Professional Scientists</td>
<td>$450</td>
<td>$500</td>
<td>$550</td>
</tr>
<tr>
<td>Non Member – Physicians, Dental Surgeons</td>
<td>$700</td>
<td>$750</td>
<td>$800</td>
</tr>
<tr>
<td>Non Member – Allied Health Professionals, Non-Health Professional Scientists</td>
<td>$550</td>
<td>$600</td>
<td>$650</td>
</tr>
<tr>
<td>Students and Residents**</td>
<td>$250</td>
<td>$300</td>
<td>$320</td>
</tr>
</tbody>
</table>

**Verification of Student or Resident status must be submitted.

Registration Dates
The early bird advanced registration deadline is Tuesday, January 27, 2015. Registrations received after this date will be charged an additional $50, as noted in the registration fees.

†Online registration will close Friday, February 27, 2015. After this date, attendees must register on-site and pay on-site registration fees.

Registration Cancellation Policy
A $100 administrative fee will be retained if you cancel your meeting registration for any reason. In order to receive a refund of the balance, written notice must be received no later than Wednesday, February 25, 2015. No refunds will be made after this date.

Meeting Management
Angie Guy, MPA
Meetings and Events Manager
International Meeting Managers, Inc.
4550 Post Oak Place, Suite 342
Houston, TX 77027
713.965.0566 Phone • 713.960.0488 Fax
drs@meetingmanagers.com

If you have any special needs, please contact IMM at the above address in writing at least two weeks before the meeting to ensure that your needs will be met.
**Hotel and Travel Information**

**Travel Information**

**Airline Transportation**
Taxis, shuttle service and public transportation are all options for traveling to and from the hotel (fees will apply). Midway Airport (MDW) is approximately 13.5 miles from the Westin Michigan Avenue. O’Hare International Airport (ORD) is approximately 17.5 miles from the Westin Michigan Avenue.

**United Airlines** is an official carrier for the conference. United offers discounts off published fares of 2% to 10% or zone fares. For fare and schedule information and to make your reservations, please visit www.united.com or call United Airlines Meetings at 1-800-426-1122. Refer to Z Code: ZSNR and Agreement Code: 966350. There will be a $25 service fee collected, per ticket, for all tickets issued through Meetings Reservations. The service fee is non-refundable and applies to all itineraries, one-way or roundtrip. To avoid a service fee and receive an additional 3% discount on published fares, book your reservations online at www.united.com. Enter your Z code and Agreement Code (without a space) in the offer code box: ZSNR966350.

**Ground Transportation**

**Rental Car**
Special rates have also been negotiated with Avis Rent A Car System for attendees. To request a rate or make a reservation with Avis, please call 1-800-525-7537 X31247 or visit www.avis.com. Please refer to the Avis Worldwide Discount Number (AWD) - D012197 to obtain the discounted rates.

**Hotel Information**

**The Westin Michigan Avenue**
909 North Michigan Avenue
Chicago, Illinois 60611
Reservations: (312) 943-7200

$179.00 Single/Double Superior
king bed or double beds (2 beds)

$200.00 Single/Double Luxury
king bed or double beds (2 beds)

$459.00 One Bedroom Suites
(Applicable taxes, currently 16.4%)

Group block deadline: February 16, 2015

Please visit www.dysphagiaresearch.org for detailed hotel and travel information including discount codes for travel arrangements.
WHAT IS THIS?
This symbol is called a “QR code” and it enables your smartphone to instantly access the meeting website. To use it, you will need to download a free QR app (available from your phone’s application store) if you do not already have one. Next, take a photo of the QR code and you will be connected to the meeting website.