

*Swallowing Diagnostics, Inc. and Voice Aerobics,  
LLC present:*

# **Swallowing and Breathing:**

## **Understanding the Relationship and Putting it to Practice.**

**Pediatric and Adult Focus.**

### **Instructor:**

*Roxann Diez Gross, PhD, CCC-SLP has been an active researcher for over 21 years and a practicing clinician for 27 years. She is a frequently invited national and international lecturer on dysphagia (difficulty swallowing). She is the Director of Research at The Children's Institute of Pittsburgh and adjunct Assistant Professor in the Department of Communication Science and Disorders at the University of Pittsburgh. She has published several scientific papers and clinical book chapters. Her primary area of research examines interactions between breathing and swallowing in individuals of all ages with neurologic impairments and respiratory disease.*

This course will discuss normal vs disordered breathing/swallowing and lung volume research. Patterns of breathing and swallowing will be reviewed. Inspiratory resistance exercises will be explained. Case studies will be used to demonstrate efficacy, including respiratory factors in dysphagia therapy.

### **Learner Outcomes**

At the completion of the workshop, attendees will be able to:

- discuss the research that is related to the function of the respiration system in swallowing
- evaluate breathing and swallowing patterning
- choose patient- specific respiratory based therapies for patients with respiratory impairments and dysphagia

## **Agenda**

- 8:30-9:00 Registration  
9:00-10:00 Research vs. Rhetoric  
10:00-10:30 Respiratory anatomy and physiology review  
10:30-10:45 Break  
10:45-12:30 Literature review of selected research studies  
12:30-1:30 Lunch  
1:30-3:00 Evaluation and practice applications  
3:00-3:15 Break  
3:15-4:00 Case presentations  
4:00-4:30 Summary, Conclusions, Learning Assessment  
4:30-4:45 Collection of evaluations and CEU forms

**When:** Saturday April 26<sup>th</sup>, 2014

## **Single**

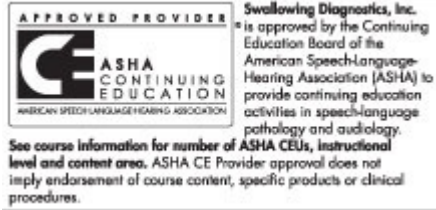
(Each Group member must register individually)

**Where:** La Quinta Inn and Suites,  
812 Kings Hwy, Port Charlotte 33980.  
(941)979-4200

**Registration Limited to 35 Participants**

**Cost: \$179.00, Group(3 or more) \$159.00**

## **Group (3 or more)**



This workshop is offered for 0.5 ASHA CEUs  
(Intermediate level, Professional area)

**Disclosures:** Speaker will receive an honorarium for speaking, travel & accommodations.

To register: <http://www.swallowingdiagnostics.com/education.htm>