

## Continuing Education

The University at Buffalo is approved by the Continuing Education Board of The American



Speech-Language-Hearing Association to offer continuing education activities in speech-language

pathology and audiology. This conference is being offered for 0.6 CEUs (Intermediate Level, Professional Area). ASHA approval of CE Provider status does not imply endorsement of course content, specific products, or clinical procedures.

## Learner Outcomes

At the conclusion of this program:

1. The participant will know the central and peripheral mechanisms affecting respiration.
2. The participant will know a program of respiratory strength training.
3. The participant will know how to implement a program of respiratory strength training and know what outcomes determine treatment

## Directions

Classics V is located at 2425 Niagara Falls Blvd., Amherst, NY.

From I-290W: Take Exit 3 for US-62/Niagara Falls Boulevard; turn right onto Niagara Falls Boulevard and drive for 1 mile. Classics V will be on your right.

From I-290E: Take Exit 3B for US-62/Niagara Falls Boulevard and merge onto Niagara Falls Boulevard; drive for 1.1 miles and Classics V will be on your

Dr. Rosemary Lubinski  
University at Buffalo  
Dept. of Communicative Disorders & Sciences  
120 Cary Hall  
Buffalo, NY 14214-3023



University at Buffalo  
State University of New York

Department of  
Communicative Disorders  
& Sciences  
Invites You To Attend

## Respiratory Muscle Strength Training: *Application and Interpretation*

Christine Sapienza, Ph.D.

Classics V Restaurant

Amherst, NY

October 16, 2009

## About the Speaker



Dr. Christine Sapienza received all of her academic degrees from the University at Buffalo, including a Ph.D. in 1993. Since that time, she has been a faculty member of the Dept. of Communication Sciences and Disorders at the University of Florida, Gainesville. Dr. Sapienza is Professor and Chair of the department. Her research focuses on normal and disordered speech and voice production in adult and pediatric populations. A Fellow of ASHA, Dr. Sapienza is the author of over 100 publications including the newly released text *Voice Disorders* (Plural Publishing, 2008). She received numerous teaching awards, given dozens of national and international presentations, and received many grants from NIH and other national and state funding agencies for her work in respiratory strength training.

## Support for Conference

This conference is supported by funds from the Department of CDS and a faculty grant. The conference is offered gratis to UB SLP externship supervisors and offered at cost to other professionals and students.

## Conference Description

This presentation will cover the technique of respiratory muscle strength training, both inspiratory and expiratory. The neural, peripheral, and behavioral outcomes of strength training will be reviewed with discussion of pertinent application to specific populations as well as discussion of expected outcomes. The functions of breathing, cough, swallow, and speech will be explored, and the outcomes from a prospective randomized clinical trial with patients with Parkinson's Disease will be summarized. Application of the technique with multiple patient populations will be explored and discussed.

## Conference Schedule

7:45-8:15	Registration and Continental Breakfast
8:15-8:30	Welcome
8:30-10:00	Neurodegenerative/Neurological Disease: Patient Profiles and Adaptability
10:00-10:15	Coffee Break
10:15- 12:00	Dysphagia: Assessment and Treatment Options
12:00-1:00	Buffet Lunch
1:00-2:30	Airway Protection: Cough Function, Measurement, Clinical Utility
2:30-2:45	Refreshment Break
2:45-4:00	Respiratory Muscle Strength Training: What, Why, Who, How, and When
4:00-4:30	Question/Answer Period

## REGISTRATION

# Respiratory Muscle Strength Training: Application and Interpretation

October 16, 2009

\_\_\_\_\_  
Name

\_\_\_\_\_  
Professional Affiliation

\_\_\_\_\_  
Address

\_\_\_\_\_  
Phone

\_\_\_\_\_  
Email

### Fees:

<b>Professional</b>	<b>\$100</b>
<b>Student</b>	<b>\$25</b>

**Make checks (US Funds) payable to:  
University at Buffalo Foundation**

**Mail check and registration form by  
September 25, 2009 to:**

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Email: cdsrosie@buffalo.edu  
Phone: 716-829-5565

No refunds after October 9, 2009.