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Department of Speech Pathology and Audiology
 W123 Thompson Hall
 SUNY Fredonia
 Fredonia, NY 14063



Biomechanics, Learning, and Compliance in Voice Therapy

April 21, 2006

**Williams Center All Purpose Room
 SUNY Fredonia**

Speaker

Katherine Verdolini, Ph.D., CCC-SLP

**Sponsored by the Department of
 Speech Pathology and Audiology
 and
 The Student Association at SUNY Fredonia**



05535

Course Description:

This workshop is appropriate for speech-language pathologists, voice scientists, otolaryngologists, paraprofessionals, vocal and singing coaches, and students of speech pathology and music. This workshop will be an innovative discussion of the inter-relationships between voice science, laryngeal biomechanics, and current intervention techniques.

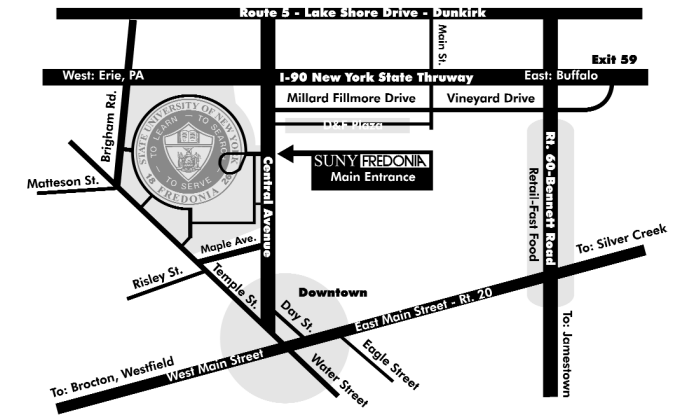
This workshop will specifically address the “models of clinical voice science.” The focus will be models of behavioral intervention for pathologies affecting voice. A main premise is that any model of clinical voice therapy has three parameters: 1) The ‘what’ of intervention—i.e. the biomechanical target of intervention; 2) the ‘how’ of intervention—i.e. how new motor patterns are acquired and overwrite existing patterns; and 3) the ‘if’ of intervention—i.e. factors affecting patients’ adherence to treatment directives or compliance. The seminar will address, in turn, models addressing each of these parameters. Then, existing therapy programs as well as eclectic approaches to treatment will be considered against the backdrop of the guiding framework. Approaches to be discussed will include Lee Silverman Voice Treatment, Vocal Function Exercises, Accent Method, Laryngeal Massage, Facilitating Techniques, Lessac-Madsen Resonant Voice Therapy, and a newly developed program, Casper-based Confidential Flow Therapy. The workshop will terminate with a critical review of existing therapy efficacy data and identification of gaps in the literature, which are non-trivial.

Learning Objectives:

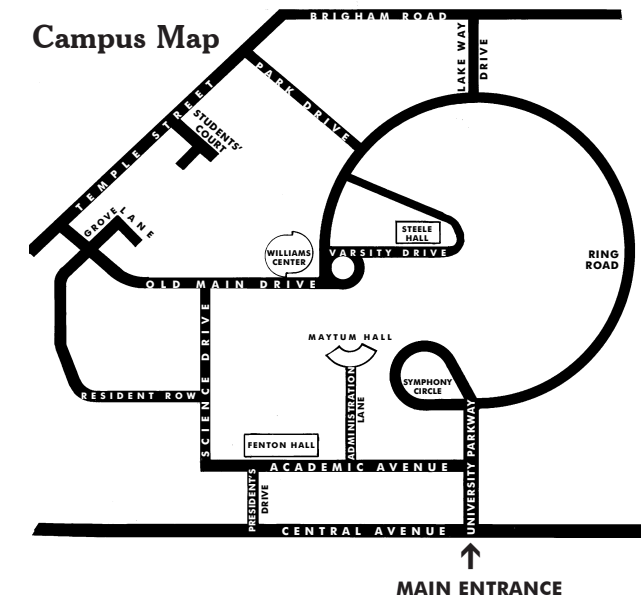
Learners will:

- Acquire information about the influence of vocal fold posturing on voice output intensity and vocal fold impact stress.
- Acquire information about the role of attention in motor learning and how attention may be directed to optimize learning.
- Acquire information about factors that may influence patient compliance in voice therapy.
- Acquire information about how principles of biomechanics, learning and compliance can be converged in the development of systematic voice therapy programs, and how programs can be tested empirically.

Village Map



Campus Map



- Enter campus on University Parkway (from Central Ave.)
- Turn left on Academic Avenue
- Turn right on Science Drive
- Turn right on Old Main Drive, Williams Center is on the left.

Program Schedule

8:00 a.m.

- Registration and Continental Breakfast

8:20 a.m.

- Welcome

8:30 a.m. - 10:00 a.m.

- Description of laryngeal biomechanics

10:00 a.m.

- Break

10:15 a.m. - 12:00 p.m.

- Motor learning

12:00 p.m.

- Lunch

12:45 p.m. - 1:45 p.m.

- Compliance in voice therapy

1:45 p.m.

- Break

2:00 p.m. - 3:45 p.m.

- Systematic voice therapy programs

3:45 - 4:00 p.m.

- Summary and Questions



Katherine Verdolini
Ph.D., CCC-SLP

Dr. Katherine Verdolini is Associate Professor of Communication Science and Disorders in the School of Health and Rehabilitation Science at the University of Pittsburgh. She completed her doctoral training in Experimental Psychology in 1991, at Washington University. Her general focus is clinical voice disorders. Her research has addressed numerous issues relative to voice disorders, including the effects of hydration and dehydration on vocal performance; laryngeal biomechanics; occupational and other risk factors for voice disorders; cognitive and neural substrates of motor learning, and their relevance for voice therapy; and efficacy of voice therapy for phonotrauma. She is the former recipient of a K23 Award and current recipient of an R01 Award from the National Institute on Deafness and Other Communication Disorders (NIDCD), an institute of the National Institutes of Health (NIH). She currently serves as reviewer for R21, R03, and R01 applications for the NIDCD. She is also Associate Editor and Editor-Elect for Speech for the *Journal of Speech-Language-Hearing Research*. She is a member and Fellow of the American Speech-Language-Hearing Association, and also member of the National Association of Teachers of Singing, the Voice and Speech Trainers Association, and the Cognitive Neuroscience Society. She is a licensed speech-language pathologist in the state of Pennsylvania.

Conference Registration Form

Biomechanics, Learning, and Compliance in Voice Therapy

April 21, 2006

Name: _____

Address: _____

City/State/Zip: _____

Day Time Phone: _____

Home Phone: _____

E-Mail: _____

Professional Specialization: _____

Current Work Place: _____

Pre-Registration Fee: \$125.00

Non-Fredonia Student: \$ 60.00

(Send copy of current student ID)

Breakfast, Lunch & Refreshments included

Deadline to Mail Register: **March 31, 2006**

No In-Person Registration

Payment: complete registration form and mail with check or money order payable to:
Speech Pathology Department

Mailing Address:

Sandra Goddard
SUNY Fredonia
Speech Pathology Department
Thompson Hall
Fredonia, NY 14063

State University of New York at Fredonia

Continuing Education Credits Through ASHA:

SUNY Fredonia is approved by the Continuing Education Board of the American Speech-Language and Hearing Association (ASHA) to offer continuing education activities in speech- language pathology and audiology. This program is offered to SLP's for proposed .6 CEU's. Intermediate level (2), Professional Area. ASHA approval of CE provider status does not imply endorsement of course content, specific products or clinical procedures.