Dysphagia Therapy in Adults:
Exercise & Modalities

COURSE OBJECTIVES

• describe muscles involved in normal swallowing and identify impaired muscle activity
• discuss basic principles underlying the clinical application of transcutaneous electrical nerve stimulation (E-Stim) and surface electromyographic biofeedback (sEMG)
• describe the basic principles underlying the clinical application of Surface Electromyographic Biofeedback (sEMG)
• demonstrate the basic operation and application of a portable sEMG biofeedback unit
• describe the basic principles underlying the clinical application of Surface Electromyographic Biofeedback (sEMG); and Neuromuscular Electrical Stimulus (NMES) therapies in dysphagia
• compare and contrast the two treatment modalities

REGISTRATION DEADLINE:
May 3, 2007

COST:
$369 includes an extended course syllabus, Continental breakfast, refreshment breaks and Certificate of Attendance

WHO WILL BENEFIT – Speech/Language Pathologists

COURSE OVERVIEW

This course is designed to prepare participants to provide dysphagia therapy in a functional environment. Clinical principles will be enhanced through the use of sEMG biofeedback, EMG, E-Stim and case-based problem-solving techniques. Participants will learn how sEMG and E-Stim are used in the clinical setting along with comparison to fluorographic interpretation of movement deficits in the adult patient with dysphagia. The course will also include a review of muscles (and neural innervation) involved in swallowing in adults with and without dysphagia. These sections will be presented within an exercise program context to familiarize participants with the application of movement analysis from fluorographic swallowing studies in adults with dysphagia.

Hands-on application with portable sEMG biofeedback unit will be provided to all participants. No E-Stim equipment will be used in this course. This course will also include a review of muscles (and neural innervation) involved in swallowing in adults with and without dysphagia. The course will describe basic principles of exercise physiology, sEMG, E-Stim and discuss clinical applications.

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