

Program Instructor

Mary Spremulli, MA,CCC-SLP, resides in SW Florida, and holds a speech pathology and nursing license. Ms. Spremulli is founder of Voice Aerobics, LLC, a private practice, and is the author of VoiceAerobics™DVD, a home exercise program for individuals with voice changes due to Parkinson's and other conditions. Ms Spremulli has been a clinical consultant for Passy-Muir Inc. since 1992, and is a seminar leader with Cross Country Education . She has presented previously at FLASHA and ASHA on topics related to tracheostomy and clinical ethics, and has published articles related to Patient Education and Clinical Ethics.

Photo courtesy of Passy-Muir , Inc.



Background:

Tracheostomy is one of the most commonly performed surgical procedures in the critically ill patient who requires prolonged mechanical ventilation. Early tracheostomy may shorten the ICU days on mechanical ventilation, and the tracheostomized patient may require less sedation and be better able to participate in multidisciplinary treatment. Although the role of the tracheostomy and its causal effect on swallowing function is unclear, many patients with tracheostomy do aspirate, requiring team members to understand the role of cuff deflation, tracheostomy tube occlusion, and the use of one way valves. Impairment in communication due to mechanical ventilation has been described as a terrifying experience for critically ill patients, and is a significant factor in the assessment of pain and other symptoms .In the pediatric patient, even without an associated neurological disorder, tracheostomy is reported to affect speech and language development. Therefore, knowing the criteria for use of speaking valves and other communication options may enable all members of the team to reduce the detrimental effects of voicelessness in the adult and pediatric patient.

Course/Content Outline

- 8:00 - 8:15** Introduction and overview of seminar.
- 8:15 - 9:15** Indications for artificial airways. Who are the patients? Risks and benefits to tracheotomy tubes. Physiologic effect of tracheotomy tube on aero-digestive tract.
- 9:15 - 9:30** Role of cuffs on ET and tracheotomy tubes. Airway protection/prevention strategies against Ventilator Associated Pneumonia (VAP).
- 9:30 - 9:45** Review various types of tracheotomy tubes (adult and pediatric). Rationale for tube selection (cuffed/uncuffed, fenestrated, etc.)
- 9:45 - 10:00** Tracheal suction: evidence based guidelines. Complications of suctioning and video demonstration
- 10:00 - 10:15 BREAK**
- 10:15 - 11:30** Review: normal swallowing. Effects of artificial airways on swallowing (ET tubes and tracheotomy)
- VIDEO: FEES** study patient with tracheostomy
- 11:30 - 12:00** Video Case Study#1
- 12:00 - 1:30 LUNCH**
- 1:30 - 2:15** VIDEO: ventilator patient Communication. Assessing Decisional Capacity: A Role for SLP's
- 2:15 - 2:30** Video Case Study #2
- 2:30 - 3:30** Pediatric Assessment and Treatment
- Airway anatomy differences from adult. Pediatric related medical dx. Requiring tracheostomy. Signs/symptoms of respiratory distress in children. Tracheostomy effect on swallowing
- 3:30 - 3:45 BREAK**
- 3:45 - 4:00** Communication development and tracheostomy. Indications/Application of PMV pediatrics
- 4:00 - 4:15** Pediatric Case Study #1
- 4:15 - 4:50** PMV and Ventilator Patients: What you need to ask the Respiratory Therapist. What the Respiratory Therapist may ask you
- 4:50-5:00** Wrap-up/Questions



Evaluation and Rehabilitation of Adults and Children With Tracheostomy

Saturday
March 27, 2010

Marshall Student Center
MSC 3705



Name as it is to appear on certificate of completion (please print legibly): _____

Address: _____ City: _____ ST: _____ Zip _____

Phone: _____ Email: _____ FAX: _____

Course Date: Saturday, March 27, 2010 8:00a.m.-5:00 p.m. **Registration Fee:** \$155.00 per person

Discipline: _____ Audiologist _____ SLP \$55.00 per person for students

To register online, go to:

https://diablo.forest.usf.edu/ustores/web/store_main.jsp?STOREID=24

CONTACT: Cheryl Paul, M.S., CCC/SLP
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As a result of attending this course, participants will be able to:

- describe the indications for artificial airways in adult and pediatric patients.
- examine the physiological effects of tracheostomy on the aero-digestive tract of respiration, speech and swallowing.
- implement a clinical evaluation of the tracheostomized patient, including criteria for use of a closed position speaking valve.
- develop a multidisciplinary care plan that includes goals which will facilitate communication, nutrition, and de-cannulation.

REGISTRATION: The registration fee for the course is \$155.00 per person (\$55.00 per student). Registration must be paid by credit or debit card. Registration deadline is 7 days prior to the course. Proceeds from this course will go toward the educational and research programs of USF-CSD.

CANCELLATION POLICY: Refunds will be issued if written notification of cancellation is received at least 10 days prior to the course. There will be no refunds issued after March 17, 2010. The Department of Communication Sciences and Disorders at USF (CSD) reserves the right to cancel this workshop for insufficient registration or unforeseen circumstances. Cancellation of the workshop will result in a full tuition refund. However, CSD will not be responsible for financial loss due to cancellation including airline and hotel accommodations.



The University of South Florida is approved by the Continuing Education Board of the American Speech-Language-Hearing Association (ASHA) to provide continuing education activities in speech-language pathology and audiology. See course information for number of ASHA CEUs, instructional level and content area. ASHA CE Provider approval does not imply endorsement of course content, specific products or clinical procedures.

This course is offered for .7 ASHA CEUs (Intermediate level, Professional area).

This course approved for .7 CEUs for Physical Therapists with Florida CE Broker

To register online, click link on registration form to the right

Course Description

This one day course will provide participants with knowledge about the common indications for endotracheal tubes and tracheostomy tubes in patients with respiratory system diagnosis. The various types of adult and pediatric tracheostomy tubes and adaptors, and the effect of the tracheostomy on the functions of the upper aerodigestive tract, including speech and swallowing will be discussed.

Precautions, complications, and tracheostomy care, including evidenced based guidelines for tracheal suction will be reviewed. Criteria for use of speaking valves, placement demonstration, and guidelines will be provided. The pediatric patient will be distinguished from the adult patient, with special consideration for evaluating children in the home or school setting. The roles of various team members, formulation of policies and procedures, and criteria for patient selection for early intervention will be discussed. All team members will have an opportunity to prepare for treatment planning, goal setting, and trouble shooting utilizing case studies.

This course will be offered in room MSC 3705—The Manatee Room—of the Marshall Student Center building on the Tampa campus of the University of South Florida. The course will be offered on **Saturday, March 27, 2010 from 8:00a.m. until 5:00 p.m.** Click this link for directions and a map to the Marshall Student Center. <http://msc.usf.edu/directions.htm>. Proceeds from this course will be used to further the educational and research mission of USF-CSD.

Parking

There is visitor parking in the Crescent Hill Parking Facility near the Marshall Center. There are also meters, and handicap parking available near the center. **Call the campus parking department for current costs and locations at (813) 974-3990**