



Select Medical Outpatient Division
Clinical Education Department
1217 Ira E. Woods Avenue, Grapevine TX 76051
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TO: Managers and Clinicians
FROM: Alan Evans, PT, MOMT, FAAOMPT, MCSP
DATE: 6/29/2010
RE: **EDUCATION PROGRAM ANNOUNCEMENT**
Current Concepts and Practical Applications

Please find below information regarding a clinical education course scheduled for your area:

COURSE: Neural Mobility: Examination and Intervention Strategies
DATES: September 11-12, 2010
SCHEDULED INSTRUCTORS: Mark Butler, PT, MPT, OCS, Certified MDT
Medford, NJ
LOCATION: Select Physical Therapy
6000 Turkey Lake Road, Ste. 203
Orlando, FL 32819
Host Center Manager/Contact: Jerome Vandal

DIRECTIONS: From Orlando International Airport, take SR-528 BeachLine West towards I-4. Take I-4 East towards Daytona, and exit at Kirkman Road North (exit is on the left side of highway). At the second traffic light, turn left on Vineland Road. At the end of the road, make a left on Turkey Lake Road. The building is one block on your right side – 6000 Turkey Lake Road, Suite 203 (2nd floor). Parking is available on site. Orlando Int'l Airport is approximately 15 miles.

Tuition is waived for employees of Select Medical Corporation's Outpatient Division. Course enrollment is limited to 25 participants.

Space is limited and is allocated on a first come first serve basis. Course participants will be given a certificate for 17.7 (FL) contact hours of education. Participants will receive notification by e-mail from the Clinical Education Department confirming their acceptance into the program 4-6 weeks prior to the course. If you have not received confirmation of your status 30 days prior to the date of the program, call 817-488-5159 or email linda.gilles@selectmedicalcorp.com

All participants are expected to attend the entire educational program. No partial continuing education credit can be extended. In the event that an individual who has been confirmed for a program fails to attend without giving prior notification, notification of their absence will be sent to their Market Manager.

Please be advised that the Clinical Education Department will not be able to reimburse the participant for any travel, lodging, or meal costs associated with attendance at the program.

Neural Mobility: Examination and Intervention Strategies **September 11-12, 2010 – Orlando, FL**

Course Overview/Description:

This seminar covers basic to advanced concepts for examination of restricted neural mobility and intervention strategies to address the dura, nerve bed, and the peripheral nerves. This course includes laboratory sessions in which participants will practice neural mobilization and examination techniques. Participants are encouraged to wear loose, comfortable clothing. Shorts are recommended as well as halter or swim suit tops for women in order to allow for proper practice of techniques.

Target Audience: PTs, OTs, PTAs, COTAs, ATCs **Instructional Level:** Intermediate

Course Objectives:

At the conclusion of the course, the participant will be able to:

Knowledge:

- list the components of the brachial plexus.
- identify the signs and symptoms that a brachial plexopathy is present.

Comprehension:

- describe how movement affects nerve healing.
- describe areas of vulnerability of the nervous system and the resulting pathologies that can develop
- explain the etiology of nerve injury.

Application:

- selectively apply tension to the brachial plexus and major peripheral nerves of the upper and lower extremities.
- document findings of neural mobility and track progress objectively.
- apply basic treatment including exercises, manual techniques, and home exercise/ADL modification.
- treat peripheral nerve entrapments in the upper and lower extremities

Analysis:

- differentiate between neural and non-neural structures as a possible symptom generator.
- differentiate a plexus lesion vs. a cervical radiculopathy or a distal peripheral nerve entrapment i.e. cubital tunnel, carpal tunnel etc.
- localize the site of lesion within the brachial plexus based on the patient's signs and symptoms.
- know how to progress and when to progress treatment.

Synthesis:

- establish a baseline of plexus mobility and patient's tolerance to movement of the upper extremity.
- prognosticate the patient's potential for rehab based on clinical examination and findings.
- establish treatment strategies and goals for the first treatment.
- combine neural mobilization with other advanced manual therapies.

Evaluation:

- palpate and /or differentiate peripheral nerves from surrounding tissue.
- perform a comprehensive evaluation of the brachial plexus.
- apply the 5 base tests for assessing neural mobility.

AGENDA

Day One:

7:30 – 8:00	Registration
8:00 – 8:15	Introduction
8:15 – 8:45	Anatomy Overview
8:45 – 9:45	Palpation Lab: Lower Extremities
9:45 – 10:00	Break
10:00 – 10:45	Palpation Lab: Upper Extremities
10:45 – 11:15	Nervous System's Design for Movement, Force Dissipation, and Protection
11:15 – 11:45	Etiology of Pathology / Areas of Vulnerability
11:45 – 12:00	Q & A, Self stretch
12:00 – 12:45	Lunch
12:45 – 1:45	Base Tests Lab: The Trunk and Lower Extremities
1:45 – 3:00	Base Tests Lab: The Upper Extremities
3:00 – 3:15	Break
3:15 – 3:30	Tension Points
3:30 – 4:15	Tension Points Lab
4:15 – 4:30	Documentation of Findings at Evaluation
4:30 – 4:45	Indications / Contraindications / Precautions
4:45 – 5:00	Wrap up, Q & A

Day two

8:00 – 8:30	Review, Q & A
8:30 – 9:00	Structural Differentiation, Order of Joint Motion
9:00 – 9:45	Structural Differentiation, Order of Joint Motion Lab
9:45 – 10:15	Introduction to the Brachial Plexus
10:15 – 10:45	History and Exam of the Brachial Plexopathy Patient
10:45 – 11:00	Break
11:00 – 11:45	Lab: Examination of the Brachial Plexopathy Patient
11:45 – 12:15	Prognosis and Staging of the Brachial Plexopathy Patient
12:15 – 1:00	Lunch
1:00 – 1:30	Lab: Beginning Point – Basic Treatment Essentials
1:30 – 2:00	Basic Treatment Progression
2:00 – 2:30	Lab: Gliding vs. Stretching
2:30 – 3:00	Lab: Treating the Nerve Bed – “The Container”
3:00 – 3:45	Lab: Advanced Treatment Techniques & Combination Techniques
3:45 – 4:00	Case Studies, Wrap up, Q&A

Instructor Biography

Mark Butler, PT, MPT, OCS, Cert. MDT is a board certified Orthopaedic clinical specialist and Mckenzie certified specialist for mechanical diagnosis and treatment of the spine. He started his own practice eighteen months after graduating from the Philadelphia College of Pharmacy and Science (now the University of Science in Philadelphia), which he sold to NovaCare in 1997. He is Adjunct Faculty at Rutgers UMDNJ and guest lecturer at Stockton College in New Jersey where he lectures on Advanced Orthopedics, Neural Mobilization, Radiology, Evaluation and Treatment of the SI Joint, and Evaluation and Manual Treatment of the Cervical Spine. Mark is also a continuing education speaker on Evaluation and Treatment of Brachial Plexopathies, Neural Mobilization, Evidence Based Evaluation and Treatment of the Lumbar Spine, and Examination and Treatment of the Shoulder. He was honored with the *James Tucker Excellence in Clinical Practice and Teaching Award* by the APTAnj for 2006. He presented at the national conference in Hollywood of the American Society of Hand Therapists on Evaluation and Treatment of the Brachial Plexopathy Patient. His lecture series was selected as the featured topic on CD ROM to be available to the ASHT membership. Mark authored the chapter on the shoulder in the textbook *Fundamentals of Hand Therapy: Clinical Reasoning and Treatment Guidelines for Common Diagnoses of the Upper Extremity*, which was published in 2006. He continues to manage the NovaCare Medford outpatient clinic, where the majority of his caseload is brachial plexopathy, shoulder, and spine patients. When not at work, he spends as much time as possible with his beautiful wife and two darling daughters.

Instructor(s) Disclosure:

The instructor has declared he does not have any financial interest or other relationship with the manufacturers or providers of services that may be discussed during the course.

Program Accreditation:

The Select Medical Outpatient Clinical Education Department is approved or has applied for accreditation by the following organizations or licensing bodies to provide continuing education for this program. The program offers 17.7 (FL) hours for full attendance and completion of all course requirements. Accreditation by the providers below does not imply endorsement of the course content, specific products, or clinical procedures. Approval or endorsement by other organization or licensing bodies is the responsibility of the participant.

Florida Physical Therapy Association



ADA Compliance:

The Select Medical Outpatient Clinical Education Department will take all reasonable measures to guarantee equal access to learning opportunities for attendees with disabilities. Educational programming will be sensitive to any sensory or physical impairment that requires special arrangements on behalf of the participant. Please indicate on your registration form if you should be contacted regarding any physical or mental impairment that would require special accommodation to ensure a satisfactory learning experience.