Ned Crane, DPT, DAC

Ned has been involved in the health and fitness field for over twenty years. He started as a student Athletic Trainer for Milton Hershey High School from 1988-1991. He then graduated with a BA from LaSalle University in 1994 and worked for Bally Total Fitness as a Personal Trainer and Center Service Manager before returning to school. He graduated from Arcadia University in 2005 with a DPT and began his career in outpatient Physical Therapy. Ned is currently the Market Manager for NovaCare in the Lower Bucks Co. area and is based for the past 4 years at the Bristol PA center. There, he has developed an advanced return to sport/work after concussion program and an injury prevention program for local businesses. The Bristol location also offers programs for Vestibular Dysfunction and Loss of Balance, TMJ Disorders, Pediatrics, Work Hardening, Aquatic Therapy and both general and postsurgical Orthopedic Rehabilitation. Ned also is a Mentor for the Arcadia University Honors program and Clinical Instructor for Physical Therapy Students.

**Additional Information**

Instructional Methods: Lecture/Lab/Demonstration
Student to Faculty Ratio: 15:1

**Program Accreditation:**

Select Medical is an approved provider with the National Athletic Board of Certification #P570 and American Occupational Therapy Association #4018. This course has been approved by the California Physical Therapy Association for 1.45 CEUs.
**Advanced Vestibular and Concussion Management**  
**September 13-14, 2014**

### Agenda

#### Saturday, 9/13/14
- 8:00  Pre-requisites review and course objectives
- 8:30  Screening, Examination and Terminology
- 10:00  Break
- 10:15  Screening and Examination
- 10:45  Lab 2: The Ear and Hearing, Balance
- 11:15  Screening and Examination / Videos
- 11:30  Lab 3: Functional Mobility and Gait
- 12:00  Lunch
- 12:30  Student Athlete, Acute Concussion, Second Impact Syndrome Lecture and Videos
- 1:30  Central vs. Peripheral Nystagmus Lecture and Videos
- 2:00  BPPV Lab Examination, Diagnosis and Evidence Review
- 3:00  Break
- 3:15  BPPV Lab Intervention
- 4:00  Case Studies
- 5:00  Review and Practical Demonstrations
- 5:30  Close

#### Sunday, 9/14/14
- 8:00  Evaluation, Evidence Review and Management for Concussion and Post-Concussion in pediatric and adult populations
- 9:30  Adaptation and Substitution Exercise Lab
- 10:30  Break
- 10:45  Habituation Exercise Lab
- 11:15  Balance and Biofeedback Exercise Lab
- 12:00  Strength and Stability Exercise Lab
- 12:30  Break
- 12:45  Manual Intervention Lab
- 1:30  Case Studies
- 2:15  Review and Practical Demonstrations
- 2:45  Close

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### Course Description

Evidence Based Approach to Examination, Assessment, Differential Diagnosis and Treatment of the Patient with Headache, Concussion, Vertigo, Dizziness or Loss of Balance.

### Course Objectives

Upon completion the participant will be able to:
- Perform a thorough medical history review and medical screening to assess if appropriate for a Vestibular or Concussion Rehabilitation Program or a referral to a physician/specialist.
- Be competent in performing Vestibular based examinations, tests and measures to correctly diagnose most likely cause of Central vs. Peripheral Vertigo, signs and symptoms of a Concussion or Post-concussion Syndrome, fall risk and functional impairments.
- Set appropriate treatment plan and goals based on subjective report, objective findings and level of functional limitation.
- Be able to design, implement and advance a Vestibular/Balance/Concussion exercise program for the patient.
- Screen and evaluate without a referral for appropriateness for Vestibular Therapy or referral for medical management.
- Identify acute signs and symptoms of a concussion.
- Evaluate, treat and progress the patient with a Concussion or Post-Concussion Syndrome following an evidence based protocol.

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**Questions:**

If you have questions, please contact course Coordinator, Erin Melton: emelton@selectmedical.com or 804-290-0107.

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**Registration Fee:** $395.00

**Payment Options:**
1. Fax completed registration/payment info to 717.635.3897  
   Check payable to: Select Medical
2. Credit Card: □ Visa □ Mastercard □ Check  
   Credit Card number: ____________________________
   Expiration Date: _______ CCV Code: ____________
   Signature: ________________________________

3. Mail Registration and Check to:  
   Select Medical  
   Attn: Erin Melton  
   1794 N. Parham Road, Richmond, VA 23229  
   Fax: 717.635.3897  
   Email: emelton@selectmedical.com

**Cancellation Policy:** Written notification of cancellation 10 days prior to course date – Refund request will be honored (less $50 processing fee). Cancellation notification within 10 days prior to the course will result in full forfeiture of tuition amount. Select Medical reserves the right to cancel this program. In the event of course cancellation, a full refund will be given.

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**Enrollment for SELECT MEDICAL EMPLOYEES only**

http://smportal/Departments/OutpatientDivision/outpatientEducation/SelectLivePrograms/CourseCalendar/tabid/643/Default.aspx or contact emelton@selectmedical.com for an application form.