

Course Overview

Concussion (mTBI) is widespread and prevailing injury, with reported estimates as high as almost 4 million injuries occurring in the US each year by the centers of disease control. Physical therapists and athletic trainers are frequently consulted to mediate in the evaluation and management of individuals with prolonged post concussion symptoms including dizziness, balance, and/or physical impairment. With estimates up to 1/2 of patients with sports related mTBI experience binocular vision impairment physical therapists have the potential to be gatekeepers in detection and co-management of these patients. Therapists treating impairment in persons following mTBI must be familiar with screening, gross evaluation, and therapy techniques for common ocular motor pathology. This seminar and hands on workshop will provide therapists and trainers with the tools to better evaluate and manage common visual impairments following mTBI.

Course Schedule

8:30-10:00 (90min) Ocular Anatomy and Physiology: A review of the oculomotor, vergence, and accommodative system.

10:00 – 10:15 (15 min) Break

10:15– 11:30 (75min) Assessment Techniques: ocular misalignment

11:30 – 12:30 (60min) Assessment Techniques: vergence, accommodation and oculomotor pathology.

12:30 – 1:30 (1hr) Lunch

1:30 – 2:30 (60min) Case Study and Implementing Vision therapy: Transferring the care to PT and coordinating with the eye care professional.

2:30 – 2:45 (15min) Break

2:45 -4:30 (105min) Vision Therapy Techniques for the rehabilitation professional: A hands on approach

Course Objectives

By the end of this course attendees will:

1. Discuss the anatomy and physiology of the ocular motor, vergence, accommodative, and vestibular system.
2. Describe how visual system pathology is coupled with vestibular dysfunction.
3. Identify the most common visual impairments occurring after mild traumatic brain injury.
4. Demonstrate screening and assessment techniques for identifying visual system impairment following mTBI for rehabilitation professionals.
5. Identify potential intervention for rehabilitation professionals managing visual deficits following mTBI.
6. Demonstrate common rehabilitation techniques to treat oculomotor impairment for rehabilitation professionals.

Physical Therapy at St. Luke's Course Registration

*Evaluation and Treatment of
Visual Dysfunction after mTBI:
Concepts for the Rehabilitation Professional*

Saturday April 18, 2020

Registration Fee: \$150

Register by phone or mail.

Name _____ Degree ___ License# _____

Address _____

City _____ State _____ Zip _____

Daytime phone _____ Email _____

Registration deadline is 5 days prior to course date.

For Questions Or to Register By Phone:
Call: (484) 426-2544

To Register by Mail:
Physical Therapy at St. Luke's
501 Cetronia Rd.
Allentown, PA 18104

Credits:

Pending approval by NJ Board of Physical Therapy Examiners for 6.5 CE hours (This course involves 3.75 hours of evaluative procedures to treat a person without referral)
Must achieve a passing score of 80% on the post-test and complete self-assessment to earn credit

Cancellation Policy: Requests for cancellation must be received in writing by fax or mail ten (10) days prior to the seminar in order to receive a refund less a \$20.00 administrative charge per canceled attendee. If the cancellation is made within ten days or less, refunds will not be granted for any reason; instead, credit will be given equal to the amount paid that may be used toward the purchase of any course offered by Physical Therapy at St. Luke's.



Presents

***Evaluation and
Treatment of
Visual Dysfunction
after mTBI***

**Saturday
April 18,
2020
Bethlehem, PA**

Course Presenter

Nathan Steinhafel, MS, OD, FAAO

Dr. Nathan Steinhafel received his Optometry degree from the Southern California College of Optometry and completed his residency specializing in pediatric optometry, binocular vision, TBI, and vision rehabilitation at the University of Alabama at Birmingham, where he also served as a clinical instructor for Optometry students and residents. Dr. Steinhafel also holds a Master's of Science degree in Neurophysiology from Brigham Young University. He is a fellow of the American Academy of Optometry within the neuro optometric section and was a masked examiner for the pediatric eye disease investigator group (PEDIG). He is currently a member of the Neuro-Optometric Rehabilitation Association and the American Academy of Optometry. Dr. Steinhafel is an industry consultant and part of the speaker's bureau for ImPACT technologies, a clinical research group that provides evidence based computerized detection of concussion. He is currently the director of TBI vision services at Armstrong Eye Care Associates in Pittsburgh, Pennsylvania, and works adjunctively with regional hospitals devoted to mTBI including UPMC's Department of Sports Medicine and UPMC Centers for Rehab Services. His clinical specialties include amblyopia, strabismus, binocular vision, adult motilities, traumatic brain injury, and vision therapy.