

Advanced Pain Connection

- Neuro & Personal Injury Solutions -

Times: Saturday 8 am – 5:30pm, Sunday 8:00 am – 12:15pm

Instructor(s): Dr. Trevor Berry, DC, DACNB & Dr. Scott Tauber DC, DABCO

Total CE hours: 12

Abstract Summary: The purpose of this lecture is to present the fundamentals of an integrative neuroscience-forward clinical framework for addressing pain and musculoskeletal injury presentations Post-MVA. The presenters will present a rational framework for approaching painful musculoskeletal conditions that is consistent with current guidelines for pain management. Specific therapeutic modalities will be presented. These include modalities including LLLT, nutrition, topical therapies, receptor-based therapy, joint mobilization, vestibular therapies and other therapies that may be utilized in acute injury and post-concussion syndromes. Assessment and documentation for MVA related injuries as well as using objective biomarkers for outcome assessment will be utilized.

Main Objectives:

- Understand the mechanisms of MVA injuries
- Appreciate the pathophysiology associated acute and chronic pain mechanisms following MVA
- Demonstrate an integrative approach to the treatment of neurogenic consequences following MVA
- Assessment and documentation of MVA injuries
- Understand mechanisms of TBI and post-concussion syndrome
- Understand the mechanisms and rationale of Low Level Laser Therapy following MVA injuries

Take Away Concepts: (The learner will be able to)

- ✓ Develop a rational and efficient pain management plan based on an integrative, neuro-orthopedic and Low Level Laser paradigm. Proper assessment and documentation for MVA injuries. Using objective biomarkers for outcome assessments.
- ✓ Understanding treatment paradigms that can be used immediately.
- ✓ Understand outcomes assessments that demonstrate the efficacy and quality improvement of therapy that is performed based upon diagnostic direction.

Key Words: (Critical components and Concepts)

- ✓ Pain management; integrative physical rehabilitation; physical rehabilitation; TBI/mTBI, Post-Concussion Syndrome, CAD injury, Personal Injury

Targeted Clinicians:

This program is designed for the following provider types: (Those with state licensure and or practice and utilization parameters of the material taught as defined within their individual scope of practice).

- ✓ Doctors of Chiropractic
- ✓ Medical Doctors
- ✓ Doctors of Osteopathy
- ✓ Naturopaths
- ✓ Nurse Practitioners
- ✓ Physician Assistants
- ✓ Registered Dietitians
- ✓ Clinical Nutritionists
- ✓ Acupuncturists
- ✓ Oriental Medicine Providers
- ✓ Certified Health Coaches

Instructional Methods:

- On stage presentation
- Power Point/Key Note/PDF's
- Hands on demonstrations
- Q and A sessions
- Case Studies
- Notes available
- Post session testing for credit as set forth by the standards needed per hour.

Summary:

The information in this lecture is designed to connect the practitioner to real life topics with material and concepts that are rapidly evolving. Many components of this lecture can be coupled with overall health and wellness which is supported by appropriate laboratory testing for the aforementioned topics. Students will have notes and references to utilize as a study tool along with cases and access to instructions during session times.

Program Outline:

Understanding and documenting mechanisms of injury post MVA. Utilizing acute phase modalities post injury including Low Level Laser Therapy. Understanding why patients transition from acute to chronic pain and Post-concussion syndromes. Providing therapeutic solutions for acute and chronic injury rehabilitation. Using an integrative approach to understanding common post-concussion syndrome concomitants. Proper documentation and objective biomarkers for MVA injuries

Saturday

7:30-8:00 Registration: Meet and greet and find your seat

8:00-9:45am Dr. Tauber

- Introduction to Personal Injury care and management
- Identify risk and liability within Personal Injury cases
- Working in the med-legal arena and carrier issues
- Overview of the initial Personal Injury patient encounter
- Mechanism of motor vehicle accidents and occupant kinematics
- TBI elements within the initial PI patient history

9:45-10:00am Break

10:00-12:00 Dr. Berry

- Introduction to Low Level Laser Physiology
- Inflammation and Pain physiology
- Central mechanisms of Inflammation and Pain
- Pain, Inflammation and Low Level Laser Therapy (LLLT)
- FDA Clearances and LLLT
- Supporting medical necessity with FDA cleared research

12:00-1:00 Lunch

1:00-2:30 Dr. Tauber

- Elements of the initial Personal Injury patient examination
- Overview of a basic post-MVA TBI and neurological examination
- Identify and document commonly over-looked injuries and conditions
- Diagnostic imaging and associated testing for specific traumatic injuries
- How to humanize and objectify PI patient injuries
- Outcome assessments and interrogatories in Personal Injury

2:30-3:30 Dr. Berry

- Basic LLLT applications for common MVA injuries
- Upstream approach to Pain management post MVA
- Introduction to why patients transition from acute TBI to Post-concussion syndrome

3:30-3:45 Break

3:45-5:30 Dr. Tauber / Dr. Berry

- Demonstration of basic LLLT applications for pain and injury management
- Demonstration of advanced LLLT applications for chronic pain patients
- Demonstration of advanced LLLT applications for Post Concussion syndrome co-morbidities

- Demonstration for assessment and treatment for common vestibular injuries post MVA
- Neurological exam review, hands on demo

Sunday

8:00-9:10

Dr. Tauber

- Basic elements of Personal Injury patient documentation
- Documentation components of four unique PI patient office visits
- Overview of Personal Injury case management
- Co-management and integrative care considerations

9:20-10:00

Dr. Berry

- Barrier systems and TBI
- M2 glial resolution
- Nutritional considerations in acute TBI and Post-concussion
- Mitigating long term neurodegeneration post TBI

10:00-10:15

Break

10:15-11:00

Dr. Berry

- Barrier systems and TBI
- M2 glial resolution
- Nutritional considerations in acute TBI and Post-concussion
- Mitigating long term neurodegeneration post TBI

11:00-12:00

Dr. Tauber

- Putting all the concepts together for success
- Steps to create PI specific systems, algorithms and protocols
- Closing remarks

12:00-12:15

15 minutes: Q and A (Dr. Tauber and Dr. Berry)

References:

Illustrated Essentials in Orthopedic Physical Assessment– Ronald Evans

Guides to the Evaluation of Permanent Impairment – 5th Edition, AMA Press

Whiplash and Mild Traumatic Brain Injuries – Arthur C. Croft

Pending final content