



**Chiropractic BioPhysics**  
CBP—The Science of Spinal Health

**2019**

## **Module 11. CBP® Whiplash Injury & Treatment Update**

**Course Title:** Whiplash Injury & Treatment Update

**Instructors:** Dr. Deed Harrison, Dr. Joseph Ferrantelli, Trial Lawyer Matthew Powell, Dr. Evan Katz, Dr. Joe Betz, Dr. Jason Jaeger

**Course Objective:** This course provides an integrated education for the Doctor of Chiropractic in the Science and Art of chiropractic analysis and management of patients injured in motor vehicle collisions. Biomechanical, neuro-physiological, and epidemiologic aspects of whiplash injuries will be reviewed and discussed. Understanding/differentiating subtle and complex ligament injuries of the cervical spine will be presented. Litigation and documentation of whiplash injuries and a review of the International Chiropractors Associations Best Practice and Whiplash Injury Guidelines will be presented. An update-to-date review of research material will be presented supporting the utilization and efficacy of a variety of Chiropractic examination/documentation procedures, and treatment techniques across motor vehicle injury populations.

**Total Hours:** 12 – 16 (*Pending on Location of Course. Courses taught in Eagle, ID at the Ideal Spine Health Center are 16 hours of Training: Friday-Sunday*)

**Friday**  
**4pm-8pm**

**Workshop--Mirror Image Procedures of the Cervical-Thoracic Region**

- Mirror image exercise implementation and application into a chiropractic practice: equipment needs, timing, and appropriate supervision of patient populations,
- Mirror image exercise for head and cervical postural displacements,
- Mirror image exercise for strength and conditioning in cervical postural displacements.
- Pope 2-Way cervical 3-point bending traction method,
- Compression extension cervical spine traction method,
- Compression extension 2-way cervical spine traction method,
- Coronal & Sagittal plane head translation traction methods,
- Mirror-Image Exercises for cervical spine/postural subluxations,
- Body weighting and dynamic braces for cervical spine/postural subluxations,
- Drop Table and Instrument Mirror-Image Adjusting.

**4Hr. CE. Lecture, Technique-CBP**

**Saturday**  
**9am-11am**

**Biomechanical Definition of Subluxation in Whiplash Injury Patients**

- Sagittal plane models of the cervical lordosis;
- Biomechanical cervical subluxation categories indicative of trauma;
- Snap through buckling as a model of abnormal cervical curvatures in the sagittal plane;
- A literature review regarding the cervical lordosis and health outcomes in whiplash injured populations.

**2 Hr. CE/ Lecture/ Research Trends**

**D. Harrison**

**11am- 1pm**

**Biomechanical, Neurological, and Epidemiologic Aspects of Whiplash Injury**

- Examination and Diagnostic Imaging in the MVC patient.
- Objectively identifying subluxation in the MVC patient.

- Quantifying subluxation in the MVC patient: What does the scientific literature tell us?
- Documentation of the injury in the MVC patient
- The role of chiropractic care in treating chronic pain patients
- Patient injuries from MVC's,
- Litigation issues involved in using CBP Technique treatment protocols and procedures
- Whiplash Injury-Treatment Guidelines and Future Care

**2 Hr. CE/ Lecture/ Research Trends**

**E. Katz**

**1pm-2pm**

**Catered Lunch & Patient Management with Whiplash Injury**

**2pm-3pm**

**Co-Management with General Practitioners, Psychiatrists, and Surgeons for MVC patient**

- Examination and Diagnostic Imaging in the MVC patient
- Objectively identifying subluxation in the MVC patient
- Quantifying subluxation in the MVC patient
- Relating injury in the MVC patient to legal professionals
- Educating the patient on their MVC injury

**1 Hr. CE/Lecture/Principles of Practice**

**J. Ferrantelli**

**3pm-4pm**

**Advances in X-Ray & MRI Technology to Better Determine Cervical Spine Injury:  
The Perspective of a Neuro-Radiologist Working with Corrective Care Chiropractors**

- To image or not to image in cervical spine patient populations.
- Identification of alar ligament, tectorial membrane and posterior atlanto occipital membrane injuries in trauma injured patients.
- Identification of anterior and posterior longitudinal ligament injuries.
- Identification of facet capsular and intervertebral disc injuries in injured patients.

**1 Hr. CE/Lecture/Radiology**

**J. Ferrantelli**

**4pm-6pm**

**A 21<sup>st</sup> Century Personal Injury Chiropractic Practice:**

- **Communication:** With the other health care providers, your patient, the lawyer, and the insurance companies,
- **Letters you need:** To the Primary Care Physician, requests for prior records, LOP,
- **Billing:** How do you charge for your services, What about co-pays, What is an LOP, What helps, what hurts,
- **Questions you need answered:** Liability, Insurance Policy Limits;
- **Bad Faith:** What is it;
- **Documentation:** Initial, Progress, Final - Life Care Plans,
- **Court:** Depositions, Fees, Preparation, Trial itself;

**2 Hr. CE/Lecture/Principles of Practice**

**E. Katz and M. Powell**

**6pm-7pm**

**CBP Mirror Image rehabilitation procedures**

- Application, research, and timing of home rehabilitation orthotics and exercise equipment

**1 Hr. CE. Lecture, Technique-CBP**

**D. Harrison**

**Sunday**

**9am-Noon**

**Mirror Image Cervical Spine Rehabilitation Procedures and Protocols and Case Management & Case Studies of the Cervical Spine in Whiplash Injured Patients**

- How to Progress the injured Patient into Cervical Spine Traction Procedures,
- CBP cervical rehabilitation in several case reports published in the peer-reviewed literature.
- CBP equipment and patient needs.
- Types of Lateral Cervical Traction Methods with 16 categories of sagittal subluxations,
- Home traction remodeling orthotics for the cervical spine: Indications & contraindications,
- Case management timing, exams, re-exams using clinical case studies

**3 Hr. CE. Lecture, Technique-CBP**

**D. Harrison**