



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

**CBP 40<sup>th</sup> Annual**  
**October 12-14, 2018**  
**Hot Springs, VA**

The Omni Homestead Resort  
7696 Sam Snead Highway- Hot Springs  
Reservations: 800-838-1766

CBP Room Rate: \$215 per night by September 10, 2018

**CBP Corrective Chiropractic: Contemporary Research and Practices for Unparalleled Patient and Practice Health & Wellness**

**Course Title: CBP 2018 Annual Convention**

**Course objective:** This course provides an integrated education for the Doctor of Chiropractic in the Science and Art of chiropractic techniques for rehabilitation of spine / postural abnormalities, biomechanics / disorders. State of the knowledge related to spine stability, joint injury, and neurological disorders will be presented from a conservative physical Chiropractic and rehabilitation perspective. Spine deformities and CBP rehabilitative corrective care as it might relate to human health and disorders will be presented along with clinical guidance associated with patients relative to these conditions.

Contemporary information on spine and posture biomechanics will be presented with detailed information on adjusting, exercising, and traction techniques for improvement abnormalities. New research on spine correction and how that improves patient relevant outcomes of the following spine disorders: cervico-genic dizziness, cervico-genic headaches, cervical disc herniations and radiculopathy, and chronic neck pain. Analysis of spine/posture deformities and their biological effects and appropriate adjustive and rehabilitative treatment techniques will be reviewed.

**Instructors:** Dr. Deed Harrison, Dr. Evan Katz, Dr. Chris Colloca, Dr. Jeb McAviney, Dr. Curtis Fedorchuk, Dr. Paul Oakley, Dr. Jason Jaeger, Dr. Joe Betz

**Total Hours: 18**

**Friday**

**2:00pm-5:00pm 2018 Spine Research Update: Spinal Displacements and Deformities in Systemic Health and Disease: The Decades's most impactful research investigations for CBP Clinicians**

- The Cervical spine in health disease: new research the clinician must be aware of.
- The Thoracic spine in health disease: new research the clinician must be aware of.
- The Lumbar-Pelvic spine in health disease: new research the clinician must be aware of.
- Full spine posture disorders pain, disability, and health outcomes.

**3 Hr. CE. Lecture/ Clinical Science**

**Dr. Deed Harrison**

**5:00pm-7:00pm Chiropractic Principles Meets the Science and Art of patient Diagnosis, treatment, research and education with Radiography: Discussion of "Choosing Wisely" Patient X-ray Recommendations**

- What is the American Board of Internal Medicine Foundations "Choosing Wisely Initiative"
- Best evidence on radiographic imaging for patients with Back pain and other conditions: Review of the Literature
- Learning to balance structural based Chiropractic with the physical needs of specific patient, best evidence, and the expertise of the clinician.

- Understanding the relationship between historical foundations and principles of Chiropractic Subluxation theories in the frame work of contemporary Chiropractic Science and Technique and Evidence based care.
- Elevating the professional image of chiropractic through evidence, contemporary based but patient friendly chiropractic education programs.

2 Hr. CE/ **Principles of Chiropractic**

**D Harrison Moderator: Dr. Joe Betz, Dr. Jason Jaeger**

**Saturday**

9:00am-11:00am

**Identifying common injuries caused by car crashes and utilizing CBP to help the patient heal.**

- Identify common spine injuries associated with car crashes
- Discuss the clinical presentation of these injuries both subjectively and objectively
- Discuss the research and evidence on how CBP care might offer patients improved outcomes of care.
- We will go over specific cases, legal cases using CBP, as the fundamentals of presenting the evidence of CBP research in court.

2 Hr. CE, Lecture, **Examination/Documentation/Compliance**

**Dr. Evan Katz**

11:00am-1:00pm

**CBP Technique & CBP Non-Profit Research Updates: New Randomized Trials, Pilot projects, and case reports.**

- Case report: Reduction in Insulin usage and improvement in Blood-Glucose and A1C Levels:
- Dexcom G4 Continuous Glucose Monitoring system in a 26 year old male Type 1 Diabetic, with reduction of anterior head translation, cervical hyperlordosis, thoracic hypokyphosis, and lumbar spondylolisthes and review of the literature.
- Pilot Study: Effects of Chiropractic BioPhysics® Structural Rehabilitation Protocol on Blood-Glucose Levels of Type 1 Diabetics
- Review of literature for Type 1 diabetes and chiropractic;
- Review of literature for continuous blood glucose monitoring; uses, outcomes, cost effectiveness, patient satisfaction;
- Thoracic spine and hypo kyphosis: selective review of literature, possible clinical implications;
- Spondylolisthes: selective review of literature, management and case outcomes on x-ray.

2 Hr. CE, Lecture, **Examination/Documentation/Compliance**

**Dr. Curtis Fedorchuk**

1:00pm-2:00pm Lunch

2:00pm-4:00pm

**Translational Research in Spinal Neuromechanics – From Basic Sciences to Best Practices in an Evidence-Based Clinical Approach to Conservative Care**

- **Translational Research Defined**
  - The application of findings from basic science to clinical applications with the aim to translate fundamental research into meaningful health outcomes.
  - Translational research implements a “bench-to-bedside” approach, from laboratory experiments through clinical trials to point-of-care patient applications model, harnessing knowledge from basic sciences to produce new interventions, devices, and treatment options for patients.
  - The end point of translational research is the production of a promising new treatment that can be used with practical applications, that can then be used clinically or are able to be commercialized.

2 Hr. CE. Lecture, **Principles of Practice/NMS Diagnosis**

**Dr. Christopher Colloca**

4:00pm-7:00pm

**CBP Technique & CBP Non-Profit Research Updates: New Randomized Trials, Pilot projects, and case reports.**

- Randomized trials
- The application of findings from Clinical Trials and Case Reports to clinical applications with the aim to translate CBP Case Study research into meaningful health outcomes.

- Clinical research approach for CBP practitioners, from clinical trials to point-of-care patient applications research.
- What constitutes an evidence based case report, case series, and patient relevant outcomes for corrective care practitioners.

**3 Hr. CE/Lecture/Research**

**D. Harrison and Dr. Paul Oakley**

**Sunday**

**8:00am-10:00am**

**Scoliosis Deformities and Thoracic Kyphotic Deformities: The Mirror Image Bracing Concept with New Research and Insights**

- Mirror image® scoliosis bracing concept defined,
- Types of thoracic braces--selecting the right type of brace for the patient at hand,
- Indicators for soft vs. hard bracing in Adult kyphosis vs. Scheuermann's or Juvenile.
- Fitting and application of the different braces,
- Follow up considerations for the patients after Mirror Image® Bracing.
- How to implement bracing and course material into your existing practice as well as survey research materials
- Studies supporting efficacy of course materials and treatment methods

**2 Hr. CE. Lecture/Clinical Sciences**

**Dr. Jeb McAviney**

**10:00am-Noon**

**CBP® Technique Analysis, Intervention and Outcomes: New CBP Case Studies**

- CBP Peer-reviewed case studies: A Literature review of cases to date.
- CBP Technique procedures for cervical spine subluxations and health impairments,
- CBP Technique procedures for lumbar spine subluxations and health impairments,
- CBP Technique procedures for thoracic spine subluxations and health impairments,
- CBP Technique procedures for full spine subluxations and health impairments,
- Mirror Image adjusting procedures,
- Mirror Image traction procedures,
- Mirror Image exercise procedures,
- Case studies: real results, real cases, and application and timing of CBP procedures.

**2 Hr. CE. Lecture/Technique—CBP**

**Dr. Deed Harrison Moderator**