



Chiropractic BioPhysics
CBP—The Science of Spinal Health

Module 14. CBP 43rd Annual
October 15-17, 2021

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

Course Title: CBP 2021 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 relates to human health and disorders will be presented along with clinical guidance 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: General Health Status, Neuro-Physiology Measures (sympathetic skin resistance, evoked potentials, etc.), Functional Disability Measures, Sensori-Motor Integration, Posture Stability, and Chronic pain syndromes. Analysis of spine/posture deformities and their biological effects and appropriate adjustive and rehabilitative treatment techniques will be reviewed.

Instructors: Dr. Deed Harrison, Dr. Liz Anderson-Peacock, Dr. Paul Oakley, Dr. Evan Katz, Dr. Jeb McAviney, Dr. Curtis Fedorchuk, Dr. Joe Betz, Dr. Donald Hirsh

Total Hours: 18

Friday

2pm – 5pm **2021 Spine Research Update: Radiographic Measures of Spinal Displacements and Deformities: Reliability, Validity, Clinical Utility, and Improved Patient Care Using Radiographic Imaging in Chiropractic Care**

2pm – 3pm **Thoracic Spine Deformity**

- Define adult spine deformity (ASD) categories with current evidence trends.
- Thoracic kyphosis abnormality and deformities defined. Categories of hyper-kyphosis and hypo-kyphosis and their relationship to patient pain, disability, and general health status.
- Understanding patient specific morphology measurements that influence an individual's thoracic kyphosis magnitude: straight spine syndrome definitions.
- Randomized Trials demonstrating improving thoracic kyphosis and sagittal balance improves pain, disability, and patient function.

3pm – 5pm **Cervical Spine Deformity**

- Cervical lordosis abnormality and deformities defined. Categories of hyper- and hypo-lordosis and their relationship to patient pain, disability, and general health status.
- Understanding patient specific morphology measurements that influence an individual's cervical lordosis and upper thoracic posture magnitudes: thoracic inlet morphology definitions.
- Predicting cervical lordotic correction following corrective interventions using thoracic inlet morphology measures: New research and clinical data.
- Randomized Trials demonstrating improving cervical lordosis and sagittal balance improves pain, disability, and patient function.

Dr. Deed Harrison

5pm – 7pm

Newborn to 6 years of age: Principles and Practice of Pediatric Patient Care in Today's Chiropractic

- Common pediatric health disorders presenting to the chiropractic clinician and their relationship to spine injury, dysfunction, and alignment.
- Anatomy and physiology review relative to vertebral position and skeletal posture.
- Assessing for vertebral subluxations using postural rotations and translations of the head, thorax, and pelvis.
- Explanation and description of the pediatric examination.
- Palpation of the pediatric patient.
- Interventions for the pediatric patient and clinical case studies.

Dr. Liz Anderson-Peacock

Saturday

9am – 11am

Chiropractic Principles Meets the Science and Art of Structural Rehabilitation Care

- Understanding upper cervical spine injury and instability- A surgeons perspective.
- Surgical vs. conservative management of the upper cervical spine.
- Evidenced based co-management of cervical spine injuries: injection, surgical intervention, and chiropractic rehabilitation.

Dr. Chris Centeno

11am – 12pm

Identifying common injuries to the upper cervical spine complex and best practices for structural rehabilitation to help the patient heal.

- Identify common spine injuries to the upper cervical spine.
- 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.
- Specific cases, legal cases using CBP, as the fundamentals of presenting the evidence of CBP research in court.

Dr. Evan Katz

12pm – 1pm

CBP Technique & CBP Non-Profit Research Updates: Prevalence of spine subluxation measures in clinical practice, New Randomized Trials, Pilot projects, and case reports.

- Practice based prevalence of spine subluxation and measurement cut points in clinical practice.
- Pediatric spondylo-listhesis and antero-listhesis incidence and treatment.
- Pilot Study: Effects of Chiropractic BioPhysics® Structural Rehabilitation Protocol on Blood-Glucose Levels of Type 1 Diabetics
- Spondylolisthes: selective review of literature, management, and case outcomes on x-ray.

Dr. Curtis Fedorchuk

1pm – 2pm

Lunch

2pm – 3pm

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.

Dr. Jeb McAviney

3pm – 7pm

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

- New Original Research and Clinical trials:
 - RCT's documenting sympathetic Nervous System Improvement driven by thoracic kyphosis and cervical spine corrective care.
 - RCT: 200 patients with Adolescent Idiopathic Scoliosis and outcomes of care using a new 3-D mirror image thoraco-lumbar corrective brace.
 - Forward head posture Case Control Sensori-motor integration, balance, and proprioceptive improvements.
 - Forward head posture alters athletic performance and sensori-motor integration.
 - Cervico-genic headaches, forward head posture, and full spine posture displacements: A case control investigation.
- The radiology debate in chiropractic: CCBC regulations and the ICA research council rebuttal—Dose Response July 2021.
- Clinical research approach for CBP practitioners, from clinical trials to point-of-care patient applications research.
- New peer-reviewed publications: case reports, case series, and patient relevant outcomes for corrective care practitioners.

D. Harrison, Dr. Paul Oakley Dr. Joe Betz, Dr. Donald Hirsh

Sunday

8am – 12pm

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.

Dr. Deed Harrison Moderator