



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

**June 28 – 29, 2024**

**Module 15: CBP® Mirror Image® Bracing for Scoliosis Deformities**

**Course Title:** CBP® Module 15. Mirror Image® Bracing for Scoliosis Deformities

**Instructors:** Dr. Jeb McAviney, Dr. Deed Harrison, and Dr. Joe Betz

**Course Objective:** This course provides an integrated education for the Doctor of Chiropractic in the science and art of understanding, evaluating, and management of scoliotic deformities in adolescents and adults. The link between genetic triggers, biomechanical growth modulation, environmental risks, and age development will be explained as they related to scoliotic deformities. Categories of scoliosis will be explained with emphasis on understanding risk factors for curve progression in both adolescent and adult scoliotic deformities. The details of conservative management of scoliotic deformities are a major emphasis of this conference where new flexible and rigid bracing concepts and devices as well as rehabilitative procedures will be thoroughly explored. Evaluation of important curve variables as well as outcome assessments will be used to determine conservative management strategies and successful intervention. The details of case management using conservative bracing, adjusting and rehabilitative methods will be covered using a variety of case studies for a comprehensive picture of clinical application of this course material.

**Total Hours:** 17

**Friday**

**9am – 11am Chiropractic Evaluation of the Scoliosis Patient & Outcome Variables**

- Thoracic Posture & Thoraco-Lumbar Coupling Kinematics
- Differentiation of Thoraco-lumbar Scoliotic Pattern From ‘Simple’ Postural Spine Displacements
- Postural Evaluation of the Scoliotic Patient: Rotations and Translations

**11am – 1pm New 3-D Posture Scanning Techniques**

- Postural Evaluation of the Scoliotic Patient in 3-D
- Using postural scans to aid in the development of proper braces.

**1pm – 4pm Scoliosis Indications for Bracing & Co-Management Referral Consultation**

- Genetic trigger, growth modulation, growth maturation, spinal growth and curve progression
- Categories of scoliosis: juvenile, neurologic, adolescent, adult onset, etc.

**4pm – 5pm The Mirror Image Bracing Concept**

- Mirror image bracing concept defined
- Types of scoliosis braces---selecting the right type of brace for the patient at hand
- Indicators for soft vs. hard bracing in Adult scoliosis vs. Adolescent Idiopathic Scoliosis

**5pm – 7pm Administration and Following Patients with Mirror Image Bracing**

- Fitting and application of the different scoliosis braces
- Follow up considerations for the patients after Mirror Image Bracing

**Saturday**

**9am – 12pm**

**Case Studies and Application of Course Materials**

- How to implement bracing and course material into your existing practice as well as survey research materials
- Billing-coding-documentation for scoliosis braces
- Studies supporting efficacy of course materials and treatment methods

**12pm – 4pm**

**CBP Technique Principles of Management of Thoraco-Lumbar and Thoracic Scoliosis**

- Conservative Management of Thoraco-Lumbar Scoliosis: CBP® Technique Case Presentations
- Conservative Management of Thoracic & Complex Scoliosis
- CBP® Technique Case Presentations3-D Denneroll Table patient applications
  - Stress X-Ray possibilities.
  - Patient Setups
  - Home Orthotics and in office Orthotics