



Chiropractic BioPhysics
CBP—The Science of Spinal Health

2010 CBP® Basic or X-ray & Posture Seminar
March 6-7; Marietta/Atlanta, GA

Course Title: Basics of CBP Technique

Instructors: Dr. Deed Harrison, Dr. Joe Ferrantelli, Dr. Pete Lope, Dr. Jason Haas

Course Objective: This course provides an integrated education for the Doctor of Chiropractic reviewing the literature on frequency and duration topics for establishing a logical treatment plan for Chiropractic patients. This course will define two types of structural based models for chiropractic assessment, interventions and outcomes. The first is a set of average and ideal alignment values for the upright spinal column and the second is an optimum static equilibrium upright postural model; detailed literature will be presented. Using the models as a starting position, six biomechanical types of subluxation will be delineated. Emphasis will be placed on abnormal posture and segmental spinal coupling patterns as rotations and translations in 3-D as well as alterations of the sagittal plane curvatures. The validity, reliability, projection geometry of CBP analysis methods will be presented. The CBP® method of postural examination and with practical technique training stations will be taught. Some basic definitions and theorems from mechanical engineering governing rigid body motion will be reviewed and applied to the spine and posture. The attendee will learn to identify, categorize, quantify, and correct the structural component of the vertebral subluxation complex. Lastly, the attendee will learn to structure a patient specific, evidence based CBP Rehabilitative Program of care terms of frequency and duration of care.

Saturday
9am-11am

Overview of CBP Technique, CBP Mirror Image Procedures

- Rationale for Care, Acute versus Chronic Care,
- Define Chiropractic & Subluxation, 3-D Postural Analysis,
- Postural displacements and vertebral kinematics,
- Mechanical engineering listing 3-D listing system for spine and posture displacements.

2 Hr. CE/ Lecture/Clinical Science

D. Harrison, P. Lope, J. Haas

11am-Noon

CBP Technique Care Plans: Rehabilitative vs. Supportive and Maintenance Care:

- Initial Report of findings and Structuring a CBP Rehabilitative Program of care for patients based on examination findings: What does the literature say in terms of frequency and duration of care?
- Re-Report of findings, Explanation of patient outcome measures, and Structuring a 2nd CBP Rehabilitative Program of care: What does the literature say regarding frequency and duration of care?
- Maintenance vs. Supportive care plans for patients: What does the literature say?

1 Hr. CE, Lecture, Examination

D. Harrison, P. Lope, J. Haas



- Noon-1pm** **Introduction to A system Analysis of 2-D CBP Procedures & Views, Equipment Alignment**
1 Hr Principles of Practice for CA only/all other states, 1 hr X-ray **D. Harrison, P. Lope**
- 1pm-2pm** **Lunch** **No CE Credits**
- 2pm-4pm** **A System of 2-D Analysis:**
- Modified Riser-Ferguson,
 - Posterior Tangents,
 - CBP peer-reviewed published reliability studies.
- 2 hr Principles of Practice for CA only/all other states, 2 hr X-ray** **D. Harrison, P. Lope, J. Haas**
- 4pm-6pm** **Practical Station Demonstrations**
- Postural analysis as rotations and translations,
 - Mirror image drop table adjusting for postural displacements,
 - Mirror image instrument adjusting for postural displacements,
 - PosturePrint and PostureRay training demonstrations,
 - Evidence based report of findings.
- 2 Hr. CE/ Lecture/Technique-CBP** **D. Harrison, P. Lope, J. Haas, J. Ferrantelli**
- Sunday**
- 8am-10am** **Harrison Spinal Model as Goal of Care**
- Cervical Spine—Spine 1996 and 2004,
 - Thoracic Spine—J Spinal Disorders 2002 and Spine 2003
 - Lumbar Spine---J Spinal Disorders 1997 and J Orthopedic Res 1998.
- 2 Hr. CE/ Lecture/Technique-CBP** **D. Harrison, P. Lope, J. Haas**
- 10am-Noon** **2-D Projection Physics & Image Distortion**
- 2-D Projection Physics of 3-D Human Posture (JMPT 1998, Chiropractic Technique 1996),
- 2 hr Principles of Practice for CA only/all other states, 2 hr X-ray** **D. Harrison, J. Ferrantelli**