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Chiropractic BioPhysics
CBP—The Science of Spinal Health

August 15 – 16, 2025

47th CBP Annual Conference

CBP Structural Rehabilitation of the Spine and Posture: Unparalleled Patient and Practice Health & Wellness

Course Title: CBP 2025 Annual Conference

Course objective: This course provides an integrated education for the Doctor of Chiropractic in the Science and Art of chiropractic techniques for structural rehabilitation of spine and postural abnormalities, biomechanics, and specific spine deformities. 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 adult spine deformity, gait, balance, spine correction and how spine corrective care 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 and posture deformities, their biological effects, and appropriate adjustive and rehabilitative treatment techniques will be reviewed.

Instructors: Dr. Deed Harrison

Total Hours: 16

Friday: 12pm-7pm

12pm-3pm 2025 Spine Research Update: Journal of Clinical Medicine Special Issue on Structural Rehabilitation of the Spine and Posture

- Introducing the JCM Special Issue on Structural Rehabilitation of the Spine and Posture.
- Sagittal lumbar spine cutoff limits and how the lumbar lordosis fits pelvic morphology in normal vs. chronic low back pain patients.
- Spine and posture alignment relationships to athletic skills and performance.
- Understanding patient specific postural measurements that influence performance measures.
- Predicting patient response to rehabilitation interventions based on Cervical, Thoracic, and Lumbar spine alignment.
- Machine Learning Trials demonstrating spine correction improves pain, disability, and patient function.

3pm-5pm Evidence based measurements for Sagittal Spine Deformity as Adult Spine Deformity (ASD) & Rehabilitation Sciences: Balance and Gait Disorders

- Define adult spine deformity (ASD) categories with current evidence trends.
- Understanding patient specific measurements that influence an individual's functional pain, disability, and health status.
- Systematic Literature Review: Categories of sagittal abnormalities and their relationship to patient pain, disability, general health status.
- Systematic Literature Review: ASD and force plate data. Results of a PhD dissertation in the field of biomechanics.

5pm-7pm 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.

Saturday

9am-9:30am Motor Vehicle Crash Collision Update: Cervical Spine Co-management research

- Understanding cervical spine injury and instability-
- Surgical vs. conservative management of the upper cervical spine.
- Evidenced based management of cervical spine injuries and chiropractic rehabilitation.

9:30am-11am CBP Technique & CBP Non-Profit Research Updates: Prevalence of spondylolisthesis and spine subluxation measures in clinical practice: pilot projects and case reports.

- Practice based prevalence of spine subluxation and measurement cut points in clinical practice,
- Spondylolisthes: selective review of literature, management and case outcomes on x-ray.
- Journal of Clinical Medicine published research 2025

11am-1pm The Myths and Truths of Adult Degenerative Scoliosis

- The number of adults affected by Adult Degenerative Scoliosis is significant. This condition evolves and presents somewhat differently to adolescents living with idiopathic scoliosis and requires its own attention regarding management.
- While research for this condition is growing, there remains troubling myths circling amongst health professionals, which can lead to patient confusion and mismanagement.
- This presentation aims to debunk the myths, and establish a clear understanding of the current truths regarding the management of these patients.
- Studies supporting efficacy of course materials and treatment methods.

1pm-2 pm Lunch

2pm-3pm Chiropractic Radiology in Clinical Practice and Treatment Considerations

- Overview of the debate in chiropractic regarding radiology utilization and viewpoints across the Chiropractic profession.
- Spine deformity implications and applications.
- Systematic literature reviews on sagittal plane line drawing reliability and validity of the cervical, thoracic, and lumbar spines.
- Publications from the Journal of Clinical Medicine Special Issue.

3pm-7pm CBP Non-Profit Research Updates: New Randomized Trials, Pilot projects, and case reports.

- New Original Research and Clinical trials:
  - Machine learning prospective trial on cervical lordosis rehabilitation: which outcomes matter most for patients.
  - Machine learning prospective trial on lumbar lordosis rehabilitation: which outcomes matter most for patients.
  - Machine learning prospective case controls for fibromyalgia outcomes: which spine, posture, and patient specific measures matter most for patient outcomes of care.
- Clinical research approach for CBP practitioners, from clinical trials to point-of-care patient applications research.
- New prospective randomized trials in progress: The latest from the joint CBP NP and Sharjah University Grant applications on cervical sagittal spine disorders and neurophysiological outcomes.