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Chiropractic BioPhysics
CBP—The Science of Spinal Health

Module 14. CBP 42nd Annual

October 2 – 4, 2020

Grapevine / Dallas, TX

Gaylord Texan Resort & Convention Center
https://idealspine.com/events/42nd-cbp-annual/

Hotel Reservations: (877) 491-5138 or online: https://book.passkey.com/go/CBPConference
CBP Group Room Rate: **$219 + Resort Fee** by Sept 3rd, 2020

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

Course Title: **CBP 2020 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. Nona Djavid, Dr. Paul Oakley, Dr. Evan Katz, Dr. Jeb McAviney, Dr. Curtis Fedorchuk

Total Hours: **18**

Friday

2pm – 6pm **2020 Spine Research Update: Radiographic Measures of Spinal Displacements and Deformities: Reliability, Validity, Clinical Utility, and Improved Patient Care Using Radiographic Imaging in Chiropractic Care**

- Define adult spine deformity (ASD) categories with current evidence trends;
- Sagittal postural displacements as rotations and translation and associated vertebral kinematics;
- Conservative and surgical cut-points known to influence patient outcomes for anterior-posterior head translation, anterior posterior thoracic translation, and pelvic flexion / extension;
- Full Spine Sagittal plane curve models of the and normative data as a benchmark to compare subluxation deformities against.
- Understanding patient specific morphology measurements that influence an individual's cervical lordosis and upper thoracic posture magnitudes: thoracic inlet morphology definitions.
- Cervical lordosis abnormality and deformities defined. Categories of hyper- and hypo-lordosis and their relationship to patient pain, disability, and general health status.
- Randomized Trials demonstrating improving cervical lordosis and sagittal balance improves pain, disability, and patient function.
- Understanding patient specific morphology measurements that influence an individual's thoracic kyphosis

magnitude: straight spine syndrome definitions.

- Thoracic kyphosis abnormality and deformities defined. Categories of hyper-kyphosis and hypo-kyphosis and their relationship to patient pain, disability, and general health status.
- Randomized Trials demonstrating improving thoracic kyphosis and sagittal balance improves pain, disability, and patient function.
- Understanding patient specific morphology measurements that influence an individual's lumbar lordosis and pelvic tilt magnitudes: pelvic morphology definitions.
- Lumbar lordosis abnormality and deformities defined. Categories of hyper- and hypo-lordosis and their relationship to patient pain, disability, and general health status.
- Randomized Trials demonstrating improving lumbo-pelvic lordosis and sagittal balance improves pain, disability, and patient function.

Dr. Deed Harrison

6pm – 7pm **Chiropractic Principles Meets the Science and Art of patient Diagnosis and education with Radiography:**

- 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, Technique, and Evidence based care.
- Elevating the professional image of chiropractic through education programs.

D Harrison Moderator with Dr. Nona Djavid

Saturday

9am – 10 am **Identifying common injuries caused by car crashes and best practices for structural rehabilitation 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.
- Specific cases, legal cases using CBP, as the fundamentals of presenting the evidence of CBP research in court.

Dr. Evan Katz

10am – 11 am **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,
- 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
- Spondylolisthes: selective review of literature, management and case outcomes on x-ray.

Dr. Curtis Fedorchuk

11am – 1pm **Newborn to 6 yrs 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

1pm – 2 pm **Lunch**

2pm – 4 pm **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. Scheuremann's or Juvenille.
- 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

4pm – 7 pm **CBP Non-Profit Research Updates: New Randomized Trials, Pilot projects, and case reports.**

- New Randomized 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.
  - Sensori-motor integration, balance, and proprioceptive improvements.
  - Cervico-genic headaches, forward head posture, and full spine posture displacements: A case control investigation.
- 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.
- New peer-reviewed publications: case reports, case series, and patient relevant outcomes for corrective care practitioners.

D. Harrison and Dr. Paul Oakley

Sunday

8am – 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.

Dr. Deed Harrison Moderator