

**Course Title:** 46<sup>th</sup> CBP Annual Conference

**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 evidence-based outcomes of Chiropractic and rehabilitation perspective. Spine deformities and adjustive technique 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 technique, exercising, and traction techniques for improvement abnormalities. New research on spine correction and how that improves patient relevant evidenced-based 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 treatment techniques will be reviewed.

**Instructors:** Dr. Deed Harrison, Dr. Joe Betz, Dr. Paul Oakley, Dr. Evan Katz, Dr. Jeb McAviney, Dr. Curtis Fedorchuk, Dr. Jason Jaeger, Dr. Douglas Lightstone, Rosemary Marchese PT, MSc., Dr. Jason Haas

**Date:** September 6-8, 2024

**Total Hours:** 18

**Location:** JW Marriott Tucson Starr 3800 W Starr Pass Boulevard Tucson, Arizona 85745

**Friday: September 6**

**2pm-5pm Chiropractic Analysis of the spines**

- Sagittal cervical abnormality and deformities defined with evidenced based outcomes.
- Spine and posture alignment relationships to patient pain, disability, and general evidenced based outcomes.
- Understanding patient specific postural measurements that influence outcome measures.
- Analysis patient response to chiropractic technique/rehabilitation interventions based on lumbar spine alignment.
- Chiropractic analysis demonstrating improving cervical lordosis and sagittal balance evidenced based outcomes.

**3 hours CE Live lecture/Adjustive Technique**

**Dr. Deed Harrison**

**5pm-7pm Evidence based measurements for sagittal spine deformity**

- Define adult spine deformity categories with current evidence-based outcomes.
- Understanding patient specific evidence-based outcomes measurements that influence an individual's functional.
- Biomechanics of spinal adjustment with consideration towards spine stiffness and different grades of disc degeneration.
- Valid and reliable evidence-based outcomes measurements for Lumbar Lordosis abnormality and deformities defined.
- Valid and reliable evidence-based outcomes measurements for thoracic kyphosis abnormality and deformities defined.
- Valid and reliable evidence-based outcomes measurements for Cervical Lordosis abnormality and deformities defined.

**2 hours CE Live lecture/ Adjustive Technique**

**Dr. Jason Haas**

**Saturday September 7**

**9am-10am**

**Upper cervical instability and the science and art of chiropractic:**

- Evidenced based clinical understanding upper cervical spine injury and instability-

<b>1 Hr. CE.</b>	<ul style="list-style-type: none"> <li>Evidenced based management of cervical spine injuries and chiropractic technique.</li> </ul>	<b>Live Lecture/ Adjustive Technique</b>	<b>Dr. Evan Katz</b>
<b>10am-11am</b>	<b>Prevalence of spine subluxation evidenced based measures in clinical practice:</b>		
	<ul style="list-style-type: none"> <li>Evidenced based clinical practice based on prevalence of spine subluxation and evidenced based measurement cut points in clinical practice,</li> <li>Evidenced based review of spinal abnormality of spondylolisthesis.</li> </ul>		
<b>1 Hr. CE.</b>		<b>Live Lecture/ Adjustive Technique</b>	<b>Dr. Doug Lightstone</b>
<b>11am-12pm</b>	<b>Scoliosis Deformities and Thoracic Kyphotic Deformities Part A:</b>		
	<ul style="list-style-type: none"> <li>Rehabilitation exercises for scoliotic deformities,</li> <li>Mirror image® scoliosis bracing concept defined,</li> <li>Types of thoracic braces--selecting the right type of brace for the patient at hand,</li> <li>Indicators for soft vs. hard bracing in Adult kyphosis vs. Scheuremann's or Juvenile.</li> </ul>		
<b>1 Hr. CE</b>		<b>Live Lecture/ Physiological Therapeutics</b>	<b>Dr. Jeb McAviney</b>
<b>12pm-1pm</b>	<b>Scoliosis Deformities and Thoracic Kyphotic Deformities Part B:</b>		
	<ul style="list-style-type: none"> <li>Fitting and application of the different braces,</li> <li>Follow up considerations for the patients after Mirror Image® Bracing.</li> <li>How to implement bracing and course material into your existing practice as well as survey research materials</li> <li>Studies supporting efficacy of course materials and treatment methods</li> </ul>		
<b>1 Hr. CE</b>		<b>Live Lecture/ Physiological Therapeutics</b>	<b>Rosemary Marchese, PT/MSc</b>
<b>1pm-2pm</b>	<b>LUNCH      NO CE</b>		
<b>2pm-3pm</b>	<b>Evidenced based clinical practice and treatment considerations</b>		
	<ul style="list-style-type: none"> <li>Evidence-based practice formalizes the best clinician practices, policies and procedures and standardizes them to optimize outcomes and efficiency throughout the patient treatment cycle with chiropractic adjustments.</li> <li>Spine deformity implications and applications.</li> </ul>		
<b>1 Hr. CE</b>		<b>Live Lecture/ Adjustive Technique</b>	<b>Dr. Jason Jaeger</b>
<b>3pm-4pm</b>	<b>Evidence based patient case reports Part A</b>		
	<ul style="list-style-type: none"> <li>Case control investigation demonstrating forward head posture causes functional impairment in whiplash injured population compared to chronic neck pain and normal controls for correction with spinal analysis and adjustments.</li> </ul>		
<b>1 Hr. CE</b>		<b>Live Lecture/ Adjustive Technique</b>	<b>Dr. Joe Betz</b>
<b>4pm-5pm</b>	<b>Evidence based patient case reports Part B</b>		
	<ul style="list-style-type: none"> <li>200 patients with Adolescent Idiopathic Scoliosis and outcomes of care using a new 3-D mirror image thoraco-lumbar corrective brace and chiropractic adjustments.</li> <li>Forward head posture Case Control Sensori-motor integration, balance, and proprioceptive improvements.</li> </ul>		
<b>1 Hr. CE</b>		<b>Live Lecture/ Adjustive Technique</b>	<b>Dr. Paul Oakley</b>

**5pm-7pm**

**Evidence based patient case reports Part C**

- Forward head posture alters athletic performance and sensori-motor integration.
- Clinical research approach for practitioners, from clinical trials to point-of-care patient applications research for chiropractic adjustments.

**2 Hrs. CE**

**Live Lecture/ Adjustive Technique**

**Dr. Curtis Fedorchuk**

**Sunday September 8**

**8am-12pm**

**Chiropractic Technique Analysis, Intervention and Outcomes:**

- Technique procedures for cervical spine subluxations and health impairments,
- Technique procedures for lumbar spine subluxations and health impairments,
- Technique procedures for thoracic spine subluxations and health impairments,
- Technique procedures for full spine subluxations and health impairments,
- Mirror Image adjusting procedures.

**4 Hr. CE.**

**Live Lecture/ Adjustive Technique**

**Dr. Deed Harrison**