



**LIFE CHIROPRACTIC  
COLLEGE WEST**

Postgraduate & Continuing Education

**Advances in the Management of Trauma Injuries Module 3: Imaging  
International Chiropractors Association**

Joseph Ugorgi, DO; Cliff Tao, DC, DACBR; Joe Betz , BS, DC, CICE

This educational program will be a detailed overview of imaging methods of traumatic injuries to the cervical, thoracic and lumbo-pelvic spine; including common injuries that present to the chiropractic office. This course will teach doctors to have an in-depth knowledge of various imaging methods including X-ray, fluoroscopy, MRI, motion MRI, and CT scanning. This will enable doctors of chiropractic to better understand when to order various imaging types so accurate injury identification can occur in practice. We will also train the doctors how to incorporate imaging findings into a care plan, including how findings should affect daily clinical documentation in the practice.

**13 CE Hours**

**June 27-28, 2020**

**Tao: Introduction to Imaging in the Motor Vehicle Collision Patient**

- review of imaging modalities
- what and how to order specific imaging, and how to interpret
- Intervertebral Disc Disorders and Nomenclature
- proper terminology that is highly defensible
- affect of terminology on case value

**Tao: Ligament Injury on Radiography and Fluoroscopy, and Case Review**

- what does the AMA guidelines on the evaluation of permanent impairment say?
- do we really need to report to the millimeter?
- various trauma cases in various imaging modalities, focusing on spine

**Ugorgi: Injury Optimized Advanced Imaging of the Spine Part 1: Cervical Spine and Shoulder**

- Overview of anatomy as viewed on various MRI protocols
- Advanced imaging of commonly injured tissues in the cranicervical junction in trauma cases
- Advanced imaging of commonly injured tissues in the cervical spine in trauma cases
- Advanced imaging of commonly injured tissues in the thoracic spine in trauma cases

**Ugorgi: Injury Optimized Advanced Imaging of the Spine Part 2: Lumbar Spine and Traumatic Brain Injury**

- Advanced imaging of commonly injured tissues in the cervical spine in trauma cases
- Advanced imaging of commonly injured tissues in the thoracic spine in trauma cases management

**Betz: Role of Imaging in Clinical Documentation and Care Plans**

- Discuss advances in the understanding of how to identify and document subluxations to various spinal regions using imaging
- The role of radiology guidelines for trauma cases in clinical practice
- Understanding how to properly document and report your clinical findings

**Betz: Discussion of 8 “Predictive Factors” in motor vehicle crashes**

- 1. Self-reported pain levels (numerical rating scales at initial presentation)
- 2. Initial Neck Disability Index (NDI): cut points to predict chronicity
- 3. Initial WAD Grade using Quebec Task Force scale
- 4. Initial Cervical Range of Motion
- 5. Hyeralgesia (cold, algometry, etc)
- 6. Initial Expectations of Recovery
- 7. Post-Crash Emotional Factors (e.g. catastrophizing)
- 8. Muscle Fatty Infiltration (on MRI)