

# Dean Brown, DC

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## SELECTED OCCUPATIONAL HISTORY

Clinic Director, Chiropractic Care Centre, Tampa, FL, 2003 – Present

## EDUCATION AND LICENSURE

Doctor of Chiropractic, Licensed in the State of Florida, License #CH8527, 2003 – Present

Bachelor of Science in Environmental Economics, University of Florida, Gainesville, Florida, 1995

Doctorate of Chiropractic, Life University, Atlanta, Georgia, 2002

National Board of Chiropractic Examiners, Part I, 2000

National Board of Chiropractic Examiners, Part II, 2001

National Board of Chiropractic Examiners, Part III, 2001

National Board of Chiropractic Examiners, Part IV, 2002

National Board of Chiropractic Examiners, Physiotherapy, 2001

Florida Board of Chiropractic Medicine, State Certification, 2002

## SELECTED POST-GRADUATE EDUCATION, CERTIFICATIONS AND DIPLOMATES

**Medical Panel Physician - National Association of Workers' Compensation Judiciary:** One of three panel doctors presenting and answering questions related to the injured worker for the NAWCJ Judicial College. Specific topic: understanding disc herniation etiology, diagnosis, and treatment. Other physicians on panel - Terry W. Kuhlwein, M.D., Mayo Clinic, and Nathan D. Zasler, M.D., Concussion Care Center of Virginia. June 2014.

**The McKenzie Method® of Mechanical Diagnosis and Therapy®:** Postgraduate program of study, Part C: *Advanced Lumbar Spine and the Extremities – Lower Limb*. 28 hrs. McKenzie Institute, USA 2013.

**The McKenzie Method® of Mechanical Diagnosis and Therapy®:** Postgraduate program of study, Part B: *The Cervical Spine*. 26 hrs. McKenzie Institute, USA 2012.

**The McKenzie Method® of Mechanical Diagnosis and Therapy®:** Postgraduate program of study, Part A: *The Lumbar Spine*. 26 hrs. McKenzie Institute, USA 2012.

**Whiplash Biomechanics & Injury Traumatology:** *Advanced Certification*, Dr. Croft, Spine Research Institute of San Diego, San Diego, CA, 2011.

### **Biomechanics of Spinal Trauma and its Relationship to Pre-Existing Injuries and Degenerative Changes.**

*Whiplash Associated Disorders and the biomechanics of side impact vs. rear impact with emphasis on traumatic forces and body position, the mechanism of whiplash injury phases with their relationships to physiologic tolerance to trauma, specific diagnosis of disc pathology and annular tear, disc herniation, fracture, ligamentous injury and instability. Details of spinal nerve root stretching injury and dimensions of the spinal canal during whiplash was*

*outlined particular to significant spinal injury resulting from low level accelerations including pediatric spinal trauma and physiological normals. Spinal surgical intervention techniques including ordering diagnostic studies using MRI, CT and digital motion x-ray. Florida Board of Chiropractic Medicine, American Academy of Medical-Legal Professionals, Hollywood, Florida , 2012*

**MRI Spine Interpretation of Disc Bulge and Herniation,** *Spinal MRI findings related to degenerative changes vs. traumatic changes of the intervertebral disc by using definitions provided by the American Society of Neuroradiology. Anatomy of the intervertebral disc, spinal cord, nerve roots and spinal ligaments correlated to T1, T2, STIR sagittal, stacking and axial images. Anatomical MRI differentiation of normal, degenerative and traumatic changes, Florida Board of Chiropractic Medicine, American Academy of Medical-Legal Professionals, Hollywood, Florida , 2012*

**Documentation and Triage in Trauma,** *ICD-9 and CPT requirements in coding for the traumatically injured including integrating electronic health records including informed consent, evaluation and management, testing orders. The utilization of research in medical reports for both the trauma and non-trauma patients. Clinical coordination of care and reporting to healthcare and legal providers, Florida Board of Chiropractic Medicine, American Academy of Medical-Legal Professionals, Hollywood, Florida , 2012*

**Medical-Legal Research and the Documentation of Causal Relationship, Prognosis and Treatment of the Traumatically Injured,** *Review of current research published in peer reviewed medically indexed journals focusing on traumatic injuries and how current literature affects the diagnostic conclusion and how to formulate treatment plans. Florida Board of Chiropractic Medicine, American Academy of Medical-Legal Professionals, Hollywood, Florida , 2012*

**Neurodiagnostics, Imaging Protocols and Pathology of the Trauma Patient:** *An in-depth understanding of the protocols in triaging and reporting the clinical findings of the trauma patient. Maintaining ethical relationships with the medical-legal community. CMCS Post Doctoral Division, New York Chiropractic Council, New York State Department of Education Board for Chiropractic, Long Island, NY, 2010*

**Diagnostics, Risk Factors, Clinical Presentation and Triaging the Trauma Patient:** *An extensive understanding of the injured with clinically coordinating the history, physical findings and when to integrate neurodiagnostics. An understanding on how to utilize emergency room records in creating an accurate diagnosis and the significance of “risk factors” in spinal injury. CMCS Post Doctoral Division, New York Chiropractic Council, New York State Education Department Board for Chiropractic, Long Island, NY, 2010*

**Crash Dynamics and Its Relationship to Causality:** *An extensive understanding of the physics involved in the transference of energy from the bullet car to the target car. This includes G's of force, newtons, gravity, energy, skid marks, crumple zones, spring factors, event data recorder and the graphing of the movement of the vehicle before, during and after the crash. Determining the clinical correlation of forces and bodily injury. CMCS Post Doctoral Division, New York Chiropractic Council, New York State Education Department Board for Chiropractic, Long Island, NY, 2010*

**MRI, Bone Scan and X-Ray Protocols, Physiology and Indications for the Trauma Patient:** *MRI interpretation, physiology, history and clinical indications, bone scan interpretation, physiology and clinical indications, x-ray clinical indications for the trauma patient. CMCS Post Doctoral Division, New York Chiropractic Council, New York State Education Department Board for Chiropractic, Long Island, NY, 2010*

**Neurodiagnostic Testing Protocols, Physiology and Indications for the Trauma Patient:** *Electromyography (EMG), Nerve Conduction Velocity (NCV), Somato Sensory Evoked Potential (SSEP), Visual Evoked Potential (VEP), Brain Stem Auditory Evoked Potential (BAER) and Visual (V-ENG) interpretation, protocols and clinical indications for the trauma patient.* CMCS Post Doctoral Division, New York Chiropractic Council, New York State Education Department, Board for Chiropractic, Long Island, NY, 2010

**Documentation and Reporting for the Trauma Victim:** *Understanding the necessity for accurate documentation and diagnosis utilizing the ICD-9 and the CPT to accurately describe the injury through diagnosis. Understanding and utilizing state regulations on reimbursement issues pertaining to healthcare.* CMCS Post Doctoral Division, New York Chiropractic Council, New York State Education Department, Board for Chiropractic, Long Island, NY, 2010

**Documenting Clinically Correlated Bodily Injury to Causality:** *Understanding the necessity for accurate documentation, diagnosis and clinical correlation to the injury when reporting injuries in the medical-legal community. Documenting the kinesio pathology, myopathology, neuropathology, and pathophysiology in both a functional and structural paradigm.* CMCS Post Doctoral Division, New York Chiropractic Council, New York State Education Department, Board for Chiropractic, Long Island, NY, 2010

**MRI History and Physics:** *Magnetic fields, T1 and T2 relaxations, nuclear spins, phase encoding, spin echo, T1 and T2 contrast, magnetic properties of metals and the historical perspective of the creation of NMR and MRI.* New York Chiropractic Council, New York State Department of Education, Board for Chiropractic, AACME Joint Sponsorship with the State University of New York at Buffalo, School of Medicine and Biomedical Sciences and CMCS Post Doctoral Division, Buffalo, NY, 2010

**MRI Spinal Anatomy and Protocols:** *Normal anatomy of axial and sagittal views utilizing T1, T2, 3D gradient and STIR sequences of imaging. Standardized and desired protocols in views and sequencing of MRI examination to create an accurate diagnosis in MRI.* New York Chiropractic Council, New York State Department of Education, Board for Chiropractic, AACME Joint Sponsorship with the State University of New York at Buffalo, School of Medicine and Biomedical Sciences and CMCS Post Doctoral Division, Buffalo, NY, 2010

**MRI Disc Pathology and Spinal Stenosis:** *MRI interpretation of bulged, herniated, protruded, extruded, sequestered and fragmented disc pathologies in etiology and neurological sequelae in relationship to the spinal cord and spinal nerve roots.* New York Chiropractic Council, New York State Department of Education, Board for Chiropractic, AACME Joint Sponsorship with the State University of New York at Buffalo, School of Medicine and Biomedical Sciences and CMCS Post Doctoral Division, Buffalo, NY, 2010

**MRI Spinal Pathology:** *MRI interpretation of bone, intradural, extradural, cord and neural sleeve lesions. Tuberculosis, drop lesions, metastasis, ependymoma, schwannoma and numerous other spinal related tumors and lesions.* New York Chiropractic Council, New York State Department of Education, Board for Chiropractic, AACME Joint Sponsorship with the State University of New York at Buffalo, School of Medicine and Biomedical Sciences and CMCS Post Doctoral Division, Buffalo, NY, 2010

**MRI Methodology of Analysis:** *MRI interpretation sequencing of the cervical, thoracic and lumbar spine inclusive of T1, T2, STIR and 3D gradient studies to ensure the accurate diagnosis of the region visualized.* New York Chiropractic Council, New York State Department of Education, Board for Chiropractic, AACME Joint Sponsorship with the State University of New York at Buffalo, School of Medicine and Biomedical Sciences and CMCS Post Doctoral Division, Buffalo, NY, 2010

**MRI Clinical Application:** *The clinical application of the results of space occupying lesions. Disc and tumor pathologies and the clinical indications of manual and adjustive therapies in the patient with spinal nerve root and spinal cord insult as sequelae.* New York Chiropractic Council, New York State Department of Education, Board for Chiropractic, AACME Joint Sponsorship with the State University of New York at Buffalo, School of Medicine and Biomedical Sciences and CMCS Post Doctoral Division, Buffalo, NY, 2010

**Scoliotic Deformity Analysis & Conservative Management Strategies-** *An integrated education in the science and art of understanding, evaluating, and management of scoliotic deformities in adolescents and adults. The link between genetic triggers, biomechanical growth modulation, curve variables, environmental risks, and age development is covered. Also studied are: categories of Scoliosis, risk factors for curve progression in adolescents and adults. Conservative management & outcome assessments.* Chiropractic Bio-Physics Seminars, Elko, NV 2009

**Whiplash and Brain Traumatology-** *Comprehensive training program in whiplash and brain injury traumatology, emphasizing the biomechanics of injury mechanisms, occupant kinematics, automobile crash reconstruction methods, the most current knowledge of soft tissue, endocrinological, bony, and nervous system disorders, advanced imaging techniques, and the comprehensive case management of whiplash and related disorders.* Spine Research Institute of San Diego, San Diego, California, 2006

**Biomechanics of the Spine-** *Provided a university level, literature based, current spinal biomechanics education. Topics include: Types of loading of spinal biomechanics, stress and strain evaluations of spinal tissues during each type of spinal loading, and mechanisms of injury to the spine.* Chiropractic Bio-Physics Seminars, Elko, NV 2001

**Neurology, Posture, and Systemic Health-** *Education in posture as it relates to systemic health and types of mechanoreceptive and proprioceptive nerves in spinal tissues: Facet capsular ligaments, spinal ligaments, intervertebral discs and muscles. Review literature on visceral dysfunction as it relates to abnormal posture.* Chiropractic Bio-Physics Seminars, Elko, NV 2001

#### **SELECTED MEMBERSHIPS**

International Chiropractic Association, Member, 2001 – Present

American Chiropractic Association, Member 2002 - Present

Florida Chiropractic Association, Member, 2002 – Present

Hillsborough Chiropractic Society, Member, 2003 – Present

American Academy of Medical-Legal Professionals, 2010- Present

#### **SELECTED HONORS AND REWARDS**

Pi Tau Delta – International Chiropractic Scholastic Honor Society, Life University, 2002

Magna Cum Laude, Life University, 2002

University of Florida – Blue Key

#### **SELECTED COMMUNITY SERVICE**

Rotary Club of Tampa

YMCA, Pacesetters Club – “Give a Kid a Chance” Campaign, Tampa, Florida, 2010 to present

Joshua House – Children’s Shelter, Contributor, Tampa, Florida, 2005 – Present