

# **Robert M. Shortell, D.C.**

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## **Selected Occupational History**

Clinic Director, Chiropractor, Cromwell Chiropractic Center, L.L.C., Cromwell, CT, August, 1997 – Present

Chiropractor, Century Center Chiropractic, Atlanta, GA, April 1997 – August 1997

Radiological Technician Assistant, Life University, Outpatient X-ray Facility, Marietta, GA, September, 1995 – March, 1997

Assistant Instructor, Life University, Human Anatomy Lab, Marietta, GA, September, 1994 – September, 1995

## **Education and Licensure**

Doctor of Chiropractic, Licensed in the State of Connecticut, License #001242, 1997 – Present

Doctor of Chiropractic, Licensed in the State of Pennsylvania, License #DC-007045L, 1997

Doctor of Chiropractic, Licensed in the State of New York, License #X008973, 1997

Doctorate of Chiropractic, Life University, Marietta, GA, 1997

Internship, Life University Outpatient Facility, Marietta, GA, 1994 – 1997

Bachelor of Science in Biology, State University of New York at Oneonta, Oneonta, NY, 1992

## **Selected Post-Graduate Education and Certifications**

Neurology of the Subluxation, Life Chiropractic College West, Hartford, CT, September 9, 2019.

Management of Common Conditions - Lyme Disease, University of Bridgeport, Bridgeport, CT, 2019

Opioid Management - *Manual Therapies for Chronic Pain Management of Patients During Opioid Crisis*, University of Bridgeport, Bridgeport, CT, 2019

Medical Marijuana – *Eligibility and Use*, University of Bridgeport, Bridgeport, CT, 2019

Mental Health Conditions Common to Veterans - *A thorough review and explanation of the common issues facing veterans upon their return from active duty*, University of Bridgeport, Bridgeport, CT, 2019

Chiro X Travaganza: *Patient Communication Technology, Scientific Validation of the Vertebral Subluxation Complex, Chiropractic Philosophy, Consultation Documentation for Practice Success, Clinical Chiropractic Pediatrics, Chiropractic Office Efficiency*, Connecticut Chiropractic Council, Uncasville, CT, 2019

Neurofeedback

Advanced Certification Program in QEEG and Neurofeedback presented by Braincore Systems, Performing and Interpreting QEEG Brain Maps, Heart Rate Variability Biofeedback, Alpha/Theta Training, Symptom Tracker and Supplementation Guidelines, Hilton Head, South Carolina, 2017

Module #1: MRI Disc Overview & Imaging Protocols

MRI Protocols Clinical Necessity, *MRI slices, views, T1, T2, STIR axial, stacking, FFE, FSE and sagittal images. Clinical indication for the utilization of MRI and pathologies of disc in both trauma and non-trauma sequellae, including bulge, herniation, protrusion, extrusion and sequestration.* [Texas Chiropractic College or PACE Recognized by The Federation of Chiropractic Licensing Boards], ACCME Joint Providership with the State University of New York at Buffalo Jacobs School of Medicine and Biomedical Sciences, Academy of Chiropractic Post-Doctoral Division, Buffalo, NY, 2017

Module #2: MRI Interpretation of Lumbar Bulges/Degenerative Disc Disease

MRI Interpretation of Lumbar Degeneration/Bulges, *MRI slices, views, T1, T2, STIR axial, stacking, FFE, FSE and sagittal images in the interpretation of lumbar degeneration. With the co-morbidities and complications of stenosis, pseudo-protrusions, cantilevered vertebrate, Schmorl's nodes and herniations. Central canal and cauda equina compromise interpretation with management.* [Texas Chiropractic College or PACE Recognized by The Federation of Chiropractic Licensing Boards], ACCME Joint Providership with the State University of New York at Buffalo Jacobs School of Medicine and Biomedical Sciences, Academy of Chiropractic Post-Doctoral Division, Buffalo, NY, 2017

Module #3: MRI Interpretation of Lumbar Herniated Discs

MRI Interpretation of Lumbar Herniations, *MRI slices, views, T1, T2, STIR axial, stacking, FFE, FSE and sagittal images in the interpretation of lumbar herniations. With the co-morbidities and complications of stenosis, pseudo-protrusions, cantilevered vertebrate, Schmorl's nodes and herniations. Morphology of lumbar disc pathologies of central and lateral herniations, protrusions, extrusions, sequestration, focal and broad based herniations are defined and illustrated. Central canal and cauda equina compromise interpretation with management.* [Texas Chiropractic College or PACE Recognized by The Federation of Chiropractic Licensing Boards], ACCME Joint Providership with the State University of New York at Buffalo Jacobs School of Medicine and Biomedical Sciences, Academy of Chiropractic Post-Doctoral Division, Buffalo, NY, 2017

Module #4: MRI Interpretation of Cervical Bulges/Degenerative Disc Disease

MRI Interpretation of Cervical Degeneration/Bulges, *MRI slices, views, T1, T2, STIR axial, stacking, FFE, FSE and sagittal images in the interpretation of cervical degeneration. With the co-morbidities and complications of stenosis, pseudo-protrusions, cantilevered vertebrate, Schmorl's nodes and herniations. Spinal cord and canal compromise interpretation with management.* [Texas Chiropractic College or PACE Recognized by The Federation of Chiropractic Licensing Boards], ACCME Joint Providership with the State University of New York at Buffalo Jacobs School of Medicine and Biomedical Sciences, Academy of Chiropractic Post-Doctoral Division, Buffalo, NY, 2017

## Module #5: MRI Interpretation of Cervical Herniated Discs

MRI Interpretation of Cervical Herniations, *MRI slices, views, T1, T2, STIR Axial, FFE, FSE and sagittal images in the interpretation of lumbar herniations. With the co-morbidities and complications of stenosis, pseudo-protrusions, cantilevered vertebrate, Schmorl's nodes and herniations. morphology of lumbar disc pathologies of central and lateral herniations, protrusions, extrusions, sequestration, focal and broad based herniations are defined and illustrated. Spinal cord and canal compromise interpretation with management.* [Texas Chiropractic College or PACE Recognized by The Federation of Chiropractic Licensing Boards], ACCME Joint Providership with the State University of New York at Buffalo Jacobs School of Medicine and Biomedical Sciences, Academy of Chiropractic Post-Doctoral Division, Buffalo, NY, 2017

## Module #6: Virtual Grand Rounds

MRI Interpretation of Degenerative Spine and Disc Disease with Overlapping Traumatic Insult to Both Spine and Disc, *MRI slices, views, T1, T2, STIR Axial, FFE, FSE and sagittal images in the interpretation of degenerative spondylolisthesis, spinal canal stenosis, Modic type 3 changes, central herniations, extrusions, compressions, nerve root compressions, advanced spurring and thecal sac involvement from an orthopedic, emergency room, chiropractic, neurological, neurosurgical, physical medicine perspective.* [Texas Chiropractic College or PACE Recognized by The Federation of Chiropractic Licensing Boards], ACCME Joint Providership with the State University of New York at Buffalo Jacobs School of Medicine and Biomedical Sciences, Academy of Chiropractic Post-Doctoral Division, Buffalo, NY, 2017

Primary Spine Care Symposium – Interprofessional Spine Care, *Clinical analysis of anatomic versus biomechanical spine pain and clinical triage protocols. Relating current research trends in the Whole Spine Model of patient including normal versus abnormal sagittal curvature in the adolescent and adult spine, pelvic incidence as a parameter for sagittal balance in the human spine and current methods of assessment. Patient centered approach to Evidenced Based Spine care with a focus on diagnosis, prognosis and triage of the spine pain patient,* Texas Chiropractic College Post-Doctoral Division, Academy of Chiropractic Post-Doctoral Division, Melville, NY 2017

Primary Spine Care Symposium – Epidemiology of Spine Pain, *Review of the current Centers for Disease Control [CDC] data on the frequency of musculoskeletal pain in the United States population with emphasis on pain of spinal origin. CDC guidelines on opioid medication were discussed and correlated to persistent pain syndromes. Research was reviewed showing the importance of managing the spine pain patient properly from the entry point of care with a concentration on maintenance of spinal biomechanics,* Texas Chiropractic College Post-Doctoral Division, Academy of Chiropractic Post-Doctoral Division, Melville, NY 2017

Primary Spine Care Symposium- Connective Tissue and Spinal Disc Pathology, *The morphology and pathology of connective tissue, inclusive of spinal disc disorders and prognosticating wound repair with permanency implications. Disc bulge, herniation, protrusion and extrusion classifications based upon contemporary literature and how to age-date disc pathology,* Texas Chiropractic College Post-Doctoral Division, Academy of Chiropractic Post-Doctoral Division, Melville, NY 2017

Primary Spine Care Symposium – Physiology and Anatomy of Spinal Manual Adjusting, *Understanding the role of mechanoreceptors, proprioceptors and nociceptors with facets, ligaments, tendons and muscles in aberrant spinal biomechanics. MRI and imaging studies of decompressing via a chiropractic spinal adjustment of the bioneuromechanical lesion and its effects on the central nervous system both reflexively and supratentorially,* Texas Chiropractic College Post-Doctoral Division, Academy of Chiropractic Post-Doctoral Division, Melville, NY 2017

Primary Spine Care Symposium – Medical-Legal Documentation, *The contemporary documentation required in a medical-legal environment that is evidenced based and meets the standards of the courts and academia. Utilizing the scientific data to support a diagnosis, prognosis and treatment plan while meeting the admissibility standards based upon a professional's credentials.* Texas Chiropractic College Post-Doctoral Division, Academy of Chiropractic Post-Doctoral Division, Melville, NY 2017

Concussion-Subluxation Complex, Connecticut Chiropractic Council, Chuck Masarsky D.C., Mashantucket, CT, 2016

Updated Imaging of Your Problematic Patient, Logan University, Alicia Yochum D.C., Hartford, CT, 2016

Chiro X Travaganza, *Various speakers on chiropractic adjustment techniques and chiropractic philosophy,* Connecticut Chiropractic Council, Milford, CT, 2015

Chiropractic Ethics: *Documentation, Cultural Competence and Patient Communications,* International Chiropractic Association (ICA), Windsor Locks, CT, 2015

Stress, Structure, and Neurology, Logan University, Brian Jensen D.C., Hartford, CT, 2014

Dr. Jensen explores the most prevalent causes of pain, disease and degeneration and offers insightful ideas for the evaluation and treatment of the modern super stressed patient, as well as, insight into effectively communicating these complex ideas to patients.

This program goes beyond simple condition based care and correlates the early teachings about the subluxation complex and its effect on structure and physiology with some of the latest neuroscience advances in the profession. This program offers an opportunity for hands on experience related to patient assessment, treatment and rehabilitation, which many attendees have easily incorporated into practice.

From The Ground Up, Logan University, Dar Griffeth D.C., Hartford, CT, 2013

Advanced Extremity Adjusting: Deliberate Practice Protocols, Logan University, Mark Charrette D.C., Providence, RI, 2013

The impact spinal pelvic stabilization and focusing treatment on the feet has on the Kinetic Chain. Proper protocols for recognizing and treating the most common, yet debilitating, foot and knee conditions. Master the lower extremity assessment and treatment to positively impact the remainder of the body. Learn how to stabilize the lower extremities using a variety of methods including taping and orthotics.

Accident Reconstruction: Terms, Concepts and Definitions, *The forces in physics that prevail in accidents to cause bodily injury. Quantifying the force coefficients of vehicle mass and force vectors that can be translated to the occupant and subsequently cause serious injury.* Texas Chiropractic College or PACE Recognized by the Federation of Chiropractic Licensing Boards, Academy of Chiropractic Post Doctoral Division, Long Island, NY 2011

Accident Reconstruction: Causality, Bodily Injury, Negative Acceleration Forces, Crumple Zones and Critical Documentation, *Factors that cause negative acceleration to zero and the subsequent forces created for the vehicle that get translated to the occupant. Understanding critical documentation of hospitals, ambulance*

*reports, doctors and the legal profession in reconstructing an accident.* Texas Chiropractic College or PACE Recognized by the Federation of Chiropractic Licensing Boards, Academy of Chiropractic Post Doctoral Division, Long Island, NY 2011

Accident Reconstruction: Skid Marks, Time Distance, Velocity, Speed Formulas and Road Surfaces. *The mathematical calculation necessary utilizing time, distance and speed coefficients of friction and acceleration in reconstructing an accident. The application of the critical documentation acquired from an accident site.* Texas Chiropractic College or PACE Recognized by the Federation of Chiropractic Licensing Boards, Academy of Chiropractic Post Doctoral Division, Long Island, NY 2011

Accident Reconstruction: Research, Causality and Bodily Injury, *Delta V issues correlated to injury and mortality, side impact crashes and severity of injuries, event data recorder reports correlated to injury, frontal impact kinematics, crash injury metrics with many variables and inquiries related to head restraints.* Texas Chiropractic College or PACE Recognized by the Federation of Chiropractic Licensing Board, Academy of Chiropractic Post Doctoral Division, Long Island, NY, 2011

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

Medicare Fraud, Waste and Abuse (FWA) Compliance, *New federal requirements regarding fraud, waste and abuse,* Aetna Education, Hartford, CT, 2009

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, Newton's, 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, 2009

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, 2009

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, 2009

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, 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, 2009

Head Trauma, Brain Injury and Concussion, *Brain and head physiology, brain mapping and pathology as a sequella to trauma. Traumatic brain injury, mild traumatic brain injury, axonal shearing, diffuse axonal injury and concussion are detailed in etiology and clinically. Clinical presentation, advanced diagnostic imaging and electrodiagnostic are detailed in analysis to create a differential diagnosis. Balance disorders that are often as a result of trauma are also explored from clinical presentation to advanced imaging and differential diagnosis.* CMCS Post Doctoral Division, New York Chiropractic Council, New York State Department of Education, Board for Chiropractic, Long Island, NY, 2009

Impairment Rating Certification, *The understanding and utilization of the protocols and parameters of the AMA Guide to the Evaluation of Permanent Impairment 6th Edition. Spine, neurological sequella, migraine, sexual dysfunction, sleep and arousal disorders, station and gait disorders and consciousness are detailed for impairment rating. Herniated Discs, radiculopathy, fracture, dislocation and functional loss are also detailed in relation to impairment ratings.* CMCS Post Doctoral Education Division, New York Chiropractic Council, New York State Education Department, Long Island, NY, 2009

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-Electronystagmography (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, 2009

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, 2009

Chiropractic Unbarred, review of scientists throughout history of health and healing, observation of nature and how scientists have impacted our minds and research into the future, how history reveals itself through research, battle of vitalism versus mechanism in history of healthcare and research, Connecticut Chiropractic Council, New Haven, CT, 2009

The Fundamentals, *The Pettibon Spinal Model and its key principles, the causes and consequences of abnormal spinal form and function, soft tissues' physiological properties and functions,* The Pettibon Institute, Chehalis, WA, 2009

Clinic Protocols & Home Care, *This seminar covers how patients' treatment plans are determined from x-rays and testing; application of The Pettibon Weighting System, water and nutritional intake, whole-body vibration, spinal decompression, the use of instruments and rehabilitation equipment, mobilization procedures, pre-examination preparation and stretching, post-mobilization proprioceptive exercises, and rehabilitation exercises,* The Pettibon Institute, Chehalis, WA, 2009

Connections of Health: *Chiropractic and Vaccination Philosophy, Chiropractic Nutrition, Childhood Immunology, Nutrition and Physical Degeneration,* Connecticut Chiropractic Council, Orange, CT, 2008

Sports and Occupational Injuries of the Wrist and Hand, Carpal Tunnel Syndrome, *Wrist radiology, wrist differential diagnosis, wrist biomechanics, wrist anatomy, wrist evaluation,* Connecticut Chiropractic Council, Manchester, CT, 2008

Temporomandibular Joint (TMJ), *Gross anatomy, evaluation, radiology, differential diagnosis, TMJ technique and case studies*, Connecticut Chiropractic Council, Manchester, CT, 2008

Wellness Physical Fitness and Spinal Hygiene, *The physiological effects of sedentary lifestyle with respect to insulin resistance, brain function, immune function, body composition, and general health and illness, identifying the innate genetic requirements in terms of physical fitness and energy expenditure, importance of proprioception with respect to brain function, learning, organ function, emotional health, and neuromuscular function, introduction to spinal hygiene exercises for functional restoration and spinal health*, International Chiropractors Association, Hartford, CT, 2007

Chiro X Travaganza: *Patient Communication Technology, Scientific Validation of the Vertebral Subluxation Complex, Chiropractic Philosophy, Consultation Documentation for Practice Success, Clinical Chiropractic Pediatrics, Chiropractic Office Efficiency*, Connecticut Chiropractic Council, Uncasville, CT, 2007

The Peripheral Nervous System, *A review of peripheral nerve injury, entrapment, and diseases illustrates peripheral nerve dysfunction. The neurophysiologic testing of peripheral nerves, including nerve conduction velocity, late responses, and needle electromyography*. Carrick Institute for Graduate Studies, Farmington, CT, 2004

Protocols in VNG Analysis, *Determining a functional difference and apply your chiropractic methods to increase the central integrative state of central pathways*, Peak Performance, Farmington, CT, 2004

Oculomotor System, *The use of VNG to evaluate the visual system and its integration with the central nervous system*, Peak Performance, Farmington, CT, 2003

Clinical Applications I, *First module in six part series: Presentation of applications specific to the disorders of the human nervous system. The candidate learns how to apply advanced applications specific to all areas of the nervous system studied in the Graduate School Program of Clinical Neurology*. Carrick Institute for Graduate Studies, Farmington, CT, 2003

Clinical Applications II, *Second module in six part series: Presentation of applications specific to the disorders of the human nervous system. The candidate learns how to apply advanced applications specific to all areas of the nervous system studied in the Graduate School Program of Clinical Neurology*. Carrick Institute for Graduate Studies, Farmington, CT, 2003

Clinical Applications III, *Third module in six part series: Presentation of applications specific to the disorders of the human nervous system. The candidate learns how to apply advanced applications specific to all areas of the nervous system studied in the Graduate School Program of Clinical Neurology*. Carrick Institute for Graduate Studies, Farmington, CT, 2003

Electrodiagnostics, *This knowledge area is specific to the performance of electrodiagnostic studies*. Carrick Institute for Graduate Studies, Farmington, CT, 2003

Head and Face Pain, *The most common syndromes involving head pain from migraines to trigeminal neuralgia will be reviewed. Afferent pain pathways from the face are reviewed in regards to their structure and function*. Carrick Institute for Graduate Studies, Farmington, CT, 2003

Motor Systems, *Discussion of the structure and function of the major volitional and non-volitional motor pathways. Function of the basal ganglia, cerebral cortex, cerebellum, brainstem and spinal cord are discussed in relationship to the human motor system.* Carrick Institute for Graduate Studies, Farmington, CT, 2003

Neurological Diagnosis, *Presentation of a structured format in approaching the neurological examination. Emphasis is placed on reviewing the most common syndromes one may encounter during the practical portion of the exam, as well as methodology to understand and apply Non-Cartesian logic.* Carrick Institute for Graduate Studies, Farmington, CT, 2003

Pain, *Pain generating mechanisms are reviewed from the receptor to central processing. Central mechanisms for pain inhibition and facilitation are reviewed with emphasis placed on the clinical syndromes associated with pain integration.* Carrick Institute for Graduate Studies, Farmington, CT, 2003

Sensory Systems, *The major sensory pathways are discussed specific to their structure and function. Central processing of sensory information is reviewed in relationship to thalamic and cortical integration.* Carrick Institute for Graduate Studies, Farmington, CT, 2003

Vertigo, *The diagnosis and treatment of vertigo utilizing non-pharmaceutical and non-surgical approaches.* Carrick Institute for Graduate Studies, Farmington, CT, 2003

Lobes of the Brain, *Reviews the basic functions and structures associated with the frontal, parietal, temporal and occipital lobes.* Carrick Institute for Graduate Studies, Farmington, CT, 2002

Cranial Nerves, *Complete review of the structure and function of the cranial nerves with emphasis on their clinical syndromes.* Carrick Institute for Graduate Studies, Farmington, CT, 2002

The Brain and its Environment, *Review of the internal and supportive structures of the brain with emphasis placed on the major afferent and efferent projections associated with brain activity.* Carrick Institute for Graduate Studies, Farmington, CT, 2002

Autonomic Nervous System, *Emphasis is placed on the structure and function of the autonomic nervous system in relationship to respiratory, cardiovascular, gastrointestinal, and genitourinary function and pathology.* Carrick Institute for Graduate Studies, Farmington, CT, 2002

Recent Advancements in Clinical Nutrition, Texas Chiropractic College Division of Postgraduate Studies, LaGuardia, NY, 2001

Practice Makes Perfect – Part 1, Life Chiropractic College West, East Boston, MA 2001

B.O.L.T. Chiropractic Workshop, Connecticut Chiropractic Council, Waterbury, CT 2001  
Benefit-Oriented Long-Term, Tom Klapp D.C.

Cerebellar Cortices, *Review of the major afferent and efferent projections of the cerebellum as well as the central/peripheral consequences of cerebellar pathology.* Carrick Institute for Graduate Studies, Farmington, CT, 2002



Building Your Practice From Above-Down, Inside-Out, *Strategies for practicing chiropractic and diagnosing and documenting patient care*, Connecticut Chiropractic Council, Hartford, CT 2000

Medicare Seminar, *This course described the proper procedures for submitting claims and examination and treatment notes to Medicare*. Connecticut Chiropractic Council, Waterbury, CT, 2000

Chiropractic Biophysics - Structural Rehabilitation of the Lumbar Spine, *This course provides an integrated education for the Doctor of Chiropractic in the science and art of lumbo-pelvic disorders. The chiropractor learns appropriate application and timing of postural and functional exercises for the lumbar spine designed to correct spinal subluxation and strengthen the lower back tissues*. Life University Department of Postgraduate Education, Marietta, GA, 1999

Chiropractic Biophysics - Structural Rehabilitation of the Cervical Spine, *This course provides an integrated education for the Doctor of Chiropractic in the science and art of cervical spine disorders. The chiropractor learns appropriate application and timing of postural and functional exercises for the cervical spine designed to correct spinal subluxation and strengthen the cervical and upper thoracic spine tissues*. Life University Department of Postgraduate Education, Marietta, GA, 1999

Subluxation Complex – Neuromuscular Components, Connecticut Chiropractic Council, Rocky Hill, CT 1999

Back Pain and Golf, *Golf Injuries: Diagnosis and treatment protocols of common and uncommon golf injuries, analysis of swing mechanics to determine if patients are at risk of injury when they swing the club, fitness and conditioning, barriers to performance, concentration and nutrition*, University of Bridgeport College of Chiropractic, Bridgeport, CT, 1999

Performance of AMA Permanent Medical Impairment Examination and Fact Finding, *Understanding and utilization of the protocols and parameters of the AMA Guide to the Evaluation of Permanent Impairment*, Medical Legal Consultants Association, Boston, MA, 1998

Pediatric Adjusting, *This course provides an integrated education for the Doctor of Chiropractic in the science and art of pediatric disorders and adjusting. The chiropractor learns normal and abnormal evolution of the pediatric sagittal plane spinal curvatures and subluxation*. Life University Department of Postgraduate Education, Marietta, GA, 1998

Whiplash, *The causes and diagnosing of whiplash, philosophy of whiplash, treatment protocols and narrative reports*, Connecticut Chiropractic Council, North Haven, CT 1998

Cervical Spine Seminar, *Diagnosis, treatment and documentation of cervical spine injuries and symptoms*, Connecticut Chiropractic Council, Milldale, CT 1998

### **Selected Memberships**

Connecticut Chiropractic Council, Member, 1997 - Present

Academy of Chiropractic, Member, 2009 - 2011, 2016 – Present

Connecticut Chiropractic Council, Board of Directors, 2008

International Chiropractors Association, Member, 1998 – 2001

### **Selected Honors and Awards**

Chiropractor of the Year, Connecticut Chiropractic Council, 2002

Service Award, New York Chiropractic Council, 2002

Magna cum Laude, Life Chiropractic College, 1997

### **Selected Community Service**

City of Middletown's Kid's Health and Safety Day, Participant, Middletown, CT, 2009 – present

Middlesex United Way Campaign, Annual Supporter, Middletown, CT, 1997 – 2009, 2015 - present

Supporter of Cromwell Panthers Baseball Team – 2016

Supporter of Middletown High School Project Graduation – 2010 – present

Supporter of the Leukemia & Lymphoma Society – 2010 – present

Supporter of First Church Silent Auction – 2013

Donor to the Town of Cromwell Holiday Program – 2011

Altrusa International, Women's Health Awareness Day, Guest Presenter, Middletown, CT, 2008 – 2011

Donor to the Town of Rocky Hill Holiday Program - 2011

Presenter at the Vinal Technology High School Health & Wellness Fair – 2011

Adopt-A-Family for the Holidays Toy Drive – 2010

Multiple Sclerosis Society, Fundraiser, Cromwell, CT, 2004 – 2009

Alzheimer's Memory Walk, Fundraiser, Meriden, CT, 2009

Donor to the Amazing Grace Food Pantry – 2009

Donor to the State of CT Department of Children & Families Team Magic's Fundraiser - 2008

Donor to the Bright Star Vision Program to benefit Ghana Children – 2008

City of Middletown's Kid's Health and Safety Day, Educator, Middletown, CT, 2006 – 2008

Cromwell Food Bank, Food Drive Coordinator, Cromwell, CT, 2003 – 2007

Kid's Health and Safety Day, Director, Cromwell, CT, 2007

Supporter of Bikers for the Cure - 2007

