

**MICHAEL J. PARALOVOS D.C.**

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**SELECTED OCCUPATIONAL HISTORY**

Chiropractic Physician, Total Health of Naples, Naples, Florida, 2012-Present

Chiropractic Physician, Florida Everblades, East Coast Hockey League, 2013-Present

Chiropractic Physician, Florida Spine Group, Vero Beach, Florida, 2008-2012

Chiropractic Physician, Spine Design Chiropractic, Jupiter, Florida, 2006-2008

**EDUCATION AND LICENSURE**

Carrick Institute of Graduate Studies, Clinical Neuroscience, Cape Canaveral Florida, 2010-2013

Doctor of Chiropractic Medicine, Florida Department of Health, License # CH-9296, 2006-Present

Doctorate of Chiropractic, Life University College of Chiropractic, Marietta, Georgia, 2006

National Board of Chiropractic Examiners, Part I, 2005

National Board of Chiropractic Examiners, Part II, 2006

National Board of Chiropractic Examiners, Part III, 2006 National Board of Chiropractic

Examiners, Part IV, 2007 National Board of Chiropractic Examiners, Physiotherapy, 2006

Florida Board of Chiropractic Medicine, 2006

Internship, Life University Outpatient Clinic, Marietta, Georgia, 2005-2006

Bachelor of Science, Biology, Excelsior College, Albany, New York, 2006

Undergraduate and Pre-Chiropractic Studies, Life University College of Arts and Sciences, Marietta, Georgia, 1999-2003

## **SELECTED POST-GRADUATE EDUCATION and CERTIFICATIONS**

Florida Chiropractic Association SW Regional Convention & Exposition: *Caring for the female patient throughout her physiological journey, Building our communities with credibility, "How To" define, document and bill utilizing AT and GA modifiers, Prevention of medical errors.* New York Chiropractic College, Fort Myers, Florida, 2017

Certified Chiropractic Sports Physician Program (CCSP), Concepts of a Team Physician: *Topics include Sports Psychology, Development of a Sports Practice, Overview of the Pre-Participation Exam, Basic Physiology of Muscle Contraction and Exercise Physiology, Anaerobic vs Aerobic Training, Athletic Training Principals and Fundamentals of Physical Training.* Texas Chiropractic College, Miami, Florida, 2017

Florida Chiropractic Association SE Regional Convention & Exposition: *Neurobiology & Application to Sports Performance as it pertains to the effect of spinal manipulation on the athlete, Successful Integration of Chiropractic in the Athletic Training Room, Concussion Practicum.* New York Chiropractic College, Miami, Florida, 2017

Florida Chiropractic Association SW Regional Convention: *Using the Florida Law to Propel your Practice, Seminar for Understanding Required Medicare Documentation, Driving Your Practice to become Audit Proof.* New York Chiropractic College, Naples, Florida, 2016

FMT Basic Certification: *This course introduces the concept of movement therapy and enhancement via functional taping methods. It includes a review of the current literature supporting the theory of kinesiology taping for the purposes of rehabilitation, edema/swelling management, neuropathic pain, scar mobility and postural management. FMT Basic is an evidence-informed kinesiology taping course that redefines our understanding of the effects of elastic therapeutic taping on pain mitigation, circulation and proprioception. FMT Basic lays the groundwork for a practical framework of 'taping movement, not muscles' to replace an outdated model focused on directional taping to activate or inhibit muscles.* RockTape, Fort Myers, Florida, 2016

Florida Chiropractic Association Winter Convention: *License renewal series for biennium. The latest research and information pertaining to: documentation, medical errors, risk management, ethics and Florida laws and rules.* New York Chiropractic College, Naples, Florida, 2015

ISFTA Rehab Fitness Specialist: *This course is designed to teach members of the healthcare and medical field how to transition a patient from a rehab setting to a post-rehab fitness program. The physician will learn how to integrate various concepts of fitness and the physiological impact of dynamic movement to their treatment programs. Anatomy, physiology and kinesiology are examined in depth to provide a greater understanding of the body. It prepares the physician to provide a more comprehensive home exercise program that is more appropriate to higher level patients.* International Sports and Fitness Trainers Association, Fort Myers, Florida, 2015

**Stability Ball Trainer Certification:** *Concepts taught include the wide array of benefits that stability ball training can offer patients including core strength, posture, balance, body awareness, flexibility and even cardiovascular fitness.* International Sports and Fitness Trainers Association, Fort Myers, Florida, 2015

Florida Chiropractic Association Winter Convention: *Posture and Gait: Documentation, Coding & Communication, What your patient's skin is telling you and what you must do about it, How to identify your social media risk, Documenting Diagnoses Definitely, Creating functional documentation to create medical necessity, Ethical guidelines for chiropractic nutrition, Florida Laws and Rules – for fun and profit,* New York Chiropractic College, Naples, Florida, 2011

**Certification as a USA Weightlifting Level 1 Sport Performance Coach, USA Weightlifting, Colorado Springs, Colorado, 2013**

USA Weightlifting Level 1 Sport Performance Certification: *This course takes all participants through complete technical progressions of the Snatch, Clean & Jerk, and all associated movements including Power Snatch, Power Clean, Power Jerk, Squat variations, and pulling progressions. Participants gain base line knowledge about the programming of training and technical rules. The course includes theoretical classroom, and practical hands-on portions.* USA Weightlifting, Miami, Florida, 2013

Graston Technique®: *An advanced form of instrument-assisted soft tissue mobilization (IASTM), which incorporates the use of six patented stainless steel instruments. GT enables clinicians to effectively treat the adverse effects of scar tissue and fascial restrictions. The purpose of this basic training is to introduce clinicians to GT, its clinical applications, physiological effects/benefits and potential contraindications.* New York Chiropractic College and Graston Technique®, Orlando, Florida, 2013

**Board Eligible Chiropractic Neurologist, American Chiropractic Neurology Board, 2013**

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, American Chiropractic Neurology Board, National Organization for Competency Assurance, Orlando, Florida, 2013

Cranial Nerves: *Complete review of the structure and function of the cranial nerves with emphasis on their clinical syndromes. Applications and procedures specific to this area of the nervous system are covered in detail both didactically and practically.* Carrick Institute for Graduate Studies, American Chiropractic Neurology Board, National Organization for Competency Assurance, Orlando, Florida, 2013

*The Brain & It's 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. Lesions of the supportive structures of brain and the clinical methodology used in determining brain vascular integrity is discussed. Applications specific to brain based treatments are explored in detail.* Carrick Institute for Graduate Studies, American Chiropractic Neurology Board, National Organization for Competency Assurance, Orlando, Florida, 2013

*Cerebellar Cortices: Review of the major afferent and efferent projections of the cerebellum as well as the central/peripheral consequences of cerebellar pathology. The relationship of labyrinthine integration to ocular movement is discussed in detail with emphasis on its clinical application.* Carrick Institute for Graduate Studies, American Chiropractic Neurology Board, National Organization for Competency Assurance, Orlando, Florida, 2013

*Autoimmune Signaling Systems and Neuroendocrine Immunology of Blood Glucose Issues: The current concepts of autoimmune messenger systems with the role of the NF- $\kappa$ B and other cytokine signaling systems are discussed. The complex interplay between insulin surges and the neuroendocrine-immune network are reviewed as it pertains to conditions associated with blood glucose issues that commonly present in clinical practice. Nutritional support for a healthy immune system and strategies to identify these secondary issues are taught.* Apex Seminars, Apex Energetics, Hollywood, Florida, 2013

*Reflexogenic Systems: Review of the structure and function of spinal cord reflexes from monosynaptic to cross cord reflexes. Clinical applications are emphasized in relationship to the use of modalities in the treatment of central and peripheral based disorders of muscle tone.* Carrick Institute for Graduate Studies, American Chiropractic Neurology Board, National Organization for Competency Assurance, Orlando, Florida, 2013

*Spinal Cord: Detailed review of the structure and function of the spinal cord with emphasis on clinical syndromes. Also presented is structured methodology to differentiate between various clinical syndromes directly and or indirectly involving the spinal cord. Applications in the treatment of the spinal cord injured patient are explored.* Carrick Institute for Graduate Studies, American Chiropractic Neurology Board, National Organization for Competency Assurance, Orlando, Florida, 2013

**Certificate CrossFit Movement and Mobility Trainer. American National Standards Institute. Crossfit Inc, Washington, D.C., 2012**

*CrossFit Movement and Mobility: Hands on, movement theory based course where coaches and athletes are exposed to the principles of movement and mobility methodology of resolving pain, preventing injury, and optimizing athletic performance.* Crossfit Seminars, Kelly Starrett DPT, Tampa, Florida, 2012

*Peripheral Nervous System: Structure and function of the peripheral nervous system is reviewed with emphasis on the clinical syndromes most commonly associated with lesions in the system. The central consequences of such lesions are discussed in relationship to neuronal function thus developing new methodologies of diagnosis and treatment.* Carrick

Institute for Graduate Studies, American Chiropractic Neurology Board, National Organization for Competency Assurance, Orlando, Florida, 2012

Neuromuscular Applications: *Emphasis is placed on the structure and function of the motor system in relationship to receptor activation. The relationship between brain/muscle spindle sensitivity/gain and muscle tone is explored. Methodology concerning brain based activation of the neuromuscular system is presented.* Carrick Institute for Graduate Studies, American Chiropractic Neurology Board, National Organization for Competency Assurance, Orlando, Florida, 2012

Neurotransmitters and Brain: *This course reviews physiological interactions between neurotransmitters, hormones and the immune system. Clinical applications, questionnaire forms, laboratory tests and nutritional supplements are emphasized.* Apex Seminars, Apex Energetics, Hollywood, Florida, 2012

Neuron Theory & Receptor Activation: *Advanced components of neuronal structure and activity are reviewed with emphasis on the relationship between environmental potentials and their effects on the central nervous system. Clinical applications of the breadth and depth of information are emphasized.* Carrick Institute for Graduate Studies, American Chiropractic Neurology Board, National Organization for Competency Assurance, Orlando, Florida, 2012

**Certificate Crossfit Level 1 Trainer. American National Standards Institute. Crossfit Inc, Washington, D.C., 2012**

Crossfit Level 1 Trainer Course: *The Level 1 Trainer Course is an introductory course on CrossFit's methodology, concepts, and movements. The course includes classroom instruction on: CrossFit's conceptual framework, CrossFit's foundational movements, programming to optimize training results, and nutrition strategies to support fitness.* Crossfit Seminars, Miami, Florida, 2012

Functional Movement Screen: *The FMS is a proven system that assists the clinician in creating the most effective, individualized exercise program to avoid injury and increase performance in any population group. This course will provide the clinician with the background and philosophy of the FMS and specifics on how to perform the Functional Movement Screen.* Gray Cook MSPT, OCS, CSCS. Functional Movement Systems, Chatham Virginia, 2012

Neuroendocrine Immunology Series, Module 2: Gluten and Leaky Gut: *Understanding the complexity of gluten sensitivity and breaking the complex web of leaky gut,* Apex Seminars, Apex Energetics, Hollywood, Florida, 2011

Florida Chiropractic Association Winter Convention: *The "How To" for Measuring Your Documentation Compliance, Ethical Boundaries and Vitamins, An Evidence-Based Approach to Medicare Compliance, Florida Licensing Laws and Rules, Significant Symptoms that Doctors Ignore, How to Create a Chiropractic Treatment Plan According to Medicare, Herb-Medicine Safety Issues,* New York Chiropractic College, Naples, Florida, 2011

Physical Exam: *This course is a review of clinical physical examination techniques for the diagnosis of neurological disorders and common orthopaedic complaints that are commonly encountered differentials by practitioners dealing with the neuromuscular system.* Carrick Institute for Graduate Studies, American Chiropractic Neurology Board, National Organization for Competency Assurance, Orlando, Florida, 2011

Functional Neurology Clinical Applications IV: Autonomic Functions, *Presentation of applications specific to the disorders of the human nervous system. The candidate will learn how to apply advanced applications specific to all areas of the nervous system studied in the Graduate School Program of Clinical Neurology. These advanced modules will be based upon practicums and patient based paradigms.* Carrick Institute for Graduate Studies, American Chiropractic Neurology Board, National Organization for Competency Assurance, Orlando, Florida, 2011

Functional Neurology Clinical Applications III: Friedreich's Ataxia and Brain Gut Axis, *Presentation of applications specific to the disorders of the human nervous system. The candidate will learn how to apply advanced applications specific to all areas of the nervous system studied in the Graduate School Program of Clinical Neurology. These advanced modules will be based upon practicums and patient based paradigms.* Carrick Institute for Graduate Studies, American Chiropractic Neurology Board, National Organization for Competency Assurance, Orlando, Florida, 2011

Functional Neurology Clinical Applications II: Cardiac Function and Neurological Influences, *Presentation of applications specific to the disorders of the human nervous system. The candidate will learn how to apply advanced applications specific to all areas of the nervous system studied in the Graduate School Program of Clinical Neurology. These advanced modules will be based upon practicums and patient based paradigms.* Carrick Institute for Graduate Studies, American Chiropractic Neurology Board, National Organization for Competency Assurance, Orlando, Florida, 2011

Functional Neurology Clinical Applications I: Vestibular System, *Presentation of applications specific to the disorders of the human nervous system. The candidate will learn how to apply advanced applications specific to all areas of the nervous system studied in the Graduate School Program of Clinical Neurology. These advanced modules will be based upon practicums and patient based paradigms.* Carrick Institute for Graduate Studies, American Chiropractic Neurology Board, National Organization for Competency Assurance, Orlando, Florida, 2011

Peripheral Nerve Disorders and Neurophysiologic Testing, *A review of Peripheral nerve injury, entrapment, and diseases illustrate peripheral nerve dysfunction. The neurophysiologic testing of peripheral nerves including nerve conduction velocity, late responses, and needle electromyography. Case studies help the learner correlate the neurophysiologic testing with the nerve dysfunction.* Carrick Institute for Graduate Studies, American Chiropractic Neurology Board, National Organization for Competency Assurance, Orlando, Florida, 2011

Direct and Cross Examination of the Plaintiff's Treating Physician and of the Defense Medical Expert, *Considerations for trial preparation on both plaintiff and defendant sides. A hierarchy of questions are discussed to properly prepare and engage your witness for an effective trial.* Windsor Imaging, Jay Green, Esq., Port Saint Lucie, Florida, 2011

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. Applications specific to the diagnosis and treatment of both central and peripheral pathology are covered.* Carrick Institute for Graduate Studies, American Chiropractic Neurology Board, National Organization for Competency Assurance, Orlando, Florida, 2011

Head and Face Pain, *The most common syndromes involving head pain from migraines to trigeminal neuralgia is reviewed. Afferent pain pathways from the face will is reviewed in regards to their structure and function. Applications specific to the facial pain sufferer is presented.* Carrick Institute for Graduate Studies, American Chiropractic Neurology Board, National Organization for Competency Assurance, Orlando, Florida, 2011

Pain, *Pain generating mechanisms is reviewed from the receptor to central processing. Central mechanisms for pain inhibition and facilitation is reviewed with emphasis placed on the clinical syndromes associated with pain integration. Methodology specific to chiropractic modalities will be reviewed as well.* Carrick Institute for Graduate Studies, American Chiropractic Neurology Board, National Organization for Competency Assurance, Orlando, Florida, 2011

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. Disorders of the sensorium is reviewed and methodology introduced to aid in differentiating these disorders from central and peripheral origins. Applications specific to the treatment of the sensorium is explored.* Carrick Institute for Graduate Studies, American Chiropractic Neurology Board, National Organization for Competency Assurance, Orlando, Florida, 2010

Structural Rehabilitation of the Lumbar Spine, *The science and art of lumbo-pelvic disorders. Detailed literature reviews covering the crisis of lumbar disorders in patient populations, the role of spinal manipulative therapy and structural correction of sagittal lumbar lordosis. Appropriate application and timing of postural and functional exercises for the lumbar spine designed to correct spinal subluxation and strengthen the lower back tissues. 17 categories of sagittal lumbar traction and 5 methods of coronal lumbar traction with demonstrations for structural rehabilitation of the lumbar spine, including indications and contraindications.* New York Chiropractic College and Chiropractic Biophysics Seminars, Charlotte, North Carolina, 2005 and Orlando, Florida, 2010

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.* CMCS Post Doctoral Division, New York Chiropractic Council, New York State Department of Education, Board for Chiropractic, Long Island, New York, 2010

Accident Reconstruction: Skid Marks, Time, Distance, Velocity, Speed Formulas and Road Surfaces, *The mathematical calculations necessary utilizing time, distance, speed, coefficients of friction and acceleration in reconstructing an accident. The application of the critical documentation acquired from an accident site.* CMCS Post Doctoral Division, New York Chiropractic Council, New York State Department of Education, Board for Chiropractic, Long Island, New York, 2010

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.* CMCS Post Doctoral Division, New York Chiropractic Council, New York State Department of Education, Board for Chiropractic, Long Island, New York, 2010

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.* CMCS Post Doctoral Division, New York Chiropractic Council, New York State Department of Education, Board for Chiropractic, Long Island, New York, 2010

Lobes of the Brain, *Review the basic functions and structures associated with the frontal, parietal, temporal and occipital lobes. Methodology involving the use of optokinetic stimulations and other brain based diagnostics and therapeutics will be reviewed.* Carrick Institute for Graduate Studies, American Chiropractic Neurology Board, National Organization for Competency Assurance, Orlando, Florida, 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.* CMCS Post Doctoral Division, New York Chiropractic Council, New York State Department of Education, Board for Chiropractic, Magdy Shady MD, Neurosurgeon, Long Island, New York, 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.* CMCS Post Doctoral Division, New York Chiropractic Council, New York State Department of Education, Board for Chiropractic, Robert Peyster MD, Neuroradiologist, Long Island, New York, 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.* CMCS Post Doctoral Division, New York Chiropractic Council, New York State Department of Education, Board for Chiropractic, Robert Peyster MD, Neuroradiologist, Long Island, New York, 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.* CMCS Post Doctoral Division, New York Chiropractic Council, New York State Department of Education, Board for Chiropractic, Robert Peyster MD, Neuroradiologist, Long Island, New York, 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.* CMCS Post Doctoral Division, New York Chiropractic Council, New York State Department of Education, Board for Chiropractic, Robert Peyster MD, Neuroradiologist, Long Island, New York, 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.* CMCS Post Doctoral Division, New York Chiropractic Council, New York State Department of Education, Board for Chiropractic, Long Island, New York, 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, New York, 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, New York, 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-Electronystagmosgraphy (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, New York, 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, New York, 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, New York, 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, New York, 2010

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, New York, 2010

**Certification as a Golf Fitness Instructor, Titleist Performance Institute, Oceanside, California, 2009**

TPI Certified Golf Fitness Instructor level 1, *Identify and overcome any physical restrictions that are limiting your patient's athletic potential. The latest in golf-specific health and fitness.* Titleist Performance Institute, Orlando, Florida, 2009

Florida Board of Chiropractic Medicine Continuing Education and License Renewal, *State laws and rules, professional and ethical boundaries, medical errors and documentation and coding.* Palmer College of Chiropractic, Port Orange, Florida, 2009

American Medical Association Guides to the Evaluation of Permanent Impairment 6<sup>th</sup> Edition, *Impairment and disability evaluation and rating system based on the AMA standards. The use of proper ICD-9 and CPT coding as well a documentation protocols.* Texas Chiropractic College and Kaplan Seminars, Orlando, Florida, 2009

Structural Rehabilitation of the Cervical Spine, *The science and art of cervical spine disorders. The crisis of cervical disorders in patient populations, the role of spinal*

*manipulative therapy and structural correction of sagittal cervical lordosis. 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. 16 categories of sagittal cervical traction and 3 methods of coronal cervical traction with demonstrations for structural rehabilitation of the cervical spine, including indications and contraindications.* Cleveland Chiropractic College and Chiropractic Biophysics Seminars, Orlando, Florida, 2009

**Distinguished Fellow of Chiropractic Biophysics, Chiropractic Biophysics Seminars, Evanston, Wyoming, 2007**

*Instrument Adjusting, The science and art of upper cervical spinal disorders with application to instrument adjusting for full spine postural subluxations and joint fixations. How posture displacement influences the upper cervical spine as well as normal joint kinematics and instability analysis of the upper cervical spine. The biomechanics and neurophysiological mechanisms of instrument adjusting techniques with indications for different techniques of segmental versus postural adjusting. Comparative review of upper cervical methods of adjusting and a literature review on upper cervical anomalies.* Cleveland Chiropractic College and Chiropractic Biophysics Seminars, Newark, New Jersey, 2007

*New Era in Spinal Whiplash and Trauma, The science of motor vehicle trauma. Rehabilitation protocols for automobile accident subjects, particularly the efficacy of chiropractic intervention. Tissues that are the source of chronic spinal pain, how pain travels from the injured tissues to the brain, and documenting whiplash post-traumatic articular stability. How the automobile accident trauma affects the immune system, vision, dizziness, emotions, cognition as well as neurobiological adaptations following such trauma.* Life Chiropractic College West, Fort Lauderdale, Florida, 2007

*Neuromechanical Innovations, Chiropractic adjustment mechanisms and technological advancements in quantitative computerized adjusting. Practical application of impulse adjusting technique®. CMS requirements, PART documentation requirements and guidelines in chiropractic practice.* New York Chiropractic College, Chicago, Illinois, 2007

*Drop Table Adjusting, Leg Length Inequality & Orthotic Intervention, The science and art of spine, posture, and lower extremity disorders. The total permutations of abnormal posture using formulas from probability theory is delineated and a literature review on postural displacements as they correlate to patient conditions is provided. The details of objective postural assessment and measurement are reviewed.* New York Chiropractic College and Chiropractic Biophysics Seminars, Atlanta, Georgia, 2006

*Biomechanics of the Spine & Subluxation, Types of loading of spinal biomechanics and stress and strain evaluations of spinal tissues during each type of spinal loading. Mechanisms of injury to the spine.* New York Chiropractic College and Chiropractic Biophysics Seminars, Marietta, Georgia, 2005

Basics of CBP Technique, *Frequency and duration topics for establishing a logical treatment plan for chiropractic patients. Normal static equilibrium spinal model from the literature and two types of subluxation that are not normal, abnormal posture and segmental spinal coupling patterns as rotations and translations in 3-D. Validity, reliability, projection geometry, and CBP analysis methods.* New York Chiropractic College and Chiropractic Biophysics Seminars, Marietta, Georgia, 2004

## **SELECTED PROFESSIONAL MEMBERSHIPS**

Florida Chiropractic Association, fcachiro.org

Titleist Performance Institute, mytpi.com

National Strength and Conditioning Association (NSCA), nsca.com

USA Hockey, usahockey.com

## **SELECTED HONORS AND AWARDS**

Gulfshore Life, Top Doctor, 2015-present

Rehab and Treatment Results Scholarship, Foot Levelers Inc., 2006

Chiropractic Biophysics Outstanding Achievement Award, Chiropractic Biophysics Non-Profit, 2006

Athletic Scholarship, Life University Skating Eagles, Life University, 1999-2006

## **SELECTED COMMUNITY SERVICE**

Florida Gulf Coast University Ice Hockey, Sponsor, Fort Myers, Florida, 2017-18

Naples Winter Open - USA Weightlifting, Sponsor, Naples, Florida, 2017

Florida Baptist Children's Home, Donator, Ft. Myers, Florida, 2017

Burpees for Life - Cancer Alliance of Naples, Donator, Naples, Florida, 2016

Harry Kashner Memorial Fund, Donator, Naples, Florida, 2016

Crossfit Blaze In-House Competition, Sponsor, Naples, Florida, 2016