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SELECTED OCCUPATIONAL HISTORY

Chiropractor and Clinic Director, Eatontown Elite Care Center, LLC d/b/a Eatontown Spine & Injury Center, Eatontown NJ, 2005 – Present

Chiropractor and Co-Clinic Director, Align Health & Wellness Center, Hightstown, NJ, 2012 – 2013

Chiropractor and Clinic Director, Hamilton Elite Care Center, LLC d/b/a Trenton Spine & Injury Center, Trenton NJ, 2010 – 2013

Chiropractor and Clinic Director, Hamilton Elite Care Center, LLC d/b/a Hamilton Spine & Injury Center, Hamilton NJ, 2008 – 2010

Chiropractor and Clinic Director, Kovacs Chiropractic LLC, Manasquan, NJ, 2002 – 2005

EDUCATION and LICENSURE

Board Certified Neurofeedback Practitioner, Biofeedback Certification International Alliance, Certification #E5458, 2012 – Present

Doctor of Chiropractic, Licensed in the State of New Jersey, License #38MC005930, 2001– Present

National Board of Chiropractic Examiners, Part I, Marietta GA, 2000

National Board of Chiropractic Examiners, Part II, Marietta GA, 2000

National Board of Chiropractic Examiners, Part III, Marietta GA, 2001

National Board of Chiropractic Examiners, Physiotherapy, Marietta GA, 2001

National Board of Chiropractic Examiners, Part IV, Marietta GA, 2001

Doctorate of Chiropractic, Life University, Marietta GA, 2001

Bachelor of Arts in Communication Science, University of Vermont, Burlington, VT, 1997

SELECTED POST-GRADUATE EDUCATION and CERTIFICATIONS

Assessment and Rehabilitation of the Shoulder, Part II. *Review of office based rehabilitation and treatment strategies for the most common shoulder conditions presenting to an outpatient setting.* Association of New Jersey Chiropractors, New Brunswick NJ, 2016

Assessment and Rehabilitation of the Shoulder, Part I. *Review the examination and assessment procedures for the shoulder including common conditions presenting to an outpatient setting.* Association of New Jersey Chiropractors, New Brunswick NJ, 2016

New Medicare Payment System: The Changes Have Begun. *Learn the basics of the new Merit Based Incentive Payment system, the new reporting requirements, and the new scoring method to determine if you can receive higher payments. Discussion of the requirements for participation.* Association of New Jersey Chiropractors, New Brunswick NJ, 2016

Methylation, Oxidative Stress and the QEEG. *How genetic polymorphisms impact methylation defects and enzyme production and how the resulting physiological stress manifests itself in the quantitative EEG including examples of maps from different types of conditions such as anxiety, depression, attention deficit disorder, and traumatic brain injury.* New Mind Neurofeedback Institute, Atlanta GA, 2016

Neuroplasticity, Neurofeedback and Chronic Neurological Conditions. *A look at the latest research showing the brain's ability to adapt by creating new neurological pathways that previously science thought was not possible. Review of how environmental factors, spinal fixation, trauma, and the HPA axis affect the brain.* New Mind Neurofeedback Institute, Atlanta GA, 2016

Essential Oils and Their Role in Neurofeedback. *Introduction to the physiology and science of how essential oils work in the body, as well as discussion on the specific essential oils that impact the typical cases a neurofeedback practice would see and how to use them synergistically with neurofeedback to produce optimum results.* New Mind Neurofeedback Institute, Atlanta GA, 2016

Epigenetics. *Evaluating what epigenetics means, the environmental impact on the biochemical and genetic uniqueness of each individual's health, identifying triggers and mediators as detected in the clinical history, evaluation and examination, and an introduction to corrective protocols to restore and optimize health backed by clinical research reviewed showing key clinical strategies.* New Mind Neurofeedback Institute, Atlanta GA, 2016

Improving Neurofeedback Results by Optimizing Nutrition. *Discussion of the importance of optimum nutrition in relation to the life of a neuron. Examination of different testing methodologies for detecting food sensitivities in the body that can cause leaky gut syndrome leading to systemic and/or neuroinflammation. Review of the 32 potential supplement recommendations based upon a quantitative electroencephalogram report and their uses.* New Mind Neurofeedback Institute, Atlanta GA, 2016

Physical Examination and Diagnostic Criteria for Effective Care Planning and Documentation, *Discussion of the medical and legal components of the history as well as the physical examination. Pain patterns, evaluation, differential diagnosis, and diagnostic criteria of facet joint syndrome, non-specific low back pain, lumbar disc disorders and cervical radiculitis are reviewed.* Association of New Jersey Chiropractors, New York Chiropractic College, Online Coursework, 2016

A Holistic Approach to Concussion Management. *Review of the epidemic numbers of concussion injuries across all ages but especially children and teenagers. Discussed the current diagnosis methods and most effective management and recovery treatment strategies and how multidisciplinary approaches are the most logical.* Association of New Jersey Chiropractors, New York Chiropractic College, Monroe NJ, 2016

Neurological Effects of Spinal Manipulation. *Discussion of a number of neurological effects as a result of spinal manipulation including relaxation of hypertonic spinal musculature, afferentation, pain modulation, autonomic nervous system stimulation, reduction of dural tension, and changes in supraspinal processing.* Association of New Jersey Chiropractors, New York Chiropractic College, Online Coursework, 2016

Examining the Popular Soft Tissue Therapies: Underlying Mechanisms and Options. *Statistical overview, anatomical review and pathomechanics are presented. Different treatment modalities examined with respect to their benefit to the theoretical mechanisms of myofascial dysfunction.* Association of New Jersey Chiropractors, New York Chiropractic College, Online Coursework, 2016

A Chiropractic Approach to MRI Interpretation, Part 1. *MRI interpretation of disc pathologies are discussed and case studies show. Emphasis on bulged and herniated disc pathologies and the resultant neurological sequelae in relationship to the spinal cord and spinal nerve roots.* Association of New Jersey Chiropractors, New York Chiropractic College, New Brunswick NJ, 2016

Psychological and Clinical Aspects of Patient Care. *Discussion of the importance of congruency between the doctor's intention and philosophy as it relates to patient care. Success principles are presented and shown how they can be ethical, lead to prosperity as well as helping your patient achieve their goals.* Association of New Jersey Chiropractors, New York Chiropractic College, New Brunswick NJ, 2016

Aromatherapy and Chiropractic. *Discussion of what essential oils are, historical usage of essential oils, how they can be of benefit in the modern chiropractic office, and the importance of purity. Case studies are presented and discussed.* Association of New Jersey Chiropractors, New York Chiropractic College, Online Coursework, 2016

A Chiropractic Approach to MRI Interpretation. *Overview of MRI interpretation of bulged, herniated, protruded, extruded sequestered and fragmented disc pathologies as a result of trauma & degenerative factors and resultant neurological sequelae in relationship to the spinal cord and spinal nerve roots.* Association of New Jersey Chiropractors, New York Chiropractic College, Online Coursework, 2016

Lyme Disease: An Alternative Approach. *Discuss the possible origins of the disease, the challenges of diagnostics due the many forms of the disease, and the co-infectors commonly seen with Lyme disease. Discuss both conventional allopathic and alternative treatment options such as Chiropractic, nutraceutical, and botanical therapies.* Association of New Jersey Chiropractors, New York Chiropractic College, Toms River NJ, 2016

Chiropractic Management of the Patient with Vestibular Dysfunction. *Explore the prevalence of dizziness and its distinction from vertigo, light-headedness and other balance disorders. Review different treatment approaches including specific chiropractic adjustments and other in-office rehabilitation procedures.* Association of New Jersey Chiropractors, New York Chiropractic College, Galloway NJ, 2016

Confines to Neurofeedback: Stress, Trauma and Self-Regulation. *How trauma and stress affect neurofeedback treatment. How the body's ability to self-regulate will be altered by past trauma and stress and how this needs to be addressed as an adjunct to neurofeedback treatment.* New Mind Neurofeedback Institute, Hilton Head, SC, 2015

Traumatic Brain Injury – The Silent Epidemic. *The challenges and complexities of identifying the incidence and prevalence of TBI, the multiple causes and symptoms of TBI, and treating traumatic brain injury with neurofeedback.* New Mind Neurofeedback Institute, Hilton Head, SC, 2015

The Stages of the Oxidative Stress Cycle in EEG. *How physiological stress manifests itself in the quantitative EEG. Understanding how stress affects different structures of the brain and their symptomatic correlates.* New Mind Neurofeedback Institute, Hilton Head, SC, 2015

Brain Injury and Neurodegeneration. *Better comprehension of the history, symptoms, signs, history collection, in office diagnostic tests, special imaging diagnostic tests, and management of patients who have sustained traumatic brain injury or who are suffering from brain neurodegenerative disease. Understanding the management and role of certain interventions and concomitant conditions such as inflammation, insulin resistance, medium chain saturated fats and ketones, low level laser therapy and general dietary and supplementation support.* Nutri-West Mid Atlantic, Logan University College of Chiropractic, East Brunswick NJ, 2015

Introduction to ICD-10. *Gain a basic understanding of ICD-10, understand the reason for transition and identify and familiarize the listener with the similarities and differences from ICD-9 and relevant guidelines to help ease the transition.* New York Chiropractic College, Online Coursework, 2015

Importance of the Fascial System in the Chiropractic Practice. *Review of the fascial system with an emphasis on current research showing its expanded role in the musculoskeletal system than was previously thought. Fascial Manipulation techniques were discussed and demonstrated along with the concept that fascial restrictions can refer pain throughout the body.* Association of New Jersey Chiropractors, New York Chiropractic College, New Brunswick NJ, 2015

Philosophy and Holism: An Investigation into Reality. *An exploration of the multifactorial approach in healing including a patient's emotional state. How our thoughts and beliefs as care givers can affect our patient's response to care along with an overview of the quantum theory and experiments behind these concepts.* Association of New Jersey Chiropractors, New York Chiropractic College, New Brunswick NJ, 2015

Understanding the Chiropractic Laws You Work Under. *Proper recordkeeping for chiropractic and nutritional cases. Learn what diagnostic and treatment services you are/are not permitted to do under the N.J. chiropractic scope of practice. Professional ethics and boundaries for the chiropractor - the Do's and Don'ts when working with patients.* Association of New Jersey Chiropractors, New York Chiropractic College, Freehold NJ, 2015

Chiropractic Neurology and Neurofeedback: Introduction to Trauma and the Brain from a Neurobiological Perspective. *Prevalence of trauma is discussed with close attention to the multiple and often hidden ways people receive physical head injuries which can accumulate over time and the biological changes that occur in the brain as a result.* Advanced Healthcare Solutions, Atlanta, GA, 2014

Chiropractic Neurology and Neurofeedback: Interpreting the Brainmap. *Global, regional and local considerations when looking at a brainmap. Strategies to help determine the training sites for best patient outcomes.* New Mind Neurofeedback Institute, Hilton Head, SC, 2014

Chiropractic Neurology and Neurofeedback: Bilateral Compensatory Training with Neurofeedback. *Advantages of a network approach vs a regional or nodal approach to neurofeedback training. Research presented to support the efficacy and efficiency of this approach.* New Mind Neurofeedback Institute, Hilton Head, SC, 2014

Chiropractic Neurology And Neurofeedback: How Nutrition and Metabolism Relate to Oxidative Stress. *How metabolic issues such as heavy metal toxicity, mineral imbalance and environmental chemicals in our food affect brain health and how these issues correlate to changes in the QEEG.* New Mind Neurofeedback Institute, Hilton Head, SC, 2014

Functional Soft Tissue. *Introduction to SFMA (Selective Functional Movement Assessment) evaluation procedures and how they relate to soft tissue treatment. Demonstration of FAKTR in the treatment of ligament, tendon, myofascial, post-surgical, and traumatic injuries in the acute or chronic stages. The demonstration of Rehabilitation for the treatment, stabilization of soft tissue injuries and postural disorders.* New York Chiropractic College, Online Coursework, 2014

How to Adjust the Typical TMJ. *Review the anatomy and neurological complexity of the TMJ and how it's involvement in a variety of symptoms. Corrective adjustment procedures are demonstrated.* New York Chiropractic College, Online Coursework, 2014

Rehab Made Easy: Preventing ACL Injuries. *Review of risk factors and statistics regarding ACL injuries along with the anatomy and mechanism of common injuries. Prevention strategies and in-office rehabilitation protocols are discussed.* New York Chiropractic College, Online Coursework, 2014

Optimizing Function of the Thoracolumbar Fascia via Kinesiotaping. *Anatomical review of the thoracolumbar fascia and its involvement in the kinetic chain, its role in mechanoreception, and how to use Kinesiotape to achieve better corrections by taping movement patterns rather than muscle groups.* New York Chiropractic College, Online Coursework, 2014

Scientific Basis for Chiropractic Care. *Review of neurological system involved in chiropractic adjustments including mechanoreception, nociception and chemoreception, feedback loops, and clinical indications.* New York Chiropractic College, Online Coursework, 2014

Taking the Guesswork Out of Case Management. *Setting, measuring and managing the criteria for care. Establishing a baseline for comparison purposes and using functional evaluations to establish when a patient has reached discharge status or qualifies for additional care.* Association of New Jersey Chiropractors, New York Chiropractic College, East Brunswick NJ, 2014

ICD-10-CM Boot Camp. *Gain a basic understand and reason for the transition to ICD-10. Identify the similarities and differences between version 9 and 10 while learning how to select the right codes for proper documentation and accurate reporting of services and diagnoses rendered within a chiropractic practice.* Association of New Jersey Chiropractors, New York Chiropractic College, East Brunswick NJ, 2014

Medicare Quality Measures: Making It Work in a Chiropractic Practice. *Review the current required dates of compliance for the PQRI Medicare initiative and the specific quality measures that a chiropractic office is to report on.* Association of New Jersey Chiropractors, New York Chiropractic College, East Brunswick NJ, 2014

Preventing Complications of Cervical Spine Manipulation. *Review of the literature measuring risk of neurovascular compromise, disc herniation and/or vertebral artery dissection as a sequelae to high velocity low amplitude cervical adjustments.* Association of New Jersey Chiropractors, New York Chiropractic College, East Brunswick NJ, 2014

Implementing Whole Food Concentrates into the Chiropractic Setting. *Overview of clinical cases managed with whole food supplementation in addition to chiropractic care. Review of presenter's 5 principles for taking care of people in a clinical setting.* Association of New Jersey Chiropractors, New York Chiropractic College, East Brunswick NJ, 2014

Practical Assessment of the Chiropractic Patient: A 4-Test Screening Examination. *Review of an examination that encompasses orthopedic procedures that are well documented and require minimal changes in patient position useful for a variety of applications.* New York Chiropractic College, Online Coursework, 2014

Functional Taping for Musculoskeletal Injuries. *State of the art taping procedures for disc herniation, postural disorders, tendinopathy of upper and lower extremity, ligament sprains of the upper and lower extremity, edema reduction, and joint laxities. Evaluation techniques to ensure effective treatment and medical necessity of taping.* New York Chiropractic College, Online Coursework, 2014

Department of Transportation Certified Medical Examiner Training: Module 1. *Background, rationale, mission, and goals of the FMCSA ME's role in reducing crashes, injuries, and fatalities involving CMV; Familiarization with the responsibilities and work environment of CMV operation.* New York Chiropractic College, Online Coursework, 2014

Department of Transportation Certified Medical Examiner Training: Module 2. *Identification of the operator and obtaining, reviewing, and documenting operator medical history, including prescription and over-the-counter medications.* New York Chiropractic College, Online Coursework, 2014

Department of Transportation Certified Medical Examiner Training: Module 3. *Performing, reviewing, and documenting the operator's medical examination.* New York Chiropractic College, Online Coursework, 2014

Department of Transportation Certified Medical Examiner Training: Module 4. *Performing, obtaining, and documenting additional diagnostic tests or medical opinion from a medical specialist or treating physician; Informing and educating the operator about medications and non-disqualifying medical conditions that require remedial care.* New York Chiropractic College, Online Coursework, 2014

Department of Transportation Certified Medical Examiner Training: Module 5. *Determining operator certification outcome and period for which certification should be valid; FMCSA reporting and documentation requirements.* New York Chiropractic College, Online Coursework, 2014

Department of Transportation Certified Medical Examiner Training: Module 6. *Certification Examination Review*. New York Chiropractic College, Online Coursework, 2014

Advanced Quantitative Electroencephalogram Acquisition and Theory. *Key neurological anatomy and physiology discussed and reviewed including neuronal pools, general network theory, spatial characteristics, memory networks, and activation states*. New Mind Neurofeedback Institute, Hilton Head, SC, 2013

Advanced Neurofeedback Training. *Review of normal EEG distribution, normative amplitudes of component band frequencies, artifacting, and associated dysregulated patterns and symptomatology*. New Mind Neurofeedback Institute, Hilton Head, SC, 2013

Foundations of Kinesiology Taping for Spinal & Pelvic Musculoskeletal Pain. *Key features of kinesiology tape, clinical indications, general application procedures, and review of sensory gating pathways that provide neurological influence over the perception of pain*. New York Chiropractic College, East Brunswick, NJ, 2013

Staying Compliant & Competitive in Today's Health Care Environment. *A review of common CPT codes and clarification of treatments that are frequently the subject of coding errors*. New York Chiropractic College, East Brunswick, NJ, 2013

Functional & Kinetic Treatment with Rehab, Motion and Provocation. *Introduction to procedure and its use in acute/inflammatory processes, Apply the technique to chronic/overuse injuries, practical demonstration and hands on technique*. New York Chiropractic College, East Brunswick, NJ, 2013

Cervical Spine - An Evidenced-Based Approach to Management. *Current literature review on research pertaining to cervical spinal manipulation*. Association of New Jersey Chiropractors, New York Chiropractic College, East Brunswick, NJ, 2012

Concussion: It's Not Just for Football Anymore. *Head trauma review and assessment protocols to diagnose concussion*. Association of New Jersey Chiropractors, New York Chiropractic College, East Brunswick, NJ, 2012

Neurology of Spinal Manipulation. *The neurological sequence of events following a chiropractic spinal manipulation*. Association of New Jersey Chiropractors, New York Chiropractic College, East Brunswick, NJ, 2012

Proper Coding & Documentation for Rehab and Nutrition. *ICD-9 and CPT coding for rehabilitation and nutrition services*. Association of New Jersey Chiropractors, New York Chiropractic College, East Brunswick, NJ, 2012

Headaches: Diagnosis & Management. *Discussion and review of the different types of headaches often seen in the Chiropractic office*. Association of New Jersey Chiropractors, New York Chiropractic College, East Brunswick, NJ, 2012

Professional Conduct. *Ethics, informed consent, liability, and record keeping*. New Mind Neurofeedback Institute, Roswell, GA, 2012

Treatment Planning. *Intake, evaluation and treatment planning of a neurofeedback case including QEEG Brain Maps and protocols*. New Mind Neurofeedback Institute, Roswell, GA, 2012

Psychopharmacology. *Current classification of pharmacological agents in use today*. New Mind Neurofeedback Institute, Roswell, GA, 2012

Research. *Research, statistical analysis and experiment designs*. New Mind Neurofeedback Institute, Roswell, GA, 2012

Instrumentation and Electronics. *Morphology of brainwaves, review of technical equipment needed for neurofeedback and montages of electrode sensors*. New Mind Neurofeedback Institute, Roswell, GA, 2012

Basic Neurophysiology & Neuroanatomy. *Review of anatomy and physiology of the central nervous system as well as EEG signal formation*. New Mind Neurofeedback Institute, Roswell, GA, 2012

Introduction to EEG Biofeedback, *Perspectives in EEG Biofeedback including a review of the historical figures of the field. Learning Theory including a review of classical vs. operant conditioning*. New Mind Neurofeedback Institute, Roswell, GA, 2012

Advanced Training in EEG Biofeedback. *Review of Quantitative EEG performance and interpretation including a review of two channel homologous training*. BrainCore Therapy, Hilton Head, SC, 2012

Medicare: Correcting Common Problems, *Documentation review of medical necessity as defined by Medicare including discussion of modifiers, V codes, proper diagnostic codes and treatment procedures*. Association of New Jersey Chiropractors, New York Chiropractic College, East Brunswick, NJ, 2011

In-Office Back School, *How to run a 5 visit arc of back school within your office, including assessment, scoring, improvement and equipment needed*. Association of New Jersey Chiropractors, New York Chiropractic College, East Brunswick, NJ, 2011

Nutrition Protocols – Treating the Untreatable, *Discussion of nutritional philosophy, common nutritional deficiencies seen in practice and how to order appropriate testing*. Association of New Jersey Chiropractors, New York Chiropractic College, East Brunswick, NJ, 2011

Winning the Debate on Chiropractic, *Discussion of courtroom tactics to defend against opposing attorneys*. Association of New Jersey Chiropractors, New York Chiropractic College, Long Branch, NJ, 2011

Chiropractors can lead the wellness revolution, *A review of research relevant to the concept of wellness and discussion of how chiropractic practice is well positioned to be leaders in wellness*. Association of New Jersey Chiropractors, New York Chiropractic College, Long Branch, NJ, 2011

Beyond Bands: Effective, Cost Effective Low Tech Rehab, *Utilization of low-tech rehab equipment in chiropractic practice. How simple tools can improve patient compliance and yield amazing results*. Association of New Jersey Chiropractors, New York Chiropractic College, Long Branch, NJ, 2011

Pilates: More than a Fitness Fad, *Functional strength and rehab with Pilates equipment. The historical development of Pilates and its application in modern chiropractic practice*. Association of New Jersey Chiropractors, New York Chiropractic College, Long Branch, NJ, 2011

Integrating McKenzie Technique into Practice, *Introductory look at McKenzie basic protocols, how to integrate into existing practice schemes, including basic assessment of pain and foundational principles of the technique.* Association of New Jersey Chiropractors, New York Chiropractic College, Long Branch, NJ, 2011

Dealing with the challenges inside the profession and your practice, *A look at the external and internal barriers practitioners often face and strategies to breakthrough to success.* Association of New Jersey Chiropractors, New York Chiropractic College, Long Branch, NJ, 2011

BrainCore EEG Biofeedback Training. *Explore the basics of EEG Biofeedback including history and current trends in the technology. Practice evaluation, interpretation and protocol selection in a real world setting.* BrainCore Therapy, Hilton Head, SC, 2011

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 sequelae, 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, 2010

Managing the No-fault “PIP” Practice Under 2010 PIP Laws & Regulations, *Review of current issues with regard to PIP/AICRA regulations as it regards to coding, fee schedule, decision point review, ability to order, read and interpret MRI findings.* Association of New Jersey Chiropractors, New York Chiropractic College, East Brunswick, NJ, 2010

Legal Issues Associated with New Scope of Practice, *Review of current issues with regard to new scope laws, including the ability to provide dietary/nutritional counseling, prescribe/dispense nutritional supplements, utilization of modalities/therapies without adjusting, treat extremities, and order additional diagnostic test/studies.* Association of New Jersey Chiropractors, New York Chiropractic College, East Brunswick, NJ, 2010

Documentation Designed to Protect Your Practice, *Telling the story of medical necessity while protecting from post payment audits.* Association of New Jersey Chiropractors, New York Chiropractic College, East Brunswick, NJ, 2010

Becoming the Family Chiropractor in Your Community, *Why kids need chiropractic care. Methods of positioning yourself in the community as the expert in family chiropractic.* Association of New Jersey Chiropractors, New York Chiropractic College, East Brunswick, NJ, 2010

Leading the Wellness Revolution, *Utilizing today’s modern chiropractic strategies to reduce growing health care costs in the US.* Association of New Jersey Chiropractors, New York Chiropractic College, East Brunswick, NJ, 2010

Nutrition & Blood Chemistries – Keeping It Simple & Effective to Improve Outcomes, *Utilizing lab results to accurately provide proper vitamin and supplement therapies.* Association of New Jersey Chiropractors, New York Chiropractic College, East Brunswick, NJ, 2010

Safety of Chiropractic, *Chiropractic safety and risk factor overview based on best practices guidelines chapter 4 including the risk benefit ratio of chiropractic intervention*. Association of New Jersey Chiropractors, New York Chiropractic College, East Brunswick, NJ, 2010

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 sequelae, 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, New York Chiropractic Council, Long Island, NY, 2010

MRI Normal Anatomy & Protocols, *Spinal anatomy of all MRI views utilizing T1, T2, 3D Gradient, stacking and STIR sequences of imaging. Advanced protocols of MRI examination with multiple sequences to create concurrent diagnostic findings*. CMCS Post Doctoral Division, New York Chiropractic Council, New York State Department of Education, Board for Chiropractic, Robert Peyster MD, DABR-NR, Neuroradiologist, Ronkonkoma, NY, 2009

MRI Disc & Spinal Cord and Spinal Canal Pathology, *MRI interpretation of disc pathologies as a result of trauma & degenerative factors and resultant neurological compromise. Spinal cord and canal pathologies, as well as space occupying lesion interpretation*. CMCS Post Doctoral Division, New York Chiropractic Council, New York State Department of Education, Board for Chiropractic, Robert Peyster MD, DABR-NR, Neuroradiologist, Ronkonkoma, NY, 2009

Accident Reconstruction and Ensuing Bodily Injury, *Understanding the forces involved in crashes and the transference of those forces from the bullet car to the target car. Quantifying those forces to determine bodily injury and calculating speed, distance, time and drag factors in determining causality and direction of forces*. CMCS Post Doctoral Division, New York Chiropractic Council, New York State Department of Education, Board for Chiropractic, Ronkonkoma, NY, 2009

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, State University of New York at Stony Brook, Long Island, NY, 2009

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, State University of New York at Stony Brook, Long Island, NY, 2009

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, State University of New York at Stony Brook, Long Island, NY, 2009

MRI Disc Pathology & 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, State University of New York at Stony Brook, Long Island, NY, 2009

MRI Anatomy & History, *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, State University of New York at Stony Brook, Long Island, NY, 2009

MRI Physics and History, *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, Terry Button, PhD, Medical Physicist, State University of New York at Stony Brook, Long Island, NY, 2009

MRI Interpretation of Spinal Cord, Spinal Disc and Spinal Canal Disorders, *MRI interpretation of herniated, protruded, extruded, bulged and sequestered discs & spinal stenosis as sequelae of ligamentous hypertrophy, congenital malformation, spinal cord pathology. Clinical necessity and contraindications*. Robert Peyster MD, DABR, CAQ-NR, Neuroradiologist, CMCS Post Doctoral Division, New York Chiropractic Council, New York State Department of Education, Long Island, NY, 2009

AMA Guides to the Evaluation of Permanent Impairment 6th Edition, *Clinically coordinating spinal pathology with neurological and functional sequelae including station & gait, migraines, sexual dysfunction, sleep & arousal disorders, paroxysmal disorders, radiculopathic disorders and central nervous system disorders*. CMCS Post Doctoral Division, New York Chiropractic Council, New York State Department of Education, Long Island, NY, 2009

MRI Interpretation of Herniated Disc and Spinal Cord and Root Encroachment, *MRI interpretation of herniated, protruded, extruded, bulged and sequestered discs and their relationship to the spinal cord and spinal nerve roots and the clinical correlation to spinal adjustments, manual spinal therapy and joint mobilization*. Magdy Shady MD, Neurosurgeon, Neuro-Trauma Surgery, CMCS Post Doctoral Division, New York Chiropractic Council, New York State Department of Education, Long Island, NY, 2009

Diplomate, American Academy of Medical-Legal Professionals, 2008

Upper Extremity Adjusting, *Review of clinical rationale for upper extremity joint adjustment. Protocols, indicators and rehabilitation of wrist, elbow and shoulder subluxation*. Association of New Jersey Chiropractors, New York Chiropractic College, East Brunswick, NJ, 2008

Comprehensive Metabolic Profiling Of The Complicated Patient, *Introduction to comprehensive metabolic profiling including: organic acids, neurotransmitters, bloodspot fatty acid, Omega-3 Index, lipid peroxides, oxidative stress, leaky gut and the elimination diet*. Association of New Jersey Chiropractors, New York Chiropractic College, East Brunswick, NJ, 2008

Chiropractors as Corrective Exercise Specialists, *Introduction to a systematic process of identifying a neuromusculoskeletal dysfunction, developing a plan of action and implementing the corrective strategy*. Association of New Jersey Chiropractors, New York Chiropractic College, East Brunswick, NJ, 2008

Functional Evaluation as a Screening For The Gym Athlete, *Rationale and feasibility of performing functional evaluations. Components of the functional evaluation. Review of biomechanics. Expanding the evaluation to be sport specific*. Association of New Jersey Chiropractors, New York Chiropractic College, East Brunswick, NJ, 2008

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 Management Post Doctoral Division, New York Chiropractic Council, New York State Department of Education Board for Chiropractic, Long Island, NY, 2008

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 Management Post Doctoral Division, New York Chiropractic Council, New York State Education Department Board for Chiropractic, Long Island, NY, 2008

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 Management Post Doctoral Division, New York Chiropractic Council, New York State Education Department Board for Chiropractic, Long Island, NY, 2008

MRI, Bone Scan & 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 Management Post Doctoral Division, New York Chiropractic Council, New York State Education Department Board for Chiropractic, Long Island NY, 2008

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-Electronystagmosgarphy (V-ENG) interpretation, protocols and clinical indications for the trauma patient. CMCS Management Post Doctoral Division, New York Chiropractic Council, New York State Education Department, Board for Chiropractic, Long Island, NY, 2008

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 Management Post Doctoral Division, New York Chiropractic Council, New York State Education Department, Board for Chiropractic, Long Island, NY, 2008

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 kinesiopathology, myopathology, neuropathology, pathophysiology in both a functional and structural paradigm.* CMCS Management Post Doctoral Division, New York Chiropractic Council, New York State Education Department, Board for Chiropractic, Long Island, NY, 2008

Interpreting Spinal Trauma MRI's, *MR Image formation and interpretation with an emphasis on normal vs. pathological, nomenclature and classification of disc pathology. Interpreting MRI in the courtroom and case reviews.* New York Chiropractic College, Hazlet, NJ, 2008

Certified Chiropractic Sports Physician, American Chiropractic Board of Sports Physicians, Fort Lauderdale, FL, 2008

Certified in Diagnostic Imaging and Interpreting Spinal Trauma with MRI, New York Chiropractic College, Bloomfield, NJ, 2008

Chiropractic Sports Injuries and Rehab, *Sports Nutrition and peak performance, Emergency procedures, knee and hip evaluation and adjusting procedures, ankle and foot evaluation and adjusting procedures.* University of Bridgeport, College of Chiropractic, Quakertown, PA, 2008

Personal Injury Practice with Mock Trial Demonstration, *Qualifying as a chiropractic expert witness in court & testifying regarding MRI's, MUA issues, AICRA and The Verbal Threshold, winning your PIP cases.* Association of New Jersey Chiropractors, Toms River, NJ, 2008

Interpreting Spinal Trauma MRI's, *Overview of MRI concepts, normal MRI spinal anatomy reviewed, approach to MRI interpretation of spinal abnormalities, MRI bone marrow and endplates, MRI disc disease, dynamic imaging of the spine, case reviews ,and interpreting MRI in the courtroom.* New York Chiropractic College, Bloomfield, NJ, 2008

Taping for Dummies, *Kinesiotaping and its applications. Specific proprioceptive taping procedures.* New York Chiropractic College, East Brunswick, NJ, 2007

Covering the Menu of Modalities from A-Z, *Review of low volt galvanic, high volt, interferential, premodulated, russian, biphasic, microcurrent electrotherapies, Application of ultrasound, heat, ice and phototherapy/laser.* New York Chiropractic College, East Brunswick, NJ, 2007

The use of FAKTR-PM in Daily Practice, *Introduction to procedure and its use in acute/inflammatory processes, Apply the technique to chronic/overuse injuries, practical demonstration and hands on technique.* New York Chiropractic College, East Brunswick, NJ, 2007

Simple Adjusting Techniques & Stabilization of Lower Extremity, *Review of neurophysiology as it relates to the lower extremity. Review of anatomy and adjusting techniques of the foot.* New York Chiropractic College, East Brunswick, NJ, 2007

Introduction to MRI in the Chiropractic Practice, *Review of T1 vs. T2 images, normal anatomy, and case studies.* New York Chiropractic College, East Brunswick, NJ, 2007

Whiplash and Brain Injury Traumatology, *The fundamental of expository, scientific writing you were never taught and the common dos and don'ts of narrative report preparation from A-Z. How to incorporate outcomes assessment and disability instruments into your reports (SCL-90-R, Oswestry, Roland-Morris, Rivermead PCS, and more) and the application of AMA guidelines in personal injury and forensic practice.* Spine Research Institute of San Diego, Orlando, FL, 2007

Whiplash and Brain Injury Traumatology, *Auto crash reconstruction in low speed crashes: critical knowledge for today's forensic practitioners, Historical documentation in personal injury and forensic medicine applications, Comprehensive physical examination of whiplash and traumatic brain injury, MRI examination of brain, spine, and soft tissue injuries. How and when to use diagnostic imaging modalities (SPECT, PET, fMRI, MRA, VF, etc.) and electrodiagnostics (EMG, sEMG, SSEP, VEP, etc.) Chiropractic manipulation, deep tissue massage, PT Modalities for best outcomes, Phases of Healing, Treatment Plan Design, and determination of Maximum Medical Improvement (MMI),* Spine Research Institute of San Diego, Orlando, FL, 2007

Whiplash and Brain Injury Traumatology, *No damage equals no injury myth exposed. In-depth analysis of brain, neck, and cervical spine trauma mechanisms. Soft tissue injuries: a comprehensive and cutting edge analysis. All clinical syndromes and conditions resulting from whiplash (WAD/CAD), seat belt and shoulder harness effects, Temporal Mandibular Disorder (TMD), Thoracic Outlet Syndrome (TOS), Mild Traumatic Brain Injury (MTBI), Post Concussion Syndrome (PCS), Myofascial Pain Disorder (MPD), Sclerotomal Pain Radiation, and Post Trauma Prognosis. Risk assessment: the fundamental key to modern forensic practice.* Spine Research Institute of San Diego, Orlando, FL, 2007

Cervical and Lumbar Radiculopathy Workshop, *Anatomy and pathology of the cervical and lumbar spine. Cervical-lumbar centration, neuromobilization and stabilization workshops.* University of Bridgeport College of Chiropractic, Newark, NJ, 2006

Cox Technic Seminar, *Biomechanics of the human spine. Examination and algorithm of decision making for Cox Technique, biomechanics, diagnosis and treatment of facet syndrome, spondylolisthesis, cervical spine, and hands on training.* National University of Health Sciences, Philadelphia, PA, 2005

SELECTED PUBLICATIONS

Kovacs, Jordan. "Chiropractors." *ADHD Treatments & Remedies. Top ADHD Experts Share Their Secrets to Success*. Ed. Jeremy Warner, Vernon Hills: Portrait Health Publishing, 2013. E-book

Studin, M., Peyster, R., & Kovacs, J. (2009). The Clinical Application of Advanced Imaging Utilizing High Field MRI to Determine Pathology in Both the Trauma and Non-Trauma Patient. *MRI Certification Course Module 6*, CMCS Post Doctoral Division, Long Island, NY.

SELECTED SCHOLARLY PRESENTATIONS

Kovacs, Jordan (2014, April) Innovative Collaborations to Optimize Care & Services Panel Discussion. Behavioral Health Expo, Brookdale College, Lincroft NJ

Kovacs, Jordan (2007, June) Safety Links [Television broadcast]. Eatontown, NJ: COTN-TV

SELECTED HONORS and AWARDS

Graduated Magna Cum Laude, Life University, Marietta, GA, 2001

SELECTED PROFESSIONAL MEMBERSHIPS

American Academy of Spine Physicians, Member, 2009 – Present

American Academy of Medical Legal Professionals, Member, 2008 – Present

Association of New Jersey Chiropractors, Member, 2005 – Present

American Chiropractic Association, Member, 1998 – Present

SELECTED OFFICES HELD

Association of New Jersey Chiropractors, State Board Member – 2016 - Present

American Chiropractic Association, State Delegate - Alternate, 2013 – Present

Association of New Jersey Chiropractors, Regional Board Member - Central Region, 2012 – Present

SELECTED COMMUNITY SERVICE

Eatontown Food Co-Op, Member, Eatontown, NJ, 2008 – 2010

LeTip of Eatontown, Founder and President, Eatontown, NJ, 2006 – 2009

Eatontown Lions Club, Member, Eatontown, NJ, 2006 – 2010

LeTip of Manasquan, Founder and President, Manasquan, NJ, 2002 – 2006