EDUCATION

New York College of Chiropractic, Doctor of Chiropractic, December 1996
William Paterson College, Biology, June 1992

PROFESSIONAL EXPERIENCE

Westbury Physical Therapy & Chiropractic, Westbury, N.Y April 2018-Present
Advanced Multi-Medicine & Rehabilitation, Westbury, NY November 2002 – April 2018
Long Island Multi-Medicine Group, Westbury, NY September 1998 – October 2002

PROFESSIONAL LICENSE

New York State License, January 1997
New Jersey State License, September 1997

PROFESSIONAL DEVELOPMENT

Spinal Biomechanical;Engineering,Analysis, Understanding spinal motor units as it relates to the Cartesian system and normal vs. pathological movement. Analyzing normal coupling functions of the spine in relations to gait and pelvic biomechanical function and determining stress units and standards of deviation of segmental dysfunction. Interpreting mensuration lines and block analysis beyond standards of deviation in spinal motor dysfunction about connective tissue failure. Cleveland University Kansas City, Chiropractic and Health Sciences, New York State Department of Education, Academy of Chiropractic Post-Doctoral Division, Long Island , NY, 2018

Spinal Biomechanical Engineering Pathology and Clinical Application, Integrating pathological function based upon the Cartesian system and digital mensuration in developing treatment plans with diagnosed connective tissue failures. Diagnosing corrective vs. clinical management scenarios when considering maximum medical improvement in both the chronic and acute, insidious and traumatically induced patient. Cleveland University Kansas City, Chiropractic and Health Sciences, New York State Department of Education, Academy of Chiropractic Post-Doctoral Division, Long Island, NY, 2018

T*riaging complicated disc and neurological cases including early stroke detection* with guest panellists ; Robert Peyster MD, Neuroradiology, Magdy Shady MD, Neurosurgery, Neuro Trauma Fellow, Masters in Lumbar Spine Pathology, Candace Perkins MD, Neurology, Vascular Neurology, October 2018

Pathology, History Documenting Trauma and Non-Trauma Cass and Triaging Disc, past history, risk factors and review of systems in developing a differential diagnosis. The utilization of spinal MRI in concluding and accurate diagnosis, prognosis and treatment plan for disc pathology, Academy of Chiropractic, PACE Approved for the Federation of Chiropractic Licensing Boards, Cleveland University, Kansas City Chiropractic and Health Sciences, 2018

Effect of Electrical Stimulation of Peripheral Nerves on Neuropathic Pain, Study describes changes in the electrophysiological response of spinal dorsal horn neurons elicited by electrical peripheral nerve stimulation, and investigates whether the electrical stimulation of peripheral nerves causes an inhibition of pain at the spinal cord level. Electrical stimulation of peripheral nerves for chronic back pain, radicular pain, entrapment neuropathy, peripheral nerve injury and spinal injuries.
Instructor: Paul D. Powers, DC, DABCN, Wallingford, CT, 2018

Primary Spine Care – Central Nervous System Processing of Pain and Physiology, Central neural pathways of pain and higher cortical responses to pain and the effect of high amplitude-low velocity forces on mechanoreceptors and proprioceptors. The effects of neuropeptides on the hypothalamus, pituitary and adrenal axis when treating patients. Texas Chiropractic College, Academy of Chiropractic, Academy of Chiropractic, Recognized by the PACE Program of the Federation of Chiropractic Licensing Boards, Melville NY, 2016

Primary Spine Care – MRI, Bone Edema and Degeneration, The effects of trauma on spinal vertebral segments and the short and long term sequella to morphology. Identifying and diagnosing bone edema, spurring, types of degeneration in assessing biomechanical stability in conjunction with Modic Pfeiffer changes Texas Chiropractic College, Academy of Chiropractic, Academy of Chiropractic, Recognized by the PACE Program of the Federation of Chiropractic Licensing Boards, Melville NY, 2016

Primary Spine Care – Hospital and Emergency Room Care, Identifying spinal lesions inclusive of cord and root lesion through examination and advanced imaging in creating an accurate diagnosis, prognosis and treatment plan to effectively triage in collaboration and coordination with medical specialists and emergency department physicians. Differentially diagnosing and triaging disc degenerative bulges, traumatic disc bulges, protrusion herniation's, extrusion herniation's and fragmented herniation's along with managing traumatically induced pain as sequella to degenerative disc trauma, Texas Chiropractic College, Academy of Chiropractic, Academy of Chiropractic, Recognized by the PACE Program of the Federation of Chiropractic Licensing Boards, Melville NY, 2016

IME & Peer Review Documentation and Rebuttals, Medical-legal documentation requirements and the utilization evidence-based findings in rebutting third party reporting when clinically indicated. The utilization of state regulations and legislation to ensure compliance in third party reporting. Management of all diagnostic testing and treatment protocols inclusive of functional losses in documentation. **Academy of Chiropractic Post-Doctoral Division, Recognized by the PACE Program of the Federation of Chiropractic Licensing Boards, Long Island, NY, 2016**

Utilization of Research in the Clinical setting, Utilizing peer reviewed scientific literature in creating a diagnosis, prognosis and treatment plan for the chronic and acute patient. How to implement and stay current on techniques and technology in healthcare. Academy of Chiropractic Post-Doctoral Division, Long Island, NY, 2016

Manipulation Under-Anesthesia, Gordon MUA covers the history, evidence based scientific basis; evidence based documentation, practical use of MUA. 4 days of instruction in a ambulatory surgical center and proctoring allow candidates eligible for hospital or ambulatory surgical staff privileges. Instructor Dr. Robert Gordon, D.C., FABCS, FRCCM, DAAPM.

Course objectives, Analysis of the scientific literature regarding MUA, Guidelines for completing an appropriate History and Physical (H & P), Evidenced-based documentation and record keeping, MUA Technique Workshop Performing MUA procedures in the surgical environment, Neuropharmacology agents commonly utilized for MUA procedures. Risk Management & Documentation Performing MUA procedures in the surgical environment. Post Doctoral Division, New York Chiropractic Council, New York State Department of Education Board for Chiropractic, Long Island 2011.

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

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

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

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

Neurodiagnostic Testing Protocols, Physiology and Indications for the Trauma Patient, Electromyography

(EMG), Nerve Conduction Velocity (NCV), Somato Sensory Evoked Potential (SSEP), Visual Evoked Potential (VEP), Brain Stem Auditory Evoked Potential (BAER) and Visual-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, 2010

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

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

Credentials and Clinically Correlating Causality, The significance documentation and credentials in the personal injury field with a focus on clinically correlating causality, bodily injury and persistent functional loss as sequellae. Academy of Chiropractic Post Doctoral Division, New York Chiropractic Council, New York State Department of Education, Board for Chiropractic, Long Island, NY, 2011

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, NY, 2010

MRI Spinal Anatomy and Protocols, Normal anatomy of axial and sagittal views utilizing T1, T2, 3D gradient and STIR sequences of imaging. Standardized and desired protocols in views and sequencing of MRI examination to create an accurate diagnosis in MRI. CMCS Post Doctoral Division, New York Chiropractic Council, New York State Department of Education, Board for Chiropractic, Robert Peyster MD, Neuroradiology, Long Island, NY, 2010

MRI Disc Pathology and Spinal Stenosis, MRI interpretation of bulged, herniated, protruded, extruded, sequestered and fragmented disc pathologies in etiologic 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, Neuroradiology, Long Island, NY, 2010

MRI Spinal Pathology, MRI interpretation of bone, intradural, extradural, cord and neural sleeve lesions. Tuberculosis, drop lesions, metastasis, ependymoma, schwanoma 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, Neuroradiology, Long Island, NY, 2010

MRI Methodology of Analysis, MRI interpretation sequencing of the cervical, thoracic and lumbar spine inclusive of T1, T2, STIR and 3D gradient studies to ensure the accurate

diagnosis of the region visualized. CMCS Post Doctoral Division, New York Chiropractic Council, New York State Department of Education, Board for Chiropractic, Robert Peyster MD, Neuroradiology, Long Island, NY, 2010

MRI Clinical Application, The clinical application of the results of space occupying lesions. Disc and tumor pathologies and the clinical indications of manual and adjustive therapies in the patient with spinal nerve root and spinal cord insult as sequelae. CMCS Post Doctoral Division, New York Chiropractic Council, New York State Department of Education, Board for Chiropractic, Magdy Shady MD, Neurosurgeon, Long Island, NY, 2010

Nerve Conductions and Needle EMG / The training includes technical demonstrations, nerve conductions and needle EMG videos, and intensive hands-on practice of upper and lower extremity nerve conduction studies and EMG needle examination. Nerve Conduction Studies: Principles and Practice Upper Extremity Nerve Conductions: Anatomy & Pathology –Median Nerve, Ulnar Nerve, Radial Nerve Upper extremity Nerve Conductions hands-on: Median nerve sensory and motor studies, Ulnar nerve sensory and motor studies,Radial nerve sensory studies, F-Wave Upper extremity Nerve Conductions hands-on: Median nerve sensory and motor studies, Ulnar nerve sensory and motor studies, Radial nerve sensory studies, F-Wave Lower Extremity Nerve Conductions: Anatomy & Pathology –Peroneal nerve sensory and motor, Sural nerve, Tibial nerve, F-Wave and H-Reflex Lower extremity Nerve Conductions hands-on: Sural Nerve studies, Peroneal Motor Nerve studies, Posterior Tibial Motor Nerve studies, F-Wave and H-Reflex Lower extremity Nerve Conductions hands-on: Sural Nerve studies, Peroneal Motor Nerve studies, Posterior Tibial Motor Nerve studies, F-Wave and H-Reflex Needle EMG exam: Principles and Practice ,Upper

Upper extremity Needle Exam hands-on: Needle EMG Exam of the upper extremity and cervical paraspinals Exam of the upper extremity and cervical paraspinals Extremity Muscle Anatomy Review Lower extremity Needle Exam hands-on: Needle EMG Exam lower extremity and lumbo-sacral paraspinals Lower extremity Needle Exam: Needle EMG Exam of the lower extremity and lumbo-sacral paraspinals , Course Director: Joe F. Jabre, M.D. Board Certified Neurologist , Ft. Lauderdale , Florida . April 2012

Evidenced Based Case Management of the Patient with Cervicogenic Vertigo; New York Chiropractic College, Department of Postgraduate and Continuing Education, New York Chiropractic Council, New York State Department of Education, Seneca Falls, N.Y. 2011

Avoiding the Moral Morass - making good ethical Decisions offsite, clinical coaching conference Workshop. New York Chiropractic College, Department of Postgraduate and Continuing Education, New York Chiropractic Council, New York State Department of Education, Long Island, N.Y. 2008

Documentation, Standards & Guidelines.
New York Chiropractic College, Department of Postgraduate and Continuing Education, New York Chiropractic Council, New York State Department of Education, Long Island, N.Y. 2007

Electro diagnosis & Clinical Correlation,
New York Chiropractic College, Department of Postgraduate and Continuing Education,

Seneca Falls, New York Chiropractic Council,
New York State Department of Education, N.Y. 2007

Integrative Healthcare an Emerging Model,
New York Chiropractic College, Department
of Postgraduate and Continuing Education,
New York Chiropractic Council, New York State
Department of Education, Seneca Falls, N.Y. 2007

Certified Chiropractic Sports Physician,
Emergency Medical Procedures; New York
Chiropractic College, Department of Postgraduate
and Continuing Education, New York Chiropractic
Council, New York State; Department of Education,
Long Island, N.Y. 2007

A.M.A Medical Impairment Examination and
Credible Medical Fact Finding, Masters
Certification, Department of Postgraduate
Medical Legal Consultants Association;
Clearwater, FL. 1997

SOT Seminar, Basic postural analysis
CBP Seminar, Posture analysis and correction
CMRT Seminar, Organ reflex work
Activator Methods, Elective class
COX Flexion Distraction Protocol/Procedures
Manipulation Under-Anesthesia Protocol/Procedures

Technique Practiced - Gonstead, Thompson, Diversified,
Activator, Toggle, Infant/Children, Medication Assisted
Manipulation, Manipulation Under-Anesthesia

PROFESSIONAL AFFILIATIONS

American Chiropractic Association
New York State Chiropractic Association
Hospital Affiliation Melville Surgical Center
Hospital Affiliation Suffolk Surgical Center
Hospital Affiliation All City Surgical Center
Hospital Affiliation North Shore Surgical Center

REFERENCES AVAILABLE UPON REQUEST