

## **CURRICULUM VITAE**

**Richard A. Snow D.C., DABCA, FASA**  
**CHIROPRACTOR**

Choice of Health, P.A.  
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913-814-0022

### **Education:**

Doctorate of Chiropractic  
Bachelor of Arts

Cleveland Chiropractic College, Kansas City, MO. 2003  
Ottawa University

### **Licenses and Certifications:**

#### **Fellowship Acupuncture Society of America F.A.S.A.**

Learning 3 levels of treatment: pain control, formula, and traditional acupuncture. 12 main meridians: Lung, Large Intestine, Stomach, Spleen, Heart, Small Intestine, Bladder, Kidney, Circulation Sex, Triple Warmer, Gall Bladder, Liver. 2 Extra vessels; Conception Vessel, Governing Vessel. 12 kinds of points; tonification, sedation, source, alarm, associated, connecting, entry, exit, accumulation, Horary, antique, and intersection. Methods for stimulation: Japanese needles, Chinese needles, electrical stimulation, teishin, finger pressure, heat, cold, moxibustion, laser, Qi Gong, cupping, stapling. 1997

#### **Diplomate Certification and Advanced Acupuncture Techniques**

The premise of Acupuncture. Introduction into microsystems: Auriculo-therapy, Face, Scalp, Hand therapy. Five element theory, Eight extraordinary points and their use and Ghost points. Commonly used points. Advanced needling techniques. Use of the Eight confluent points. Discussion and workshop on acupuncture points for structural correction, sprain/strain, fibromyalgia, joint disorders, traumatic arthritis, gout, whiplash, TMJ, and rib subluxation. Diagnosis and treatment by Akabane points. Graphing, graph interpretation, and preparing an effective treatment plan. Forbidden point review. Intra-Dermal needling. The use of Scalp Acupuncture, 12 Divergent Channels, 15 Connecting Channels, Summary of research concerning channels and points. Eight miscellaneous channels. Thermal Reflex areas to diagnose excess or deficiency. 2000.

#### **National Board of Chiropractic Examiners Acupuncture Examination**

National Board examination, 2011.

#### **Diplomate American Board of Chiropractic Acupuncture DABCA**

Diplomate ACA Council of Chiropractic Acupuncture. Currently the highest level of testing in the Chiropractic profession. The only national recognized credential by major health insurance companies, 2011.

#### **Trauma Team Member of the Academy of Chiropractic 2018**

January 2004  
February 2004  
2003  
  
2003

Kansas State Board of Healing Arts  
Missouri State Board of Chiropractic Examiners  
The National Board of Chiropractic Examiners  
Part 1,2,3, and 4.  
The National Board of Chiropractic Examiners  
Physiotherapy

### **Post Graduate Education:**

#### **ACA Acupuncture Symposium**

*I Ching Acupuncture & Master Tung Extraordinary Acupuncture. Integration of the correspondence in meridian, time of the opposite channel, meridian clock, Shu points, Master Tung's Extraordinary points, 8 confluent points, Zang Fu connection, external meridian channel, and internal meridian channel. American Chiropractic Association, Council of Chiropractic Acupuncture, Painesville, OH. 2020.*

#### **Primary Spine Care 8-Trends in Spinal Treatment**

*Migration of spinal care for mechanical spine issues from hospitals and medical specialists to trauma qualified chiropractors based upon published outcomes.*

*Utilizing imaging studies in spinal biomechanics, pain models and clinical outcomes to determine a conclusive diagnosis, prognosis and treatment plan for triaging in a collaborative environment. Cleveland University Kansas City, Chiropractic and Health Sciences, Academy of Chiropractic Post-Doctoral Division, Long Island, NY, 2019.*

#### **Primary Spine Care 8-Neurology of Spinal Biomechanics**

*Understanding the normal of spinal biomechanics and the neurotransmitters required for homeostasis. The interconnected role of Pacinian Corpuscles, Ruffini Corpuscles, Golgi Organ Receptors, Nociceptors, Proprioceptors and Mechanoreceptors in maintaining sagittal and axial alignment in the presence of mechanical pathology. Cleveland University Kansas City, Chiropractic and Health Sciences, Academy of Chiropractic Post-Doctoral Division, Long Island, NY, 2019.*

#### **Primary Spine Care 8-MRI Age-Dating of Herniated Discs**

*The literature, academic and clinical standards to age-date herniated discs. The clinical correlation the pain patters with advanced imaging findings of bone edema, spurs based upon the Piezoelectric effect of remodeling, high signal on T2 weighted images, Vacuum Discs and disc heights in determining the time frames of the etiology of the spinal disc pathology. Cleveland University Kansas City, Chiropractic and Health Sciences, Academy of Chiropractic Post-Doctoral Division, Long Island, NY, 2019.*

**Primary Spine Care 8-Creating Ethical Collaborative and Medical-Legal Relationships**

*Understanding the timely triage necessities based upon clinical and imaging outcomes and the documentation required for collaborative physicians to continue care.*

*Ensuring that the documentation is complete, reflective of services rendered and clear for third party consideration in an admissible format to be considered in a medical-legal environment.*

Cleveland University Kansas City, Chiropractic and Health Sciences, Academy of Chiropractic Post-Doctoral Division, Long Island, NY, 2019.

**Primary Spine Care 8-Central Innervation of Spinal Biomechanical Engineering**

*Understanding the lateral and ventral horn's innovations of Pacinian Corpuscles, Ruffini Corpuscles, Golgi Organ Receptors, Nociceptors, Proprioceptors and Mechanoreceptors and the pathways through the spinal thalamic tracts through the periaqueductal region, the Thalamus into the Occipital, pre-frontal, sensory and motor cortexes and the efferently back through the Thalamus to disparate regions in creating spinal homeostasis, Pacinian Corpuscles, Ruffini Corpuscles, Golgi Organ Receptors, Nociceptors, Proprioceptors and Mechanoreceptors.* Cleveland University Kansas City, Chiropractic and Health Sciences, Academy of Chiropractic Post-Doctoral Division, Long Island, NY, 2019.

**Primary Spine Care 8-Identifying Spinal Pathology of MRI**

*Utilizing T1, T2, STIR and Gradient studies in determining myelomalacia, intra and extra-dural tumors and systemic disease patterns affecting the spinal cord. When to use contrast post-operatively in identifying discal structures vs. adhesions on postoperative advanced imaging. MRI Interpretation of herniated, circumferential bulges, focal bulges, protruded, extruded, comminuted, sequestered and fragmented discs. When to consider a neurosurgical consultation based upon the correlation of imaging and clinical findings.* Cleveland University Kansas City, Chiropractic and Health Sciences, Academy of Chiropractic Post-Doctoral Division, Long Island, NY, 2019.

**Medical-Legal Ethical Relationships, Documentation and Legal Testimony**

*Report writing for legal cases, the 4 corners of a narrative and documenting damages with understanding defense medical documentation and consistent reporting of bodily injuries,* Academy of Chiropractic, Post-Doctoral Division, Cleveland University-Kansas City, College of Chiropractic, Long Island, NY, 2018.

**Medical-Legal Ethical Relationships, Documentation and Legal Testimony, Part 2**

*Understanding report writing and the types of medical reports required for court inclusive of diagnosis, prognosis and treatment plans with requirements of reporting causality and permanency,* Academy of Chiropractic, Post-Doctoral Division, Cleveland University-Kansas City, College of Chiropractic, Long Island, NY, 2018.

### **Medical-Legal Ethical Relationships, Documentation and Direct Testimony**

*Organizing your documentation and understanding all collaborative documentation and how it fits into your diagnosis, prognosis and treatment plan, Understanding the nuances of the functional losses of your patients related to their bodily injuries, Academy of Chiropractic, Post-Doctoral Division, Cleveland University-Kansas City, College of Chiropractic, Long Island, NY, 2018.*

### **Medical-Legal Ethical Relationships, Documentation and Direct Testimony Part 2**

*Utilizing demonstrative documentation in direct examination and communicating the results of your care concurrently with the written documentation and reporting an accurate diagnosis for all images, Academy of Chiropractic, Post-Doctoral Division, Cleveland University-Kansas City, College of Chiropractic, Long Island, NY, 2018.*

### **Medical-Legal Ethical Relationships, Documentation and Direct Testimony Part 3**

*The evaluation, interpretation and reporting of collaborative medical specialists results and concluding an accurate diagnosis inclusive of all findings and reviewing all images to ensure an accurate diagnosis, Academy of Chiropractic, Post-Doctoral Division, Cleveland University-Kansas City, College of Chiropractic, Long Island, NY, 2018.*

### **Medical-Legal Ethical Relationships, Documentation and Direct Testimony Part 4**

*Determining and documenting disabilities and impairments inclusive of loss of enjoyment of life and duties under duress and the evaluation and validation of pain and suffering, Academy of Chiropractic, Post-Doctoral Division, Cleveland University-Kansas City, College of Chiropractic, Long Island, NY, 2018.*

### **Medical-Legal Ethical Relationships, Documentation and Cross Examination Testimony**

*Reporting your documentation factually and staying within the 4 corners of your medical report and scope of practice inclusive of understanding how your credentials allow you to report your documentation, Academy of Chiropractic, Post-Doctoral Division, Cleveland University-Kansas City, College of Chiropractic, Long Island, NY, 2018.*

### **Medical-Legal Ethical Relationships, A Documentation Relationship Between the Doctor and Lawyer**

*The level of organization required in a medical-legal case that accurately reflects the bodily injuries of your patients and the time constraints in rendering an accurate report, Academy of Chiropractic, Post-Doctoral Division, Cleveland University-Kansas City, College of Chiropractic, Long Island, NY, 2018.*

### **Medical-Legal Ethical Relationships, Report Writing and Preparing for a Legal Case**

*Reviewing the facts of the case inclusive of your documentation, the defense medical examiner, medical specialists and the attorney to ensure accurate and consistent reporting, Academy of Chiropractic, Post-Doctoral Division, Cleveland University-Kansas City, College of Chiropractic, Long Island, NY, 2018.*

### **Medical-Legal Ethical Relationships, Report Writing and Preparing for a Legal Case**

*Creating demonstrative evidence, visuals of your patient's bodily injuries inclusive of x-rays, MRI's, CAT Scans and electrodiagnostic findings, the spinal biomechanics of herniated disc with ipsilateral findings and contralateral symptomatology, Academy of Chiropractic, Post-Doctoral Division, Cleveland University-Kansas City, College of Chiropractic, Long Island, NY, 2018.*

### **Primary Spine Care Qualified**

*This qualification includes graduate chiropractic education in healthy and traumatically altered spinal morphology inclusive of osseous, connective tissue and neurological structure, function and pathology. This certifies you are qualified in assessing predictive models in spinal biomechanics and devising engineering paradigms for treatment plans to maximize spinal homeostasis in an evidenced based conclusion. In addition, this qualification acknowledges your expertise in triaging the injured and coordinating collaborative care from the trauma through conclusion of rehabilitation, Academy of Chiropractic Post-Doctoral Division, Cleveland University-Kansas City, College of Chiropractic, Long Island NY, 2018.*

### **Neuroradiology Mini-Fellowship**

*MRI Spine Interpretation, Robert Peyster MD, Neuroradiologist, Professor of Radiology and Neurology, Chief Division of Neuroradiology, State University of New York at Stony Brook, School of Medicine, PACE Recognized by The Federation of Chiropractic Licensing Boards, Stony Brook NY, 2018..*

### **Primary Spine Care 1 - Credentials and Knowledge Base**

*The credentials and knowledge based from an academia perspective when cooperatively treating in a collaborative environment inclusive of understanding pathology and mechanical spine issues. Cleveland University Kansas City, Chiropractic and Health Sciences, PACE Recognized by The Federation of Chiropractic Licensing Boards,, Academy of Chiropractic Post - Doctoral Division, Setauket, NY, 2018.*

### **Primary Spine Care 1- Spinal Biomechanical Engineering and MRI Spine Interpretation**

*Integrating Spinal Biomechanical Engineering and MRI Spine Interpretation into a primary spine care model, inclusive of necessity and acquisition protocols. A comprehensive review the latest evidence in documenting mechanical issues. Cleveland University Kansas City, Chiropractic and Health Sciences, PACE Recognized by The Federation of Chiropractic Licensing Boards,, Academy of Chiropractic Post -Doctoral Division, Setauket, NY, 2018.*

### **Primary Spine Care 1- Hospital Administration, Triage, Clinical Requirements and Collaborative Relationships with Medical Specialists**

*Understanding hospital and medical specialist's care paths for mechanical spine pathology and integrating the doctor of chiropractic in the hospital and allopathic treatment protocol., Cleveland University Kansas City, Chiropractic and Health Sciences, PACE Recognized by The Federation of Chiropractic Licensing Boards,, Academy of Chiropractic Post -Doctoral Division, Setauket, NY, 2018.*

### **Primary Spine Care 1- Contemporary Spine Research and Documentation**

*Central nervous system connection and the thalamus, hypothalamus connection in both ascending and descending central pathways with neuro-endocrine implications that have the mechanisms to be a component of Schizophrenia, Dementia and Alzheimer's with a linear relationship to the chiropractic spinal adjustment and chronic pain.* Cleveland University Kansas City, Chiropractic and Health Sciences, PACE Recognized by The Federation of Chiropractic Licensing Boards,, Academy of Chiropractic Post -Doctoral Division, Setauket, NY, 2018.

### **Primary Spine Care 2: Spinal Trauma Pathology**

*Morphology of healthy and traumatized connective tissue and the permanency implication of adhesions, spinal disc morphology in the healthy and pathological patient as sequella to trauma in relationship to bulges, herniations, protrusions, extrusions and sequestrations. Aberrant spinal biomechanics and negative sequella to trauma.* Cleveland University Kansas City, Chiropractic and Health Sciences, PACE Recognized by The Federation of Chiropractic Licensing Boards,, Academy of Chiropractic Post -Doctoral Division, Setauket, NY, 2018.

### **Primary Spine Care 2: Utilizing Research in Trauma**

*The ability of your electronic health records to convey tissue pathology while documenting case studies, field experiments, randomized trials and systematic literature reviews, Introducing evidence based macros in documentation to support the literature and necessity of care.* Cleveland University Kansas City, Chiropractic and Health Sciences, PACE Recognized by The Federation of Chiropractic Licensing Boards,, Academy of Chiropractic Post -Doctoral Division Setauket, , NY, 2018.

### **Primary Spine Care 2: Chiropractic Evidence**

*Analyzing segmental pathology, adjusting vs. mobilization with cervicogenic headaches, Opioid alternatives and case management of mechanical spine pain based upon outcome studies.* Cleveland University Kansas City, Chiropractic and Health Sciences, PACE Recognized by The Federation of Chiropractic Licensing Boards,, Academy of Chiropractic Post -Doctoral Division, Setauket, NY, 2018.

### **Primary Spine Care 2: Chiropractic Spinal Adjustment Central Nervous System Processing**

*Literature reviews of mechanoreceptor, proprioceptor and nociceptor stimulation of later horn gray matter with periaqueductal stimulation affecting the thalamus and cortical regions with efferent distribution in disparate regions of the body in both pain and systemic stimulation.* Cleveland University Kansas City, Chiropractic and Health Sciences, PACE Recognized by The Federation of Chiropractic Licensing Boards,, Academy of Chiropractic Post -Doctoral Division, Setauket, NY, 2018

**Primary Spine Care Symposium 3 – Interprofessional Spine Care, Clinical Analysis of Anatomic versus Biomechanical Spine Pain and Clinical Triage Protocols**

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

**Primary Spine Care Symposium 3 – Epidemiology of Spine Pain**

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

**Primary Spine Care Symposium 3- Connective Tissue and Spinal Disc Pathology**

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

**Primary Spine Care Symposium 3- Physiology and Anatomy of Spinal Manual Adjusting**

*Understanding the role of mechanoreceptors, proprioceptors and nociceptors with facets, ligaments, tendons and muscles in aberrant spinal biomechanics. MRI and imaging studies of decompressing via a chiropractic spinal adjustment of the bio-neuro-mechanical lesion and its effects on the central nervous system both reflexively and supratentorially. Texas Chiropractic College Post-Doctoral Division, Academy of Chiropractic Post-Doctoral Division, Melville NY 2017*

**Primary Spine Care Symposium 3- Medical-Legal Documentation**

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

**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. Texas Chiropractic College or PACE Recognized by The Federation of Chiropractic Licensing Boards, Academy of Chiropractic Post -Doctoral Division, Long Island, NY, 2017*

### **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. Texas Chiropractic College or PACE Recognized by The Federation of Chiropractic Licensing Boards, Academy of Chiropractic Post -Doctoral Division, Long Island, NY, 2017*

### **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. Texas Chiropractic College or PACE Recognized by The Federation of Chiropractic Licensing Boards, Academy of Chiropractic Post -Doctoral Division, Long Island, NY, 2017*

### **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. Certification in MRI, Bone Scan and X-Ray Protocols, Physiology and Indications for the Trauma Patient. Texas Chiropractic College or PACE Recognized by The Federation of Chiropractic Licensing Boards, Academy of Chiropractic Post -Doctoral Division, Long Island, NY, 2017*

### **Neurodiagnostics Testing: EMG/NCV, VEP, BAER, V-ENG and SSEP**

*Clinical Indications and Interpretation, 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. Certification in Neurodiagnostics Testing: EMG/NCV, VEP, BAER, V-ENG and SSEP, Clinical Indications and Interpretation. Texas Chiropractic College or PACE Recognized by The Federation of Chiropractic Licensing Boards, Academy of Chiropractic Post -Doctoral Division, Long Island, NY, 2017*

### **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. Certification in Documentation and Reporting for the Trauma Victim. Texas Chiropractic College or PACE Recognized by The Federation of Chiropractic Licensing Boards, Academy of Chiropractic Post -Doctoral Division, Long Island, NY, 2017*



### **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. Certification in Documenting Clinically Correlated Bodily Injury to Causality. Texas Chiropractic College or PACE Recognized by The Federation of Chiropractic Licensing Boards, Academy of Chiropractic Post -Doctoral Division, Long Island, NY, 2017*

### **MRI History and Physics, 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. Texas Chiropractic College or PACE Recognized by The Federation of Chiropractic Licensing Boards, ACCME Joint Providership with the State University of New York at Buffalo Jacobs School of Medicine and Biomedical Sciences, Academy of Chiropractic Post-Doctoral Division, Buffalo, Buffalo, NY, 2017*

### **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. Texas Chiropractic College or PACE Recognized by The Federation of Chiropractic Licensing Boards, ACCME Joint Providership with the State University of New York at Buffalo Jacobs School of Medicine and Biomedical Sciences, Academy of Chiropractic Post-Doctoral Division, Buffalo, NY, 2017*

### **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. Texas Chiropractic College or PACE Recognized by The Federation of Chiropractic Licensing Boards, ACCME Joint Providership with the State University of New York at Buffalo Jacobs School of Medicine and Biomedical Sciences, Academy of Chiropractic Post-Doctoral Division, Buffalo, NY, 2017*

### **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. Texas Chiropractic College or PACE Recognized by The Federation of Chiropractic Licensing Boards, ACCME Joint Providership with the State University of New York at Buffalo Jacobs School of Medicine and Biomedical Sciences, Academy of Chiropractic Post-Doctoral Division, Buffalo, NY, 2017*

### **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. Texas Chiropractic College or PACE Recognized by The Federation of Chiropractic Licensing Boards, New York Chiropractic Council, ACCME Joint Providership with the State University of New York at Buffalo Jacobs School of Medicine and Biomedical Sciences, Academy of Chiropractic Post-Doctoral Division, Buffalo, NY, 2017*

### **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.* Texas Chiropractic College or PACE Recognized by The Federation of Chiropractic Licensing Boards, ACCME Joint Providership with the State University of New York at Buffalo Jacobs School of Medicine and Biomedical Sciences, Academy of Chiropractic Post-Doctoral Division, Buffalo, Buffalo, NY, 2017

### **MRI Disc Overview & Imaging Protocols**

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

### **MRI Interpretation of Lumbar Bulges/Degenerative Disc Disease**

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

### **MRI Interpretation of Lumbar Herniated Discs**

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

### **MRI Interpretation of Cervical Bulges/Degenerative Disc Disease**

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

### **MRI Interpretation of Cervical Herniated Discs**

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

### **Virtual Grand Rounds**

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

### **Spinal Biomechanical Engineering: Cartesian System**

*The Cartesian Coordinate System from the history to the application in the human body. Explanation of the x, y and z axes in both translation and rotations (thetas) and how they are applicable to human biomechanics.* Diplomate, Academy of Chiropractic Post -Doctoral Division, Texas Chiropractic College or PACE Recognized by The Federation of Chiropractic Licensing Boards, ACCME Joint Providership with the State University of New York at Buffalo Jacobs School of Medicine and Biomedical Sciences, Academy of Chiropractic Post-Doctoral Division, Buffalo, NY, 2017, Buffalo, NY, 2017

### **Spinal Biomechanical Engineering: Cervical Pathobiomechanics**

*Spinal biomechanical engineering of the cervical and upper thoracic spine. This includes the normal and pathobiomechanical movement of both the anterior and posterior motor units and normal function and relationship of the intrinsic musculature to those motor units. Nomenclature in reporting normal and pathobiomechanical findings of the spine.* Diplomate, Academy of Chiropractic Post -Doctoral Division, Texas Chiropractic College or PACE Recognized by The Federation of Chiropractic Licensing Boards, ACCME Joint Providership with the State University of New York at Buffalo Jacobs School of Medicine and Biomedical Sciences, Academy of Chiropractic Post-Doctoral Division, Buffalo, NY, 2017, Buffalo, NY, 2017

### **Spinal Biomechanical Engineering: Lumbar Pathobiomechanics**

*Spinal biomechanical engineering of the lumbar spine. This includes the normal and pathobiomechanical movement of both the anterior and posterior motor units and normal function and relationship of the intrinsic musculature to those motor units. Nomenclature in reporting normal and pathobiomechanical findings of the spine.* Diplomate, Academy of Chiropractic Post -Doctoral Division, ACCME Joint Providership with the State University of New York at Buffalo Jacobs School of Medicine and Biomedical Sciences, Academy of Chiropractic Post-Doctoral Division, Buffalo, NY, 2017, Buffalo, NY, 2017

### **Spinal Biomechanics in Trauma**

*To utilize whiplash associated disorders in various vectors of impact and whiplash mechanisms in determining pathobiomechanics. To clinically correlate annular tears, disc herniations, fractures, ligament pathology and spinal segmental instability as sequellae to pathobiomechanics from trauma. The utilization of digital motion x-ray in diagnosing normal versus abnormal facet motion along with case studies to understand the clinical application.* Diplomate, Academy of Chiropractic Post -Doctoral Division, ACCME Joint Providership with the State University of New York at Buffalo Jacobs School of Medicine and Biomedical Sciences, Academy of Chiropractic Post-Doctoral Division, Buffalo, NY, 2017, Buffalo, NY, 2017

### **Spinal Biomechanical Engineering & Organizational Analysis**

*Integrating spinal biomechanics and pathobiomechanics through digitized analysis. The comparison of organized versus disorganized compensation with regional and global compensation. Correlation of the vestibular, ocular and proprioceptive neurological integration in the righting reflex as evidenced in imaging. Digital and numerical algorithm in analyzing a spine.* Diplomate, Academy of Chiropractic Post -Doctoral Division, ACCME Joint Providership with the State University of New York at Buffalo Jacobs School of Medicine and Biomedical Sciences, Academy of Chiropractic Post-Doctoral Division, Buffalo, NY, 2017, Buffalo, NY, 2017

### **Spinal Biomechanical Engineering: Cervical Digital Analysis**

*Digitizing and analyzing the cervical spine in neutral, flexion and extension views to diagnose pathobiomechanics. This includes alteration of motion segment integrity (AMOSI) in both angular and translational movement. Ligament instability/failure/pathology are identified all using numerical values and models. Review of case studies to analyze pathobiomechanics using a computerized/numerical algorithm.* Diplomate, Academy of Chiropractic Post -Doctoral Division, ACCME Joint Providership with the State University of New York at Buffalo Jacobs School of Medicine and Biomedical Sciences, Academy of Chiropractic Post-Doctoral Division, Buffalo, NY, 2017.

### **Spinal Biomechanical Engineering: Lumbar Digital Analysis**

*Digitalizing and analyzing the lumbar spine images to diagnose pathobiomechanics. This includes anterior and posterior vertebral body elements in rotational analysis with neutral, left and right lateral bending in conjunction with gate analysis. Ligament instability/failure/pathology is identified all using numerical values and models. Review of case studies for analysis of pathobiomechanics using a computerized/numerical algorithm along with corrective guidelines.* Diplomate, Academy of Chiropractic Post -Doctoral Division, ACCME Joint Providership with the State University of New York at Buffalo Jacobs School of Medicine and Biomedical Sciences, Academy of Chiropractic Post-Doctoral Division, Buffalo, NY, 2017, Buffalo, NY, 2017

### **Spinal Biomechanical Engineering: Full Spine Digital Analysis**

*Digitalizing and analyzing the full spine images to diagnose pathobiomechanics as sequellae to trauma in relation to ligamentous failure and disc and vertebral pathology as sequellae. This includes anterior and posterior vertebral body elements in rotational analysis with neutral, left and right lateral bending in conjunction with gate analysis. Ligament instability/failure/pathology is identified all using numerical values and models. Review of case studies for analysis of pathobiomechanics using a computerized/numerical algorithm along with corrective guidelines.* Diplomate, Academy of Chiropractic Post -Doctoral Division, ACCME Joint Providership with the State University of New York at Buffalo Jacobs School of Medicine and Biomedical Sciences, Academy of Chiropractic Post-Doctoral Division, Buffalo, NY, 2017

### **Spinal Trauma Pathology, Triage and Connective Tissue Injuries and Wound Repair**

*Triaging the injured and differentially diagnosing both the primary and secondary complaints. Connective tissue injuries and wound repair morphology focusing on the aberrant tissue replacement and permanency prognosis potential.* Diplomate, Academy of Chiropractic Post -Doctoral Division, Texas Chiropractic College or PACE Recognized by The Federation of Chiropractic Licensing Boards, Buffalo, NY, 2017

### **Spinal Trauma Pathology: Ligament Anatomy and Injury Research and Spinal Kinematics**

*Spinal ligamentous anatomy and research focusing on wound repair, future negative sequelae of abnormal tissue replacement and the resultant aberrant kinematics and spinal biomechanics of the spine.* Diplomate, Academy of Chiropractic Post -Doctoral Division, Texas Chiropractic College or PACE Recognized by The Federation of Chiropractic Licensing Boards, ACCME Joint Providership with the State University of New York at Buffalo Jacobs School of Medicine and Biomedical Sciences, Academy of Chiropractic Post-Doctoral Division, Buffalo, NY, 2017, Buffalo, NY, 2017.

### **Spinal Trauma Pathology: Spinal Biomechanics, Central Nervous System and Spinal Disc Nomenclature**

*The application of spinal biomechanical engineering models in trauma and the negative sequelae it has on the central nervous system inclusive of the lateral horn, periaqueductal gray matter, thalamus and cortices involvement.* Diplomate, Academy of Chiropractic Post -Doctoral Division, Texas Chiropractic College or PACE Recognized by The Federation of Chiropractic Licensing Boards, ACCME Joint Providership with the State University of New York at Buffalo Jacobs School of Medicine and Biomedical Sciences, Academy of Chiropractic Post-Doctoral Division, Buffalo, NY, 2017, Buffalo, NY, 2017

### **Spinal Trauma Pathology: Biomechanics of Traumatic Disc Bulge and Age Dating Herniated Disc Pathology**

*The biomechanics of traumatic disc bulges as sequella from trauma and the comorbidity of ligamentous pathology. Age-dating spinal disc pathology in accordance with Wolff's Law.* Diplomate, Academy of Chiropractic Post -Doctoral Division, Texas Chiropractic College or PACE Recognized by The Federation of Chiropractic Licensing Boards, ACCME Joint Providership with the State University of New York at Buffalo Jacobs School of Medicine and Biomedical Sciences, Academy of Chiropractic Post-Doctoral Division, Buffalo, NY, 2017, Buffalo, NY, 2017

### **Spinal Trauma Pathology: Clinical Grand Rounds**

*The review of case histories of mechanical spine pathology and biomechanical failures inclusive of case histories, clinical findings and x-ray and advanced imaging studies. Assessing comorbidities in the triage and prognosis of the injured.* Diplomate, Academy of Chiropractic Post -Doctoral Division, Texas Chiropractic College or PACE Recognized by The Federation of Chiropractic Licensing Boards, ACCME Joint Providership with the State University of New York at Buffalo Jacobs School of Medicine and Biomedical Sciences, Academy of Chiropractic Post-Doctoral Division, Buffalo, NY, 2017, Buffalo, NY, 2017

### **Spinal Trauma Pathology: Research Perspectives**

*The review of current literature standards in spinal trauma pathology and documentation review of biomechanical failure, ligamentous failure and age-dating disc pathology.* Diplomate, Academy of Chiropractic Post -Doctoral Division, Texas Chiropractic College or PACE Recognized by The Federation of Chiropractic Licensing Boards, ACCME Joint Providership with the State University of New York at Buffalo Jacobs School of Medicine and Biomedical Sciences, Academy of Chiropractic Post-Doctoral Division, Buffalo, NY, 2017, Buffalo, NY, 2017

### **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.* Diplomate, Academy of Chiropractic Post -Doctoral Division, Texas Chiropractic College or PACE Recognized by The Federation of Chiropractic Licensing Boards, ACCME Joint Providership with the State University of New York at Buffalo Jacobs School of Medicine and Biomedical Sciences, Academy of Chiropractic Post-Doctoral Division, Buffalo, NY, 2017, Buffalo, NY, 2017

**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.* Diplomate, Academy of Chiropractic Post -Doctoral Division, Texas Chiropractic College or PACE Recognized by The Federation of Chiropractic Licensing Boards, ACCME Joint Providership with the State University of New York at Buffalo Jacobs School of Medicine and Biomedical Sciences, Academy of Chiropractic Post-Doctoral Division, Buffalo, NY, 2017, Buffalo, NY, 2017

**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.* Diplomate, Academy of Chiropractic Post -Doctoral Division, Texas Chiropractic College or PACE Recognized by The Federation of Chiropractic Licensing Boards, ACCME Joint Providership with the State University of New York at Buffalo Jacobs School of Medicine and Biomedical Sciences, Academy of Chiropractic Post-Doctoral Division, Buffalo, NY, 2017, Buffalo, NY, 2017

**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.* Diplomate, Academy of Chiropractic Post -Doctoral Division, Texas Chiropractic College or PACE Recognized by The Federation of Chiropractic Licensing Boards, ACCME Joint Providership with the State University of New York at Buffalo Jacobs School of Medicine and Biomedical Sciences, Academy of Chiropractic Post-Doctoral Division, Buffalo, NY, 2017, Buffalo, NY, 2017

**Mild Traumatic Brain Injury/Traumatic Brain Injury/Concussion**

*Differentially diagnosing mild traumatic brain injury vs. traumatic brain injury and the clinical and imaging protocols required to conclude an accurate diagnosis for head trauma.* Diplomate, Academy of Chiropractic Post -Doctoral Division, Texas Chiropractic College or PACE Recognized by The Federation of Chiropractic Licensing Boards, ACCME Joint Providership with the State University of New York at Buffalo Jacobs School of Medicine and Biomedical Sciences, Academy of Chiropractic Post-Doctoral Division, Buffalo, NY, 2017, Buffalo, NY, 2017

### **Impairment Rating**

*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.* Diplomate, Academy of Chiropractic Post -Doctoral Division, Texas Chiropractic College or PACE Recognized by The Federation of Chiropractic Licensing Boards, ACCME Joint Providership with the State University of New York at Buffalo Jacobs School of Medicine and Biomedical Sciences, Academy of Chiropractic Post-Doctoral Division, Buffalo, NY, 2017, Buffalo, NY, 2017

### **Orthopedic Testing: Principles, Clinical Application and Triage**

*Integration of orthopedic testing in the clinical setting to develop a differential diagnosis. Utilizing radiographic and advanced imaging inclusive of MRI and CAT scan findings to verify tissue pathology suspected by orthopedic testing conclusions and developing a treatment plan as sequelae.* Diplomate, Academy of Chiropractic Post -Doctoral Division, Texas Chiropractic College or PACE Recognized by The Federation of Chiropractic Licensing Boards, ACCME Joint Providership with the State University of New York at Buffalo Jacobs School of Medicine and Biomedical Sciences, Academy of Chiropractic Post-Doctoral Division, Buffalo, NY, 2017, Buffalo, NY, 2017.

### **Orthopedic Testing: Cervical Spine**

*Integration of cervical orthopedic testing in the clinical setting to develop a differential diagnosis. Utilizing radiographic and advanced imaging inclusive of MRI and CAT scan findings to verify tissue pathology suspected by orthopedic testing conclusions and developing a treatment plan as sequelae.* Diplomate, Academy of Chiropractic Post -Doctoral Division, Texas Chiropractic College or PACE Recognized by The Federation of Chiropractic Licensing Boards, ACCME Joint Providership with the State University of New York at Buffalo Jacobs School of Medicine and Biomedical Sciences, Academy of Chiropractic Post-Doctoral Division, Buffalo, NY, 2017, Buffalo, NY, 2017

### **Orthopedic Testing: Lumbar Spine**

*Integration of lumbar orthopedic testing in the clinical setting to develop a differential diagnosis. Utilizing radiographic and advanced imaging inclusive of MRI and CAT scan findings to verify tissue pathology suspected by orthopedic testing conclusions and developing a treatment plan as sequelae.* Diplomate, Academy of Chiropractic Post -Doctoral Division, Texas Chiropractic College or PACE Recognized by The Federation of Chiropractic Licensing Boards, ACCME Joint Providership with the State University of New York at Buffalo Jacobs School of Medicine and Biomedical Sciences, Academy of Chiropractic Post-Doctoral Division, Buffalo, NY, 2017, Buffalo, NY, 2017.



### **Orthopedic Testing: Clinical Grand Rounds**

*Integration of orthopedic testing in the clinical setting utilizing both simple and complex patient scenarios. It includes potential stroke, or vertebrobasilar insufficient patients and understanding the nuances in a clinical evaluation with orthopedic testing as a critical part of the evaluation and screening process. How to integrate orthopedic testing in the clinical setting utilizing both simple and complex patient scenarios. It includes potential stroke, or vertebrobasilar insufficient patients and understanding the nuances in a clinical evaluation with orthopedic testing as a critical part of the evaluation and screening process.* Diplomate, Academy of Chiropractic Post - Doctoral Division, Texas Chiropractic College or PACE Recognized by The Federation of Chiropractic Licensing Boards, ACCME Joint Providership with the State University of New York at Buffalo Jacobs School of Medicine and Biomedical Sciences, Academy of Chiropractic Post-Doctoral Division, Buffalo, NY, 2017, Buffalo, NY, 2017

### **Stroke Anatomy and Physiology: Brain Vascular Anatomy**

*The anatomy and physiology of the brain and how blood perfusion effects brain function. A detailed analysis of the blood supply to the brain and the physiology of ischemia.* Diplomate, Academy of Chiropractic Post -Doctoral Division, Texas Chiropractic College or PACE Recognized by The Federation of Chiropractic Licensing Boards, ACCME Joint Providership with the State University of New York at Buffalo Jacobs School of Medicine and Biomedical Sciences, Academy of Chiropractic Post-Doctoral Division, Buffalo, NY, 2017, Buffalo, NY, 2017

### **Stroke Anatomy and Physiology: Stroke Types and Blood Flow**

*Various types of stroke identifying ischemia, hypoperfusion, infarct and penumbra zones and emboli. Cardiac etiologies and clinical features as precursor to stroke with associated paradoxical emboli and thrombotic etiologies. Historical and co-morbidities that have etiology instroke inclusive of diabetes, coagulopathy, acquired and hereditary deficiencies.* Diplomate, Academy of Chiropractic Post -Doctoral Division, Texas Chiropractic College or PACE Recognized by The Federation of Chiropractic Licensing Boards, ACCME Joint Providership with the State University of New York at Buffalo Jacobs School of Medicine and Biomedical Sciences, Academy of Chiropractic Post-Doctoral Division, Buffalo, NY, 2017, Buffalo, NY, 2017

### **Stroke Principles of Treatment an Overview for the Primary Care Provider**

*Stroke type and treatments performed by vascular specialists. The goals of treatment with the physiology of the infarct and penumbra zones and the role of immediate triage in the primary care setting. Detailing the complications of stroke and future care in the chiropractic, primary care or manual medicine clinical setting.* Diplomate, Academy of Chiropractic Post -Doctoral Division, Texas Chiropractic College or PACE Recognized by The Federation of Chiropractic Licensing Boards, ACCME Joint Providership with the State University of New York at Buffalo Jacobs School of Medicine and Biomedical Sciences, Academy of Chiropractic Post-Doctoral Division, Buffalo, NY, 2017, Buffalo, NY, 2017

### **Clinical Evaluation and Protocols for Identifying Stroke Risk**

*The neurological history and examination for identifying stroke risks with a focus on supra and infratentorial regions, upper and lower motor lesions, cranial nerve signs, spinal cord pathology, motor and sensory pathology and gait abnormalities. Examining genetic and family histories along with dissection risk factors. Stroke orthopedic testing and clinical guidelines pertaining to triage for the primary care provider.* Diplomate, Academy of Chiropractic Post -Doctoral Division, Texas Chiropractic College or PACE Recognized by The Federation of Chiropractic Licensing Boards, ACCME Joint Providership with the State University of New York at Buffalo Jacobs School of Medicine and Biomedical Sciences, Academy of Chiropractic Post-Doctoral Division, Buffalo, NY, 2017, Buffalo, NY, 2017

### **Medical-Legal-Insurance Documentation**

*Accurate and compliant documentation of history and clinical findings inclusive of functional losses, loss of activities of daily living, duties under duress and permanent loss of enjoyment of life. Prognosing static vs. stable care, gaps in care both in the onset and in the middle of passive care with a focus on detailed diagnosing. The integration of chiropractic academia, the court system and the insurance reimbursors' requirements for complete documentation.* Diplomate, Academy of Chiropractic Post -Doctoral Division, Texas Chiropractic College or PACE Recognized by The Federation of Chiropractic Licensing Boards, ACCME Joint Providership with the State University of New York at Buffalo Jacobs School of Medicine and Biomedical Sciences, Academy of Chiropractic Post-Doctoral Division, Buffalo, NY, 2017, Buffalo, NY, 2017

### **Croft Module 1: Whiplash Advanced Topics: The Fundamental Science**

*Requisite and comprehensive biomechanics knowledge for forensic experts, the minimal property damage myth exposed. A cutting-edge analysis of brain, neck, and other soft tissue injuries that occur secondary to cervical acceleration deceleration syndrome and whiplash associated disorder. Risk assessment: the fundamental key to modern forensic practice.* Certification in Whiplash and Brain Injury Traumatology, Spine Research Institute of San Diego, Denver Colorado 2016.

### **Croft Module 2: Management Principles in Personal Injury and Forensic Documentation**

*Auto crash reconstruction in low speed crashes: critical knowledge for today's forensic practitioners. Comprehensive physical examination of whiplash and traumatic brain injury cases and the correct way to document these injuries. The latest radiographic examination methods and analysis techniques. CT and MRI examination of brain and soft tissue injuries. How and when to use special diagnostic imaging modalities (SPECT, PET, functional MRI, VF, etc.) How and when to use electrodiagnostics (EMG, sEMG, SSEP, VEP, etc.) Special considerations for the proper management of personal injury cases.* Certification in Whiplash and Brain Injury Traumatology, Spine Research Institute of San Diego, Denver Colorado 2016.

### **Croft Module 3: Principles of Impairment Rating and Forensic Reporting**

*Critical documentation from day 1; What every personal injury and forensic expert needs to know. Incorporating outcomes assessment and disability instruments into your reports (SCL-90-R, Oswestry, Roland-Morris, Rivermead PCS, and more). The application of AMA guidelines in personal injury and forensic practice. Critical rebuttal methods and strategies in today's modern forensic practice. Certification in Whiplash and Brain Traumatology, Spine Research Institute of San Diego, 2017*

### **Croft Module 4: Medicolegal Fundamentals for Practitioners and Forensic Experts**

*Essentials of documentation and record keeping in medicolegal cases. When and how to incorporate medical photography. Preparing for depositions arbitrations, cross-examination and testifying in court. Critical differences between chiropractic and medical approaches that make or break a case. Using evidence effectively; models, charts, diagrams, photos, movies, and more. Daubert and Frey rules; how they affect your testimony and how they can exclude opposing experts. Disabusing the MIST myth; Colossus. Learned treatises and reliable authorities; other federal rules of evidence experts should know. Certification in Whiplash and Brain Traumatology, Spine Research Institute of San Diego, 2016*

## **Experience**

**March 2004 – Present** Choice of Health Chiropractic & Acupuncture (Overland Park, KS)  
Owner and President of Choice of Health Chiropractic & Acupuncture. Solo practitioner, using techniques of Prone Specific, Diversified, Extremity Adjusting and Activator. Providing therapies such as intersegmental traction, manual massage, rehabilitation, trigger point therapy and acupuncture. Proficient in taking and reading onsite digital w-ray. Use of DME includes: Cervical supports, cervical pillows, lumbar supports, tens units, lumbar chair support and other rehab devices. This is a family practice with emphasis on motor vehicle collision injury treatment. Conditions most commonly treated include: motor vehicle collision injuries, asthma, allergies, migraines, headaches, sinus problems, neck and back pain, sciatica, infertility, infant child care, sports injuries, and geriatrics.

## **Publications**

Witt Sherman PhD, APRN, ANP-BC, ACHPN, FAAN, D., Matzo PhD, APRN-CNP, FPCN, FAAN, M. (2018). Palliative Care Nursing, 5th Edition. Chapter (24), 67 - 65.

## **Professional Affiliations**

American Chiropractic Association (ACA)  
Kansas Chiropractic Association (KCA)  
Missouri State Chiropractic Association (MSCA)  
Cleveland Chiropractic College Lifetime Alumni Membership  
American board of chiropractic Acupuncture  
Council of Chiropractic Acupuncture