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<http://www.poconoMVAinjury.com>

SELECTED OCCUPATIONAL HISTORY

Clinic Director, Chiropractor, Laubach Family Chiropractic dba. Back 2 Health Family Wellness Center, Scotrun, Pennsylvania, 2006-present

Associate Chiropractor, Kurtz Chiropractic Center, Wilson, North Carolina, 2005-2006

Radiology Technician Assistant, Palmer College of Chiropractic, Davenport, Iowa, 2004-2005

EDUCATION AND LICENSURE

Doctor of Chiropractic, Licensed in the State of Pennsylvania, License #DC009427, 2005 - present

Adjunctive Procedures, Licensed in the State of Pennsylvania, License #AJ009219, 2005 - present

Doctor of Chiropractic, Licensed in the State of North Carolina, License #3368, 2005-2006

Doctorate of Chiropractic, Palmer College of Chiropractic, Davenport , Iowa, 2005

Bachelor of Science in Liberal Studies, Focus in Biology and Chemistry, Excelsior College, Albany, New York, 2005

Internship, Palmer College of Chiropractic, Rock Island Clinic, Moline, Illinois, 2004-2005

National Board of Chiropractic Examiners, Physiotherapy, 2004

National Board of Chiropractic Examiners, Part IV, 2004

National Board of Chiropractic Examiners, Part III, 2004

National Board of Chiropractic Examiners, Part II, 2003

National Board of Chiropractic Examiners, Part I, 2002

Undergraduate Studies in Biology and Chemistry, University of Delaware, Newark, Delaware, 1998-2001

SELECTED POST-GRADUATE EDUCATION AND CERTIFICATIONS

Chiropractic Medicine Auditing Professionals, LLP, Certified PA Act 6 Peer Reviewer, 2016

Functional Movement Analysis, *Visual inspection, objective testing and measures, creating a corrective rehabilitation exercise plan, patient management in a rehabilitative setting.* Pennsylvania Chiropractic Association Fall Convention, Pennsylvania Chiropractic Association, 2015

Act 31: Child Abuse Recognition and Reporting, *State regulations for mandated reporting professionals,* Pennsylvanian Chiropractic Association Fall Convention, Pennsylvania Family Support Association, 2015

Chiropractic Benchmarks, Peer Review Modules Certificate Module 2, *Outcome measures, Diagnostic testing, MRI criteria, Maximum Medical Improvement, Introduction to Peer/Utilization Reviews, Peer Review/Utilization Review Organizations, Review of Practice Standards, Problem Oriented Medical Records, Chiropractic and Adjunctive Therapy Procedure Usage, DME, Use of Diagnostic Testing, PRO/URO Report Writing, Report Structure and Law, Treatment Guidelines, Case Reviews.* Chiropractic Medicine Auditing Professionals, LLC Education Series, New York Chiropractic College, 2015

Chiropractic Benchmarks, Peer Review Modules Certificate Module 1, *Professional standards respective to National/State regulations/statutes, PA State Law review, ACT VI, MVFRL, ACT 57, Title 49, PA Chiropractic Practice Act; Medical Necessity, definitions, applicability, implications to standards of care, basis of audit, pre/post payment audit; Documentation compliance, Patient case management, Treatment plans and compliance; Outcome measures, Diagnostic testing, Maximum Medical Improvement, Maximum Therapeutic Improvement Profile, Maintenance Care review, Persistent functional loss, Clinical trial of withdraw from care.* Chiropractic Medicine Auditing Professionals, LLC Education Series, New York Chiropractic College, 2015

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 reimbursers' requirements for complete documentation.* Academy of Chiropractic Post-Doctoral Division, Recognized by the PACE Program of the Federation of Chiropractic Licensing Boards, Long Island, New York, 2014

Head Trauma, Brain Injury and Concussion, *Brain and head physiology, brain mapping and pathology as a sequella to trauma. Traumatic brain injury, mild traumatic brain injury, axonal shearing, diffuse axonal injury and concussion are detailed in etiology and clinically. Clinical presentation, advanced diagnostic imaging and electrodiagnostics are detailed in analysis to create a differential diagnosis. Balance disorders that often occur as a result of trauma are also explored from clinical presentation to advanced imaging and differential diagnosis.* Recognized by the PACE Program of the Federation of Chiropractic Licensing Boards, Academy of Chiropractic Post Doctoral Division, Long Island, NY, 2014

Spinal Biomechanical Engineering, Triage and Documentation, *Utilizing principles and algorithms of spinal biomechanical engineering to analyze chronic and trauma patients in creating diagnostic, prognostic and treatment protocols.* Academy of Chiropractic Post-Doctoral Division, Recognized by the PACE Program of the Federation of Chiropractic Licensing Boards, Elmhurst, New York, 2014

MRI Spine Interpretation, Triage and Documentation, *Interpreting MRI pathology as sequella to trauma to determine herniation, bulge, protrusion and extrusion in order to create diagnostic, prognostic and treatment protocols*. Academy of Chiropractic Post-Doctoral Division, Recognized by the PACE Program of the Federation of Chiropractic Licensing Boards, Elmhurst, New York, 2014

Evidence Based Practice, Triage and Documentation, *Understanding and applying scientific literature in trauma patients to create diagnostic, prognostic and treatment protocols*. Academy of Chiropractic Post-Doctoral Division, Recognized by the PACE Program of the Federation of Chiropractic Licensing Boards, Elmhurst, New York, 2014

Diplomate, American Academy of Medical Legal Professionals, 2013

Certification in MRI Interpretation, Federation of Chiropractic Licensing Boards, ACCME Joint Sponsorship with the State University of New York at Buffalo, School of Medicine and Biomedical Sciences, Academy of Chiropractic Post Doctoral Division, Buffalo, NY, 2013

Certification in Spinal Biomechanical Engineering, Federation of Chiropractic Licensing Boards, ACCME Joint Sponsorship with the State University of New York at Buffalo, School of Medicine and Biomedical Sciences, Academy of Chiropractic Post Doctoral Division, Buffalo, NY, 2013

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*. Federation of Chiropractic Licensing Boards, Academy of Chiropractic Post Doctoral Division, Long Island, NY, 2013

MRI Spine Interpretation, *Bulge, herniated, protruded, extruded, sequestered discs, differential diagnoses and clinical triage implications*. MRI physics and slice protocols. Federation of Chiropractic Licensing Boards, Academy of Chiropractic Post Doctoral Division, Boca Raton, FL, 2013

MRI Protocols Clinical Necessity, *MRI slices, views, T1, T2, STIR axial, stacking, FFE, FSE and sagittal images. Clinical indication for the utilization of MRI and pathologies of disc in both trauma and non-trauma sequelae, including bulge, herniation, protrusion, extrusion and sequestration*. Federation of Chiropractic Licensing Boards, ACCME Joint Sponsorship with the State University of New York at Buffalo, School of Medicine and Biomedical Sciences, Academy of Chiropractic Post Doctoral Division, Long Island, NY, 2013

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* Federation of Chiropractic Licensing Boards, ACCME Joint Sponsorship

with the State University of New York at Buffalo, School of Medicine and Biomedical Sciences, Academy of Chiropractic Post Doctoral Division, Long Island, NY, 2013

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.* Federation of Chiropractic Licensing Boards, ACCME Joint Sponsorship with the State University of New York at Buffalo, School of Medicine and Biomedical Sciences, Academy of Chiropractic Post Doctoral Division, Long Island, NY, 2013

MRI Interpretation of Cervical Degeneration/Bulges, *MRI slices, views, T1, T2, STIR axial, stacking, FFE, FSE and sagittal images in the interpretation of lumbar degeneration. With the co-morbidities and complications of stenosis, pseudo-protrusions, cantilevered vertebrate, Schmorl's nodes and herniations. Spinal cord and canal compromise interpretation with management.* Federation of Chiropractic Licensing Boards, ACCME Joint Sponsorship with the State University of New York at Buffalo, School of Medicine and Biomedical Sciences, Academy of Chiropractic Post Doctoral Division, Long Island, NY, 2013

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 comorbidities 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.* Federation of Chiropractic Licensing Boards, ACCME Joint Sponsorship with the State University of New York at Buffalo, School of Medicine and Biomedical Sciences, Academy of Chiropractic Post Doctoral Division, Long Island, NY, 2013

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.* Federation of Chiropractic Licensing Boards, ACCME Joint Sponsorship with the State University of New York at Buffalo, School of Medicine and Biomedical Sciences, Academy of Chiropractic Post Doctoral Division, Long Island, NY, 2013

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.* Federation of Chiropractic Licensing Boards, ACCME Joint Sponsorship with the State University of New York at Buffalo, School of Medicine and Biomedical Sciences, Academy of Chiropractic Post Doctoral Division, Buffalo, NY, 2013

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.* Federation of Chiropractic Licensing Boards, ACCME Joint Sponsorship with the State University of New York at Buffalo, School of Medicine and Biomedical Sciences and Academy of Chiropractic Post Doctoral Division, Buffalo, NY, 2013

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.* Federation of Chiropractic Licensing Boards, ACCME Joint Sponsorship with the State University of New York at Buffalo, School of Medicine and Biomedical Sciences and Academy of Chiropractic Post Doctoral Division, Buffalo, NY, 2013

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.* Federation of Chiropractic Licensing Boards, ACCME Joint Sponsorship with the State University of New York at Buffalo, School of Medicine and Biomedical Sciences and Academy of Chiropractic Post Doctoral Division, Buffalo, NY, 2013

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.* New York Chiropractic Council, Federation of Chiropractic Licensing Boards, ACCME Joint Sponsorship with the State University of New York at Buffalo, School of Medicine and Biomedical Sciences and Academy of Chiropractic Post Doctoral Division, Buffalo, NY, 2013

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.* Federation of Chiropractic Licensing Boards, ACCME Joint Sponsorship with the State University of New York at Buffalo, School of Medicine and Biomedical Sciences and Academy of Chiropractic Post Doctoral Division, Buffalo, NY, 2013

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.* Federation of Chiropractic Licensing Boards, ACCME Joint Sponsorship with the State University of New York at Buffalo, School of Medicine and Biomedical Sciences, Academy of Chiropractic Post Doctoral Division, Buffalo, NY, 2013

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.* [Insert the state licensure body sent to you], ACCME Joint Sponsorship with the State University of New York at Buffalo, School of Medicine and Biomedical Sciences, Academy of Chiropractic Post Doctoral Division, Buffalo, NY, 2013

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.* Federation of Chiropractic Licensing Boards, ACCME Joint Sponsorship with the State University of New York at Buffalo, School of Medicine and Biomedical Sciences, Academy of Chiropractic Post Doctoral Division, Buffalo, NY, 2013

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.* Federation of Chiropractic Licensing Boards, ACCME Joint Sponsorship with the State University of New York at Buffalo, School of Medicine and Biomedical Sciences, Academy of Chiropractic Post Doctoral Division, Buffalo, NY, 2013

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, occular and proprioceptive neurological integration in the righting reflex as evidenced in imaging. Digital and numerical algorithm in analyzing a spine.* Federation of Chiropractic Licensing Boards, ACCME Joint Sponsorship with the State University of New York at Buffalo, School of Medicine and Biomedical Sciences, Academy of Chiropractic Post Doctoral Division, Buffalo, NY, 2013

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.* Federation of Chiropractic Licensing Boards, ACCME Joint Sponsorship with the State University of New York at Buffalo, School of Medicine and Biomedical Sciences, Academy of Chiropractic Post Doctoral Division, Buffalo, NY, 2013

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.* Federation of Chiropractic Licensing Boards, ACCME Joint Sponsorship with the State University of New York at Buffalo, School of Medicine and Biomedical Sciences, Academy of Chiropractic Post Doctoral Division, Buffalo, NY, 2013

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.* Federation of Chiropractic Licensing Boards, ACCME Joint Sponsorship with the State University of New York at Buffalo, School of Medicine and Biomedical Sciences, Academy of Chiropractic Post Doctoral Division, Buffalo, NY, 2013

Spinal Biomechanical Engineering, *Differential diagnosis of pathobiomechanics in the cervical, thoracic, and lumbar spine as sequellae to micro and macro trauma and chronic biomechanical instabilities. Understanding the clinical implications of long term biomechanical failure in resultant disc pathology, ligament pathology, and osseous pathology.* Federation of Chiropractic Licensing Boards, Academy of Chiropractic Post Doctoral Division, Boca Raton, FL, 2013

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.* Federation of Chiropractic Licensing Boards, Academy of Chiropractic Post Doctoral Division, Long Island, NY, 2013

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.* Federation of Chiropractic Licensing Boards, Academy of Chiropractic Post Doctoral Division, Long Island, NY, 2013

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.* Federation of Chiropractic Licensing Boards, Academy of Chiropractic Post Doctoral Division, Long Island, NY, 2013

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.* Federation of Chiropractic Licensing Boards, Academy of Chiropractic Post Doctoral Division, Long Island, NY, 2013

Neurodiagnostic Testing Protocols, Physiology and Indications for the Trauma Patient, *Electromyography (EMG), Nerve Conduction Velocity (NCV), Somato Sensory Evoked Potential (SSEP), Visual Evoked Potential (VEP), Brain Stem Auditory Evoked Potential (BAER) and Visual-Electronystagmosgraphy (V-ENG) interpretation, protocols and clinical indications for the trauma patient.* Federation of Chiropractic Licensing Boards, Academy of Chiropractic Post Doctoral Division, Long Island, NY, 2013

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.* Federation of Chiropractic Licensing Boards, Academy of Chiropractic Post Doctoral Division, Long Island, NY, 2013

Documenting Clinically Correlated Bodily Injury to Causality, *Understanding the necessity for accurate documentation, diagnosis and clinical correlation to the injury when reporting injuries in the medical-legal community. Documenting the kinesio pathology, myopathology, neuropathology, and pathophysiology in both a functional and structural paradigm.* Federation of Chiropractic Licensing Boards, Academy of Chiropractic Post Doctoral Division, Long Island, NY, 2013

Cervical Spine: Imaging & Clinical Features, *Cervical spine anatomy, prevalence, epidemiology, definitions/classifications, pathophysiology, and clinical presentation of cervical spine trauma. Imaging protocol selection and interpretation of findings in cervical spine injuries including x-ray, MRI, and CT.* Cleveland College of Chiropractic, Overland Park, Kansas, 2013

Imaging Degenerative Disorders of the Spine, *Spinal anatomy, prevalence, epidemiology, definitions/classifications, pathophysiology, and clinical presentation of degenerative spinal conditions. Diagnostic imaging protocol selection and interpretation of findings in common degenerative spinal conditions including x-ray, MRI, and CT.* Cleveland College of Chiropractic, Overland Park, Kansas, 2013

Imaging Muscle Injury and Its Sequelae, *Muscle anatomy, prevalence, epidemiology, definitions/classifications, pathophysiology, and clinical presentation of muscle injuries. Imaging protocol selection and interpretation of findings in muscle injuries including x-ray, MRI, and CT.* Cleveland College of Chiropractic, Overland Park, Kansas, 2013

Imaging of Facial and Skull Trauma, *Facial and skull anatomy, prevalence, epidemiology, definitions/classifications, pathophysiology, and clinical presentation of craniomaxillofacial trauma. Diagnostic imaging protocol selection and interpretation of findings in craniomaxillofacial trauma including x-ray, MRI and CT.* Cleveland College of Chiropractic, Overland Park, Kansas, 2013

Credentials and Clinically Correlating Causality, *The significance of 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, New York, 2012

Radiographic Assessment of Spine Trauma, *Common radiographic finding is the spine trauma patient. Using diagnostic imaging techniques to assist in triaging the spine trauma patient. Selection of advanced imaging procedures including CT, MRI, and bone scintigraphy to further evaluate the post traumatic patient.* Cleveland College of Chiropractic, Overland Park, Kansas, 2012

Advanced Imaging of Cervical Spine Injuries, *Diagnostic imaging protocol selection and interpretation of common findings in patients suffering from cervical spine trauma including CT, MRI, and x-ray.* Cleveland College of Chiropractic, Overland Park, Kansas, 2012

Injury to the Thoracic Spine, *Prevalence, epidemiology, definitions/classifications, pathophysiology, and clinical presentation of thoracic spine and chest injuries. Diagnostic imaging protocol selection and interpretation of findings in common thoracic spine and chest injuries including Xray, CT, and MRI.* Cleveland College of Chiropractic, Overland Park, Kansas, 2012

Advanced Imaging of the Thoracolumbar Spine, *Diagnostic imaging protocol selection and interpretation of common findings in patients suffering from thoracic spine trauma including CT, MRI, and x-ray.* Cleveland College of Chiropractic, Overland Park, Kansas, 2012

Trials, Arbitrations, and Mediations, *Overview of mediation, arbitration, and trial process, standards of evidence.* Cleveland College of Chiropractic, Overland Park, Kansas, 2012

Preparation Tips for Depositions and Trials, *Overview of the deposition and trial process. Tips for the medical professional preparing to participate in a deposition or trial.* Cleveland College of Chiropractic, Overland Park, Kansas, 2012

Testimony Tips for Trials and Depositions, *Overview of the trial and deposition process. Tips for the medical professional giving testimony in a trial or deposition setting.* Cleveland College of Chiropractic, Overland Park, Kansas, 2012

The Temporomandibular Joint, *Tempromandibular joint anatomy, prevalence, epidemiology, definitions/classifications, pathophysiology, and clinical presentation of tempromandibular joint dysfunction. Diagnostic imaging protocol selection and interpretation of findings in tempromandibular joint dysfunction including x-ray, MRI, CT and arthrography.* Cleveland College of Chiropractic, Overland Park, Kansas, 2012

Stress Injuries of the Skeleton, *Pathogenesis, classification, biomechanics, and interpretation of common findings in patients suffering from skeletal stress injuries. Selecting proper diagnostic imaging when diagnosing skeletal stress injuries including CT, MRI, x-ray, and bone scintigraphy. Evidence bases treatment guidelines and care paths for skeletal stress injuries.* Cleveland College of Chiropractic, Overland Park, Kansas, 2012

Kennedy Spinal Disc Decompression Technique, *Spinal disc anatomy, pathology, evaluation, differential diagnosis, and triage. Focus on spinal disc disorders and spinal axial traction techniques as an adjunctive procedure for treatment.* Logan College of Chiropractic, Chesterfield, Missouri, 2012

Certificate of Advanced Proficiency in Whiplash Biomechanics, Traumatology, and Mild Traumatic Brain Injury, *Spine Research Institute of San Diego, San Diego, California, 2012*

Principles of Impairment Rating and Forensic Reporting, *Critical documentation starting with the initial visit. The application of AMA guidelines in personal injury and forensic practice. Modern guidelines and best practices (Presley Reed, Mercy, QTF, ACOEM, Croft), how they are commonly abused and how and*

when to use them correctly. Critical rebuttal methods and strategies in today's modern forensic practice. Spine Research Institute of San Diego, San Diego, California, 2011

Medicolegal Fundamentals for Practitioners and Forensic Experts, Essentials of documentation and records keeping. Daubert and Frye rules, learned treatises and reliable authorities, other federal rules of evidence experts should know. Medical photography, when and how to use it and incorporate it. Preparing for the classic cross-examination strategies. Spine Research Institute of San Diego, San Diego, California, 2011

Management Principles in Personal Injury and Forensic Documentation, In-depth training on all aspects of management of trauma, from beginning to end. A comprehensive primer on crash reconstruction, advanced topics in low speed crash reconstruction. 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, fMRI, MRA, VF), Electrodiagnostics (EMG, sEMG, SSEP, VEP). Soft tissue healing times and implications for successful case management. The state of the injury and implications for case management. Spine Research Institute of San Diego, San Diego, California, 2011

Whiplash Advanced Topics: The Fundamental Science, Requisite and comprehensive biomechanics knowledge for forensic experts; In-depth analysis of brain, neck, and cervical spine trauma mechanisms; Clinical syndromes and conditions resulting from whiplash, What forensic experts need to know about the various pain syndromes. Spine Research Institute of San Diego, San Diego, California, 2011

Cervical Ligament Injury, Research demonstrates that cervical spine ligaments fail in a specific and predictable pattern. Understanding these patterns leads to improved diagnostic accuracy. Pennsylvania Board of Chiropractic Examiners, University of Western States, Portland, Oregon, 2010

Ominous Findings in the Head Pain Patient, The clinical signs and symptoms of ominous head pain. Pennsylvania Board of Chiropractic Examiners, University of Western States, Portland, Oregon, 2010

Radiology of the Cervical Spine, Cervical spine radiography including positioning, technique and interpretation. Pennsylvania Board of Chiropractic Examiners, University of Western States, Portland, Oregon, 2010

Variants & Atypical Spinal Anatomy, Atypical anatomy and variants on cervical x-rays that can mimic trauma. Pennsylvania Board of Chiropractic Examiners, University of Western States, Portland, Oregon, 2010

Radiography of the Lumbar Spine, Musculoskeletal abnormalities, soft tissues and biomechanical faults. Pennsylvania Board of Chiropractic Examiners, University of Western States, Portland, Oregon, 2010

Benefits of Spinal Manipulation, The medical literature and trials concerning the benefits of spinal manipulative therapy. Pennsylvania Board of Chiropractic Examiners, University of Western States, Portland, Oregon, 2010

Risks of Spinal Manipulation, *The current medical literature concerning the risks associated with spinal manipulative therapy*. Pennsylvania Board of Chiropractic Examiners, University of Western States, Portland, Oregon, 2010

Stroke and Manipulation, *Literature concerning mitigating risks for patients, identifying and triaging patients presenting with signs of stroke*. Pennsylvania Board of Chiropractic Examiners, University of Western States, Portland, Oregon, 2010

Malpractice: Errors of Commission, *The most common allegations and how to avoid them*. Pennsylvania Board of Chiropractic Examiners, University of Western States, Portland, Oregon, 2010

Malpractice: Errors of Omission, *The most common allegations and how to avoid them*. Pennsylvania Board of Chiropractic Examiners, University of Western States, Portland, Oregon, 2010

Wellness State of Mind, Emotional Health, Eliciting Patient Lifestyle Change, *Scientific literature highlighting health promotion and illness prevention benefits of positive mental attitude and congruent belief systems. Identifying interactions of somato- and psycho- neuroimmunology and neurophysiology in health and illness*. International Chiropractic Association Council on Wellness Science, Life Chiropractic College West, Hayward, California, 2008

Wellness Physical Fitness and Spinal Hygiene, *Understanding physiological repercussions of sedentary patterns including brain function, body composition, and immune system integrity. Introducing exercise and training approaches for spinal hygiene, functional restoration and spinal health*. International Chiropractic Association Council on Wellness Science, Life Chiropractic College West, Hayward, California, 2008

Wellness Nutrition and Natural Health, *The physiological impact of the standard "Western Diet" with metabolic acidosis, insulin resistance, probiotic deficiencies, fatty acid metabolism, and other concerns. Research findings identifying health promoting and illness preventing benefits of innately balanced and sufficient nutritional choices*. International Chiropractic Association Council on Wellness Science, Life Chiropractic College West, Hayward, California, 2008

Scientific Validation of the Chiropractic Wellness Paradigm, *Review of referenced literature, identifying scientific evidence relating chiropractic's health promotion and illness prevention benefits in relation to chiropractic adjustments and optimizing spinal motion. Identifying structural and neurophysiological effects of vertebral subluxation in adaptive (stress) physiology and illness*. International Chiropractic Association Council on Wellness Science, Life Chiropractic College West, Hayward, California, 2008

SELECTED HONORS AND AWARDS

Pocono Record Reader's Choice, 1st place, Best Chiropractor/Chiropractic Office, 2016

Pocono Record Reader's Choice, 1st place, Best Chiropractor/Chiropractic Office, 2015

Tannersville Lions Club, Lion of the Year, 2015

Pocono Record Reader's Choice, 1st place, Best Chiropractor/Chiropractic Office, 2014

Pocono Record Reader's Choice, 1st place, Best Chiropractor/Chiropractic Office, 2013

"40 under 40", 40 most influential people in the Poconos under the age of 40, Pocono Record, 2013

Greatest Around the Poconos, Winner, Best Chiropractor/Chiropractic Practice, 2013

Graduated Cum Laude, Palmer College of Chiropractic, Davenport, Iowa, 2005

SELECTED PUBLICATIONS/PRESENTATIONS

Stroudsburg Spine Trauma Symposium (April 2014). Disc Pathology from Trauma, Exposing & Overturning Deceptive Defense Medicine, Colossus Algorithms Revealed. The Delaware Room, Stroudsburg PA

Laubach, N. (2013). Ligament Subfailure Injuries Lead to Muscle Control Dysfunction. *American Academy of Medical Legal Professionals*, Retrieved from <http://www.aamp.org>

Laubach, N. (2013). Magnetic Resonance Imaging Interpretation: A Comparison between Radiologists and Clinical Spine Specialists. *American Academy of Medical Legal Professionals*, Retrieved from <http://www.aamp.org>

Laubach, N. (2013). Review of Risk of Permanent Medical Impairment (RPMI) in Traffic Accidents with Injuries Graded by the AIS-2005. *American Academy of Medical Legal Professionals*, Retrieved from <http://www.aamp.org>

SELECTED MEMBERSHIPS

American Academy of Medical Legal Professionals, President, 2014-2015

InjuryHELP Coalition, Member, 2013

American Academy of Trauma Professionals, Chairman, Curriculum Development Committee, 2013

American Academy of Medical Legal Professionals, Member, 2012-2015

Association for the Advancement of Automotive Medicine, Member, 2011-2015

Greater Pocono Chamber of Commerce, Member, 2007-present

Pennsylvania Chiropractic Association, Member, 2006-present

SELECTED COMMUNITY SERVICE

Pocono Township Parks and Recreation Committee, Member 2016 - present

Pocono Township Bicentennial Celebration Committee, Member 2016 - present

Tannersville Lions Club, President, Tannersville, Pennsylvania 2014-2015

Tannersville Lions Club, Annual Golf Outing Committee, Chairperson 2012 - present

Monroe County Crossing Abilities, Board of Advisors, Tannersville, Pennsylvania 2011-2012

Tannersville Lions Club, Member, Tannersville, Pennsylvania 2006-present

Optimist International, Member, Wilson, North Carolina 2005-2006