

## **Robert Conti, D.C., C.C.I.C.**

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### **OCCUPATIONAL HISTORY**

Clinic Director, Doctor of Chiropractic, Conti Chiropractic Center, Hackensack, New Jersey, 1983-Present

### **EDUCATION AND LICENSURE**

Doctor of Chiropractic, Licensed in the State of New Jersey, License# 38MCOO241500, 1983-present

Doctorate of Chiropractic, Sherman College of Chiropractic, Spartanburg, South Carolina, 1982

National Board of Chiropractic Examiners, 1981

Associates Degree in Applied Science, State University of New York at Rockland, Suffern, New York, 1978

Applied Science, New York Institute of Technology, Westbury, New York, 1976-1977

### **SELECTED POST-GRADUATE EDUCATION, CERTIFICATIONS, AND DIPLOMATES**

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

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

Chiropractic, Academy of Chiropractic, Recognized by the PACE Program of the Federation of Chiropractic Licensing Boards, Melville NY, 2016

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

Primary Spine Care, *Neurophysiological central and peripheral nervous systems mechanisms of pain with integrated higher cortical function of the thalamus, cingulate, amygdala, pre-frontal motor and sensory cortexes. Trauma and chronic pain care effecting mechano receptors, nociceptors and proprioceptors through adjustive therapy based upon evidence based care and current literature verification*, Texas Chiropractic College, Federation of Chiropractic licensing boards, New York State Department of Education Board for chiropractic, Academy of Chiropractic, Islandia NY 2015

Primary spine care with interdisciplinary collaborative care, *Triage of patients based upon MRI findings of disc herniation, disc bulge, protrusion, extrusion or sequestration this and spinal cord or nerve root negative sequela, clinical findings of neuro-compressive pathologies and neurodiagnostic findings of EMG-NCV, SSEP, VEP, BAER, VEP and V-ENG findings*. Texas Chiropractic College, Federation of Chiropractic Licensing Boards, New York State Department of Education Board for Chiropractic, Academy of chiropractic, Islandia NY 2015

MRI Protocols Clinical Necessity, *MRI slices views, T1, T2, STIR Axial, stacking, FEE, FSE and sagittal images. Clinical indication for the utilization of the MRI and pathologies of disc in both trauma and non-trauma sequellae, 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 Science, Academy of Chiropractic Post-Doctoral Division, Long Island, New York, 2013

MRI Interpretation of Cervical Herniations, *MRI slices, views, T1, T2, STIR Axial, FFE, FSE, and sagittal images in the interpretation of cervical herniations. With the co-morbidities and complications of stenosis, pseudo-protrusions, cantilevered vertebrae, Schmorl's nodes and herniations. Morphology of cervical 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 Science, Academy of Chiropractic Post-Doctoral Division, Long Island, New York, 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 equine 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 Science, Academy of Chiropractic Post-Doctoral Division, Long Island, New York, 2013

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 notes 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 Science, Academy of Chiropractic Post-Doctoral Division, Long Island, New York, 2013

MRI Interpretation of Degenerative Spine and Disc Disease with Overlapping Traumatic Insult to Both Spine and Disc, *MRI slices, view, T1, T2, STIR Axial, FFE, FSE and sagittal images in the interpretations of degenerative spondylolisthesis, 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 Science, Academy of Chiropractic Post-Doctoral Division, Long Island, New York, 2013

MRI Interpretation of Lumbar 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. Central canal and cauda equine 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, New York, 2013

Documentation and Triage in Trauma, *ICD-9 and CPT requirements in coding for the traumatically injured including integrating electronic health records including informed consent, evaluation and management, and testing orders. The utilization of research in medical reports for both the trauma and non-trauma patients. Clinical coordination of care and reporting to healthcare and legal providers.* New Jersey State Board of Chiropractic Examiners, American Academy of Medical-Legal Professionals, Hollywood, Florida, 2012

Medical-Legal Research and the Documentation of Causal Relationship, *Prognosis and Treatment of the Traumatically Injured. Review of current research published in peer reviewed medically indexed journals focusing on traumatic injuries and how current literature affects the*

*diagnostic conclusion and how to formulate treatment plans.* New Jersey State Board of Chiropractic Examiners, American Academy of Medical-Legal Professionals, Hollywood, Florida, 2012

*Biomechanics of Spinal Trauma and its Relationship to Pre-Existing Injuries and Degenerative Changes, Whiplash associated disorders and the biomechanics of side impact vs. rear impact with emphasis on traumatic forces and body position, the mechanism of whiplash injury phases with their relationships to physiologic tolerance to trauma, specific diagnosis of disc pathology and annular tear, disc herniation, fracture, ligamentous injury and instability. Details of spinal nerve root stretching injury and dimensions of the spinal canal during whiplash was outlined particular to significant spinal injury resulting from low level accelerations including pediatric spinal trauma and physiological normal. Spinal surgical intervention techniques including ordering diagnostic studies using MRI, CT and digital motion x-ray.* New Jersey State Board of Chiropractic Examiners, American Academy of Medical-Legal Professionals, Hollywood, Florida, 2012

*MRI Spine Interpretation of Disc Bulge and Herniation, Spinal MRI findings related to degenerative changes vs. traumatic changes of the intervertebral disc by using definitions provided by the American Society of Neuroradiology. Anatomy of the intervertebral disc, spinal cord, nerve roots and spinal ligaments correlated to T1, T2, STIR sagittal, stacking and axial images. Anatomical MRI differentiation of normal, degenerative and traumatic changes.* New Jersey State Board of Chiropractic Examiners, American Academy of Medical-Legal Professionals, Hollywood, Florida, 2012

*Admissibility Standards of the Medical Expert in Traumas, Documentation requirements of the courts in a medical-legal case including causality, bodily injury and persistent functional losses, ethically reporting of functional loss as it pertains to the integrity of the joint and activities of daily living and implications of chronicity, reporting of normal findings, maximum medical improvement and the release of the patient in the medical-legal arena.* New Jersey State Board of Chiropractic Examiners, American Academy of Medical-Legal Professionals, Hollywood, Florida, 2012

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

*Accident Reconstruction: Terms, Concepts, and Definitions, The forces in physics that prevail in accidents to cause bodily injury. Quantifying the force coefficients of vehicle mass and force vectors that can be translated to the occupant and subsequently cause serious injury.* CMCS

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

Accident Reconstruction: Causality, Bodily Injury, Negative Acceleration Forces, Crumple Zones and Critical Documentation, *Factors that cause negative acceleration to zero and the subsequent forces created for the vehicle that get translated to the occupant. Understanding critical documentation of hospitals, ambulance reports, doctors and the legal profession in reconstructing an accident.* CMCS Post-Doctoral Division, New York Chiropractic Council, New York State Department of Education, Board for Chiropractic, Long Island, New York, 2010

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

Accident Reconstruction: Research, Causality and Bodily Injury, *Delta V issues correlated to injury and mortality, side impact crashes and severity of injuries, event data recorder reports correlated to injury, frontal impact kinematics, crash injury metrics with many variables and inquiries related to head restraints.* CMCS Post-Doctoral Division, New York Chiropractic Council, New York State Department of Education, Board for Chiropractic, Long Island, New York, 2010

Neurodiagnostics, Imaging Protocols and Pathology of the Trauma Patient, *An in-depth understanding of the protocols in triaging and reporting the clinical findings of the trauma patient. Maintaining ethical relationships with the medical-legal community.* CMCS Post-Doctoral Division, New York Chiropractic Council, New York State Department of Education Board for Chiropractic, Long Island, New York, 2010

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

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 force and bodily injury.* CMCS Post-Doctoral Division, New York Chiropractic Council, New York State Education Department Board for Chiropractic, Long Island, New York, 2010

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

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 (BER) and Visual-Electronystagmosgraphy (V-ENG) interpretation, protocols and clinical indications for the trauma patient*. CMCS Post- Doctoral Division, New York Chiropractic Council, New York State Education Department, Board of Chiropractic, Long Island, New York, 2010

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

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

Certification in Manipulation Under Anesthesia, MUA Research Institute, National Association of MUA Physicians, Texas Chiropractic College, Jersey City, New Jersey, 2010

Non-Invasive Pain Management Technique, *Didactic and practical examination in MUA procedure, neuropharmacology, anesthesia, multidisciplinary management, quality assurance, risk management*. MUA Research Institute, National Association of MUA Physicians, Texas Chiropractic College, Jersey City, New Jersey, 2010

Operating Room Procedures and Manipulation Under Anesthesia Proctorship, *Patient selection, operating room personnel and equipment, hospital protocol, and physical responsibilities, quality assurance, risk management, patient transfer and recovery room protocol*. MUA Research Institute, National Association of MUA Physicians, Texas Chiropractic College, Jersey City, New Jersey, 2010

Manipulation Under Anesthesia Protocol, Medical Necessity Documentation, *Proper pre- and post- MUA patient protocol, and has satisfactorily shown advanced ability in creating proper medical necessity, for performing the MUA procedure*. MUA Research Institute, National Association of MUA Physicians, Texas Chiropractic College, Jersey City, New Jersey, 2010

MRI History and Physics, *Magnetic fields, T1 and T2 relaxations, nuclear spins, phase encoding, spin echo, T1 and T2 contrast, magnetic properties of metals and the historical perspective of the creation of NMR and MRI.* CMCS Post-Doctoral Division, New York Chiropractic Council, New York State Department of Education, Board of Chiropractic, Terry Button, PhD. Medical Physicist, Long Island, New York, 2010

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

MRI Disc Pathology and Spinal Stenosis, *MRI interpretation of bulged, herniated, protruded, extruded sequestered and fragmented disc pathologies in etiology and neurological sequelae in relationship to the spinal cord and spinal nerve roots.* CMCS Post-Doctoral Division, New York Chiropractic Council, New York State Department of Education, Board for Chiropractic, Robert Peyster, MD, Neuroradiologist, Long Island, New York, 2010

MRI Spinal Pathology, *MRI interpretation of bone, intradural, extradural, cord and neural sleeve lesions. Tuberculosis, drop lesions, metastasis, ependymoma, schwannoma and numerous other spinal related tumors and lesions.* CMCS Post-Doctoral Division, New York Chiropractic Council, New York State Department of Education, Board for Chiropractic, Robert Peyster, MD, Neuroradiologist, Long Island, New York, 2010

MRI Methodology of Analysis, *MRI interpretation sequencing of the cervical, thoracic and lumbar spine inclusive of T1, T2, STIR and 3D gradient studies to ensure the accurate diagnosis of the region visualized.* CMCS Post-Doctoral Division, New York Chiropractic Council, New York State Department of Education, Board for Chiropractic, Robert Peyster, MD, Neuroradiologist, Long Island, New York, 2010

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

Interpreting Spinal Trauma MRI's, *Multiple module certificate course focusing on spinal trauma MRI's covering the history of imaging, normal MRI spinal anatomy, abnormal variants, imaging of the post-surgical spine and spinal lesions.* New York Chiropractic College Post Graduate Division, Bloomfield, New Jersey, 2007, 2008

Crash 2006, *State of the art methods of motor vehicle crash forensic risk analysis, including principles of auto crash reconstruction, human subject crash testing, pedestrian crash reconstruction, the latest human anatomical research and injury biomechanics, current methodologies and strategies in injury prevention using design engineering, motor vehicle injury*

*diagnostics and non-invasive and invasive clinical management methods, pain management.* Spine Research Institute of San Diego, San Diego, California, 2006

*Whiplash and Brain Injury Traumatology, A comprehensive training program in whiplash and brain injury traumatology, emphasizing the biomechanics of injury mechanism, occupant kinematics, automobile crash reconstruction methods, the most current knowledge of soft tissue, endocrinological, bony, and nervous system disorders, advance imaging techniques, and the comprehensive case management of whiplash and related disorders.* Spine Research Institute of San Diego, Fort Lauderdale, Florida, 2005

*Biomechanics, Injury Mechanisms, Epidemiology. A fact-based and science-based comprehensive overview of the state-of-the-art in forensic science for health providers. Requisite and comprehensive biomechanics knowledge for clinicians and forensic experts. Whiplash and brain injuries. The minimal property damage=minimal injury risk myth exposed. In-depth analysis of brain, neck and cervical spine trauma mechanisms. Soft tissue injuries: a comprehensive and cutting edge analysis. All other clinical syndromes and conditions resulting from whiplash. What clinicians and forensic experts need to know about the various pain syndromes. Risk assessment: the fundamental key to advance personal injury practice.* Spine Research Institute of San Diego, Fort Lauderdale, Florida, 2005

*Management Principles, An in-depth training on all aspects of management of trauma, from beginning to end; a comprehensive primer on crash reconstruction. Auto crash reconstruction in low speed crashes. Critical documentation in personal injury and forensic medicine applications. Comprehensive physical examination of whiplash, traumatic brain injury, and other syndromes. Special laboratory methods. The latest radiographic and other imaging methods and analysis techniques. CT examination of brain and soft tissue injuries. MRI examination of brain and soft tissue injuries; the latest techniques. Special diagnostic imaging modalities (SPECT, PET, fMRI, MRA, VF, etc). Designing a treatment plan and living with guidelines. Chiropractic manipulation, deep tissue massage, ancillary and PT modalities for best outcomes. Outcome assessment tools.* Spine Research Institute of San Diego, Fort Lauderdale, Florida, 2005

*Principles of Impairment, Writing, and Expert Documentation, What every personal injury and forensic expert needs to know. The fundamentals of expository scientific writing. The essential craft of narrative report preparation: style, strategy, methods, organization, and common pitfalls. Incorporating outcomes assessment and disability instruments into your reports. The application of AMA guidelines in personal injury and forensic practice,* Spine Research Institute of San Diego, Fort Lauderdale, Florida, 2005

*Medical-Legal Fundamentals for Practitioners and Experts, Essentials of documentation and record keeping. Medical photography: when to use it and incorporate it into your work. Depositions, arbitrations, testimony, and cross-examination. Using models, charts, diagrams, photos, etc.* Spine Research Institute of San Diego, Fort Lauderdale, Florida, 2005

*Annual Scientific Conference, A review of the entire year of scientific research and publications from the diverse fields of clinical medicine, automotive safety engineering, SRISD, the Center for*



*Research into Automotive Safety and Health, the National Library of Medicine, the Annual Association for the Advancement of Automotive Medicine (AAAM) Scientific Program, the Annual Conference of the International Research Council on the Biomechanics of Impact (IRCOBI), the Annual SAE Stapp Car Crash Conference, the Annual International Traffic Medicine Association (ITMA) Conference, and the Annual International Technical Conference on the Enhanced Safety of Vehicles (ESV). Spine Research Institute of San Diego, San Diego, California, 2004*

Certification in Peer Review, New York College of Chiropractic, Somerset, New Jersey, 1999

Certified Chiropractic Insurance Consultant (C.C.I.C.), New York College of Chiropractic, Somerset, New Jersey, 1999

Certification in Ancillary Diagnostic Testing Essentials, New York College of Chiropractic, Somerset, New Jersey, 1999

Certified Independent Medical Examiner, New York College of Chiropractic, Somerset, New Jersey, 1999

Certification in the diagnosis and Clinical management of Cervical Acceleration/Deceleration Trauma and Whiplash Related Temporomandibular Joint Disorders, Spine Research Institute of San Diego, Long Island, New York, 1998

Certification in Managed Care Protocols & Utilization Review, New York College of Chiropractic, Seneca Falls, New York, 1996

Certification in Adjunctive Procedures, National College of Chiropractic, Valley Forge, Pennsylvania, 1984

Certification in the Evaluation and Rating of Permanent Impairment, Los Angeles College of Chiropractic, Long Island, New York, 1983

Diplomate National Board of Chiropractic Examiners, 1981

## **SELECTED MEMBERSHIPS**

Association of New Jersey Chiropractors, Member, 2006-present

American Chiropractic Association, Member, 1992-present