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# CURRICULUM VITAE

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

#### MRI Spine Interpretation and Spinal Biomechanical Engineering-Primary Spine Care,

Correlating spinal biomechanics secondary to trauma and MRI findings inclusive of herniation, bulging, protruded and extruded discs. Correlating co-efficient of forces translated form the bullet vehicle to the target vehicle to the occupant in determining causality of bodily injury. Academy of Chiropractic, PACE approved for the Federation of Chiropractic Licensing boards, Texas Chiropractic College, Las Vegas, NV, 2015

# Evidence Based Interprofessional Collaboration- Primary Spine Care,

Chiropractic as primary spine care based upon the literature conclusions and the documentation requirements to support those conclusions in an ethical collaborative environment inclusive of hospitals, emergency rooms, primary care medical doctors and medical specialists. Academy of Chiropractic, PACE approved for the Federation of Chiropractic Licensing boards, Texas Chiropractic College, Las Vegas, NV, 2015

# Contemporary Literature Review of the Chiropractic Adjusting Mechanisms- Primary Spine Care,

The latest scientific evidence of the effects of the chiropractic spinal adjustment on he central nervous system, both upper and lower motor neurons. A comparative analysis of chiropractic vs. other modalities and therapies. Academy of Chiropractic, PACE approved for the Federation of Chiropractic Licensing boards, Texas Chiropractic College, Las Vegas, NV, 2015

# Medicolegal Issues; Fundamentals for Practitioners and Forensic Experts,

Foundations for successful outcome in medicolegal cases. Preparing for depositions, arbitration, and court. Use of demonstrative evidence. Learn the common pit falls and how to avoid them. How to take advantage of your opponent's weaknesses. Total confidence in all medicolegal proceedings. Art C. Croft, D.C (Spine Research Institute of San Diego) 2014

# Narrative Report Writing and Practice Development; Principles of Impairment Rating and Forensic Documentation,

Comprehensive and compelling narrative report construction. How to avoid common mistakes and pitfalls. The latest cutting edge techniques and rebuttal strategies. Today's critical forensic documentation skills and impairment requirements. Art C. Croft, D.C (Spine Research Institute of San Diego) 2014

# Advanced Diagnostics, Treatment & Auto Crash Reconstruction; Management Principles in Personal Injury,

Critical history taking and physical examination skills. Radiographic and advanced imaging, including CT, MRI, scintigraphy, PET, SPECT and others. Electrodiagnostic testing and their applications in whiplash. Therapeutic approaches to successful management of whiplash and mild traumatic brain injuries and risk analysis II. Art C. Croft, D.C (Spine Research Institute of San Diego) 2014

Advanced Topics; The Fundamental Science, In Depth review of our current state of knowledge of whiplash phenomenon, including all factors affecting injury risk and outcome. In-depth biomechanics, traumatology, epidemiology, review of outcome studies, and common sequelae of whiplash, including brain injuries, pain syndromes, thoracic outlet syndrome, carpal tunnel syndrome, chronic pain disorders and risk analysis 1. Art C. Croft, D.C (Spine Research Institute of San Diego) 2014 **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*. [New York], 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, 2014

**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.* [New York], 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, 2014

**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.* [New York], Board for Chiropractic, 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, 2014

**MRI Spinal Pathology**, *MRI interpretation of bone, intradural, extradural, cord and neural sleeve lesions. Tuberculosis, drop lesions, metastasis, ependymoma, schwanoma and numerous other spinal related tumors and lesions.* ACCME Joint Sponsorship with the State University of New York at Buffalo, School of Medicine and Biomedical Sciences, Buffalo, NY, 2014

**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, [New York], 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, 2014

**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.* [New York], Board for Chiropractic, 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, 2014

**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.* [New York], 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.* [New York], 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.* [New York], 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.* [New York], 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. [New York], 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. [New York],

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 kinesiopathology, myopathology, neuropathology, and pathophysiology in both a functional and structural paradigm. [New York], Academy of Chiropractic Post Doctoral Division, Long Island, NY, 2013

**Documentation, Patient Communication, Ethics and the Law**, *The integration and understanding of the application of regulations and the documentation required to satisfy* Billing & Coding for Medicare, California Chiropractic Association – 2013 **Radiographic Diagnosis**, *Case studies and how to decide which diagnostic imaging technique is appropriate. How to initially scan a radiograph to separate normal from abnormal. When a finding is suspicious refer for a more specialized review and interpretation,* Back to Chiropractic Live Seminars - 2013

**Diagnostic Imaging, Radiologic Diagnosis**, *Review of plane film, MRI and CT scan in consideration of patient history and complaint. When and why to order advanced diagnostic imaging.* Ethics, Law & Technique, Tong & Associates- 2013

Chiropractors & Hospitals Working in the New Health Care System, Better Results for Patients & Practice: Treatment Plans for Chiropractic Injuries Hospital Privileges for Chiropractic Doctors, Chiropractic Hospital Privileges Hospital Structure, Rules and Regulations, Chiropractic and Medicine, Legal Issues in Chiropractic Hospital Privileges, Fundamentals of Establishing Operating a Chiropractic Hospital Program, Innercalm Associates - 2013

Diplomate – American Academy of Medical Legal Practitioners, 2013

#### Innercalm Associates -

Common Sports Injuries: Diagnosis, Treatment & Nutrition – 2012

**Diverse Seminar with Radiography**, *MRI Principles Procedures and Interpretation*, Doctor-Patient Communications, *Effectively communicating patient findings, care protocols and treatment goals along with the explanation of potential complications of the necessity for referrals* & Technique – International Chiropractors Association of California 2011

**Advanced Insurance Seminar** – Documentation of Medical Necessity & Compliant SOAP Note-Taking Preventing Audits & Medicare, *Cross-linking ICD-9 and CPT codes in the correct coding format. Understanding the use of modifiers, correct coding initiatives and cross-coding parameters in documenting treatment accurately,* HJ Ross 2011 **Diverse Adjustive Technique, X-Ray Technologists Certification**, 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, – International Chiropractors Association of California 2011

**Documentation and Triage in Trauma**, *ICD-9 and CPT requirements in coding for the traumatically injured, including integrating informed consent, evaluation and management, 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,* Human Biomechanics of Trauma, Patient Trauma Care, Steven Eggleston, D.C., Esq.- 2010

**Biomechanics of Low-Speed Impacts**: Injury Mechanisms, Injury Guidelines for the Cervical Spine, *Procedures and modalities for the injured. Protocols and utilization guidelines for cervical spine injuries, including physical rehabilitation* - University of California Riverside 2009

#### International Chiropractors Association of California –

Diverse Seminar, X-Ray Technologists Certification, Personal Injury, Adjustive Technique – 2009

Shawn Steele Advanced PI Seminar – Effective Personal Injury Management – 2009

Shawn Steele Advanced PI Seminar –

Traumatic Brain Injury – 2009

**Documentation of Medical Necessity & Compliant SOAP Note-Taking** Preventing Audits & Medicare, *Cross-linking ICD-9 and CPT codes in the correct coding format. Understanding the use of modifiers, correct coding initiatives and cross coding parameters in documenting treatment accurately* - HJ Ross Company - 2009

Cleveland Chiropractic College – Tong & Associates –

X-Ray Case Presentation and Integrated Adjustive Techniques – 2008

#### Life Chiropractic College West -

Practice Made Perfect - 2007

#### Innercalm Associates –

X-ray Quality Images, Case Studies, Evaluations & Treatment Plans – 2006

#### Innercalm Associates –

X-ray Practical Tips and Case Studies – 2006

#### International Chiropractors Association of California –

X-Ray Technologists Certification, Worker's Compensation, Adjustive Technique – 2005

Innercalm Associates – Working With The ACOEM Guidelines – 2005

### Innercalm Associates -

Chiropractic Treatment to Overcome Patients Pain & Health Hazards – 2004

Cleveland Chiropractic College & Innercalm Associates –

Nutrition – The Inside Out of Chiropractic – 1999

**Life Chiropractic College West** – International Chiropractors Association 4<sup>th</sup> Annual Membership Convention – 1998

# **Life Chiropractic College West –** International Chiropractors Association 3<sup>rd</sup> Annual Membership Convention – 1997

**California Chiropractic Foundation –** Disability Evaluation – 1991

Chiropractic Biophysics Certification Seminars –

Spinal Coupling, Postural Measurements, Radiographic Analysis, Bone Physiology, Nerve Physiology and Pathology of Subluxation – 1990

California Chiropractic Association – Qualified Medical Examiner – 1990

# Southern California College of Chiropractic –

Blair Upper Cervical Technique – 1990

Cleveland Chiropractic College – Los Angeles, California – Bachelor of Science – Human Biology – 1983

Santa Monica City College - 1983

Cleveland Chiropractic College – Los Angeles, California – Doctor of Chiropractic -1979 – 1982

Kingsborough College – Brooklyn, New York - 1975 – 1978

**F.I.T.** – New York City, New York – 1974 – 1975

Brooklyn College – Brooklyn, New York – 1973 – 1974

# SELECTED HONORS AND AWARDS:

California Chiropractic Association – Doctor of the Year – 1989

**President California Chiropractic Association** – Southwest – 1989

**Robert Botterman Award for Outstanding Service to the Community** – 1990

Friend of the YMCA – Sepulveda Blvd.- Torrance, Ca – 2002

Health Awareness Award – American Chiropractic Association – 1998

#### Rotarian of the Year - 1994

## D.A.R.E. Contributor - 1991

Health Awareness Award – American Chiropractic Association – 1988

Who's Who in California – Sixteenth Edition – 1986 - 1987

# SPECIALITIES:

Diplomate California Board of Chiropractic Examiners

Chiropractic Biophysics Certificate

Pettibon Spinal Rehabilitation Specialist

Disability Evaluator

Certified Nutritional Specialist - Oasis

Kinesiology and Sports Rehabilitation Specialist

Weiss M., Studin M., **(2015)** Neck Pain (Torticollis), Headaches, Dizziness, Radiating Pain, Nausea, depression, Confusion, Ringing in the Ears Show Good Outcomes With Chiropractic Care, Retrieved from: <u>http://uschirodirectory.com/research/item/742-neck-paintorticollis-,-headaches,-dizziness,-radiating-pain,-nausea,depression,-confusion,-ringing-in-the-ears-show-good-outcomes-withchiropractic-care.html</u>

# SOCIETIES/MEMBERSHIPS:

Cleveland Chiropractic College Ambassador Society

Los Angeles County Chiropractic Society H.O.P.E. Day – 1991

International Chiropractic Association Member

California Chiropractic Association Member

Rotary International

Lions Club

Commissioner – Redondo Beach Recreation Department – 1995-1998

Alta Vista School Site Counsel – Redondo Beach, Ca – 1993-1994

## WORK HISTORY:

1985 to Present

Weiss Chiropractic, Inc. 2410 Torrance Blvd. Suite D Torrance, Ca 90501

1983 – 1985

McGowan Chiropractic 1300 South Pacific Coast Hwy Redondo Beach, Ca 90277

## California License Number: DC15479