

Peter Zilahy, DC, LAc, FPSC, DABCO

FORENSIC SPINE EXPERT WITNESS - SELECTED CURRICULUM VITAE

Selected credentials relevant to spinal trauma, MRI, biomechanics, causation, impairment, and medical-legal analysis
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PROFESSIONAL PROFILE

Doctor of Chiropractic and Fellow in Primary Spine Care with extensive clinical experience in spine injury evaluation and advanced postgraduate training in MRI spine interpretation, spinal biomechanics, ligament injury, traffic crash investigation, vehicle dynamics, impairment, and medical-legal documentation. Forensic work integrates collision mechanics, objective clinical findings, diagnostic imaging, pre-existing pathology, and longitudinal clinical course in the analysis of medical causation.

LITIGATION / TESTIMONY HISTORY

Selected trial, arbitration, and deposition history presented first for attorney review.

Expert Witness - Trial & Arbitration

07/15/2022	ARBITRATION Superior Court of Waterbury, CT Docket No. UWY-CV22-6066455-S — ELLIS, JADA v. TRAVELERS d/b/a THE STANDARD FIRE INSURANCE COMPANY
11/18/2022	ARBITRATION Superior Court of Waterbury, CT Docket No. UWY-CV22-6067420-S — MERRILL, KATHERINE v. URENA, SADIA INES
03/20/2025	ARBITRATION Superior Court of Waterbury, CT Docket No. HHD-CV21-6144344-S — MAESTRINI, DAVID v. MORIARTY, LENA K E (source also lists 03/22/2024)
07/15/2026	TRIAL Superior Court, Judicial District of New Haven Docket No. NNH-CV-23-6131256-S — ORTIZ, LYNETTE v. KULESZA, JOSEPH

Expert Witness - Deposition Testimony

07/15/2022	DEPOSITION Superior Court of Waterbury, CT Docket No. UWY-CV22-6066455-S — ELLIS, JADA v. TRAVELERS d/b/a THE STANDARD FIRE INSURANCE COMPANY
11/18/2022	DEPOSITION Superior Court of Waterbury, CT Docket No. UWY-CV22-6067420-S — MERRILL, KATHERINE v. URENA, SADIA INES
01/07/2025	DEPOSITION Superior Court of Waterbury, CT Docket No. HHD-CV21-6144344-S — MAESTRINI, DAVID v. MORIARTY, LENA K E (source also lists 03/22/2024)

Treating Doctor - Trial & Arbitration

Date not specified	TRIAL Superior Court of Waterbury, CT Docket No. UWY-CV-08-5010745-S — Judge Mihalkos; Attorney Renehan; Darlene Gunther
05/28/2015	TRIAL Superior Court, Judicial District of Litchfield Docket No. LLI-CV14-6010861-S — GUISEPPE CAPUANO v. ROBERT METCOFF
10/15/2015	TRIAL Superior Court of Waterbury, CT Docket No. UWY-CV15-6027678-S — JOSHAL QUEZADA v. HYOSUNG PARK
11/08/2016	TRIAL Superior Court of Waterbury, CT Docket No. UWY-CV13-6021024-S — PILICY, JUDITH v. TONNING, ALEXANDER et al.
04/17/2017	ARBITRATION Connecticut Docket No. UWY-CV16-6032448-S — QUEZADA, JOSHAL et al. v. DIMAIO, GINO — Award: \$89,202
03/08/2018	TRIAL Superior Court of Waterbury, CT Docket No. UWY-CV16-6032352-S — PRASKIEVICZ, ROBERT v. GRABOWS, AGATA et al.
06/15/2022	ARBITRATION Superior Court of Waterbury, CT Docket No. UWY-CV20-6057171-S — CURTISS, DAVID v. ALEX BOATENG; ERIC BOATENG
10/21/2022	ARBITRATION Superior Court of Waterbury, CT Docket No. UWY-CV21-6059417-S — ALVAREZ, ALEXANDER v. RONG WU

01/27/2023	ARBITRATION Superior Court of Waterbury, CT Docket No. UWY-CV21-6059845-S — RUSSEL, MICHAEL v. LIN, JENNY et al.
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Treating Doctor - Deposition Testimony

11/08/2016	DEPOSITION Superior Court of Waterbury, CT Docket No. UWY-CV13-6021024-S — PILICY, JUDITH v. TONNING, ALEXANDER et al.
02/20/2018	DEPOSITION Superior Court of Waterbury, CT No. UWY-CV16-6C32051-S — CHRISTINA COMPUTZZI, PLAINTIFF v. THOMAS P. DEFILIPPO
03/08/2018	DEPOSITION Superior Court of Waterbury, CT Docket No. UWY-CV16-6032352-S — PRASKIEVICZ, ROBERT v. GRABOWS, AGATA et al.
01/05/2023	DEPOSITION Superior Court of Waterbury, CT Docket No. UWY-CV-2—6057776-S — JANET CORTORREAL v. JOSEPH SIMONE, IV

SELECTED OCCUPATIONAL / FORENSIC EXPERIENCE

Chiropractor/Owner, Zilahy Chiropractic Office DBA Accident and Injury Care, Watertown, CT, 1977 — Present
Medical Practice Associate, St. Mary’s Hospital Department of Medicine, Waterbury, CT, 2004 — 2020
Independent Medical Examiner, Exam Coordinators Network, Watertown, CT, 2003

EDUCATION AND LICENSURE

Doctor of Chiropractic, Licensed in the State of Connecticut, License # CT00172, 1976-Present
Doctor of Chiropractic, Licensed in the State of Alabama, License # 2826, 2023-Present
Acupuncturist, Licensed in the State of Connecticut, License #000282, 1998-Present
Doctor of Chiropractic (DC), Palmer College of Chiropractic, Summa Cum Laude, Davenport, Iowa, 1976
National Board of Chiropractic Examiners, Part II, 1976
National Board of Chiropractic Examiners, Part I, 1976
Undergraduate studies in Mechanical Engineering, Newark College of Engineering, Newark, New Jersey, 1969 — 1970
BA in Biology, Cum Laude, Rutgers University, Newark, New Jersey, 1973

FORENSIC, SPINE, MRI AND BIOMECHANICAL QUALIFICATIONS

Mini-Fellowship in Advanced MRI Spine Interpretation, Cleveland University — Kansas City,
Fellow, Primary Spine Care (FPSC), 2023. Two-year postgraduate program encompassing spinal trauma, advanced imaging, electrodiagnostics, spinal biomechanics, ligament pathology, triage, collaborative care, and evidence-based spine management; joint providership involving the State University of New York at Buffalo Jacobs School of Medicine and Biomedical Sciences and Cleveland University-Kansas City.
Mini-Fellowship in Neuroradiology MRI Spine Interpretation, Cleveland University — Kansas City, 2022
Mini-Fellowship in Musculoskeletal Radiology - MSK Extremity Imaging, Cleveland University — Kansas City, 2022
MRI Interpretation Review Qualified, Cleveland University-Kansas City, 2021; postgraduate MRI coursework provided in conjunction with the State University of New York at Buffalo Jacobs School of Medicine and Biomedical Sciences.
Primary Spine Care Qualified, 2021. Postgraduate training in traumatically altered spinal morphology, osseous and connective-tissue pathology, neurological structure and function, spinal biomechanics, triage, and collaborative care.
Trauma Qualified — Cleveland University, Kansas City, 2024-Present
Traffic Crash Investigation 1, Northwestern University Center for Public Safety, 2021
Traffic Crash Investigation 2, Northwestern University Center for Public Safety, 2021
Vehicle Dynamics, Northwestern University Center for Public Safety, 2023

ACADEMIC APPOINTMENTS AND TEACHING

Adjunct Assistant Professor of Clinical Sciences, Cleveland University-Kansas City, College of Chiropractic, 2024-Present
Adjunct Assistant Professor of Clinical Services, Clinical Supervision, University of Bridgeport, College of Chiropractic, Bridgeport, Connecticut, 1997- Present
Professor of Orthopedics, Clinical Orthopedics, University of Bridgeport, College of Chiropractic, Bridgeport, Connecticut, 1992 - 1996
Instructor, Rehabilitation of the Spine, New York Chiropractic College, Hartford, Connecticut, 1989 - 1990
Instructor, Motion palpation of the spine and extremities, Motion Palpation Institute, New York, New York, 1983 — 1990

SELECTED POSTGRADUATE EDUCATION RELEVANT TO FORENSIC SPINE ANALYSIS

Advanced Mini Fellowship in MRI Spine Interpretation, The identification of intradural tumors within the thecal sac and extradural tumors located outside of the thecal sac. Meningioma and Schwannomas were identified as part of the tumor panel. Determining epidural veins as space- occupying lesions vs. herniations and extramedullary tumors. Academy of Chiropractic Post- Doctoral Division, Cleveland University Kansas City, College of Chiropractic, Long Island, 2024
Advanced Mini Fellowship in MRI Spine Interpretation, Spinal disc herniation variations visualized on MRI, and 3D MRI. Determining protrusions, extrusions-comminuted, extruded- sequestered, focal, and broad-based type herniations. Identifying concentric, transverse, and radial annular fissures in an acute vs. chronic patient. Academy of Chiropractic Post-Doctoral Division, Cleveland University Kansas City, College of Chiropractic, Long Island, 2024

Advanced Mini Fellowship in MRI Spine Interpretation, Describing the magnetic resonance imaging (MRI) appearances in patients with a clinical history suggestive of vertebral osteomyelitis and discitis who underwent MRI very early in their clinical course. Visualizing non-specific endplate subchondral changes in the infectious stage. Academy of Chiropractic Post- Doctoral Division, Cleveland University Kansas City, College of Chiropractic, Long Island, 2024

Advanced Mini Fellowship in MRI Spine Interpretation, Utilizing advanced Imaging as a critical role in the evaluation of clinically suspected cases of myelopathy and MR imaging (with or without contrast). Identifying compressive causes must be excluded as a cause of myelopathy. Understanding the most common imaging appearance is a nonspecific T2 hyperintense signal in the spinal cord, and thus, a pragmatic diagnostic approach, along with appropriate clinical and biochemical correlation, is essential for arriving at an accurate diagnosis. Academy of Chiropractic Post-Doctoral Division, Cleveland University Kansas City, College of Chiropractic, Long Island, 2024

Advanced Mini Fellowship in MRI Spine Interpretation, Determining blind spots in imaging. Based on multiple studies in radiology have also found that detection errors are more common than interpretive errors. This is especially relevant to spine imaging, where differential diagnoses for perceived abnormalities tend to be less complex than those for brain imaging. As an extraspinal finding may be more serious than the original study indication, making detection even more important, scout images are visualized to help conclude an accurate diagnosis. Academy of Chiropractic Post-Doctoral Division, Cleveland University Kansas City, College of Chiropractic, Long Island, 2024

Advanced Mini Fellowship in MRI Spine Interpretation, Determining MRI contraindications. Understanding the complications of cardiac implantable devices, metallic intraocular foreign bodies, cochlear implants, drug infusion pumps, catheters, metallic fragments, cerebral artery aneurysm clips, magnetic dental implants, tissue expanders, artificial limbs, hearing aids and piercings as contraindications. Academy of Chiropractic Post-Doctoral Division, Cleveland University Kansas City, College of Chiropractic, Long Island, 2024

Primary Spine Care 17, MRI Spine Ancillary Tumor Detection and Advanced Imaging Stroke Detection, Spinal imaging techniques to assess spinal structures and detect abnormalities. The sequences also identify ancillary findings such as renal, ovarian, extradural, and intradural tumors. Careful evaluation of spinal MRIs can reveal critical pathologies beyond musculoskeletal issues. Analyzing the morphology of the abdominal aorta to determine potential stroke risks. Cleveland University Kansas City, Chiropractic and Health Sciences, 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, Long Island, NY, 2025

Primary Spine Care 17, Analyzing Spinal Pathobiomechanics, Identifying and diagnosing spinal segmental lesions in the facet, joint capsules involving ligamentous mechanoreceptors, and spinal proprioceptors. The central segmental motor control mechanism with upper motor neuron involvement with disparate efferent effects and demonstrative diagnostic tools to differentially diagnose the primary lesion. The statistical outcome of treating biomechanical spinal lesions. Cleveland University Kansas City, Chiropractic and Health Sciences, 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, Long Island, NY, 2025

Primary Spine Care 17, Spinal Biomechanical Pathology, Identifying and diagnosing spinal segmental lesions in the facet, joint capsule involving ligamentous mechanoreceptors, and spinal proprioceptors. The central segmental motor control mechanism with upper motor neuron involvement with disparate efferent effects and demonstrative diagnostic tools to differentially diagnose the primary lesion. The statistical outcome of treating biomechanical spinal lesions. Cleveland University Kansas City, Chiropractic and Health Sciences, 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, Long Island, NY, 2025

Primary Spine Care 17, Advanced Credential Reporting, creating a professional bio and CV, essential for establishing credibility in the medical-legal field. Incorporating outcome statistics from cases helps demonstrate your work's real-world impact, especially in the medical legal

Primary Spine Care 17, Age-Dating Herniated Disc via MRI and X-Ray, Utilizing the evidence in the literature to age-dating spinal herniated discs and trauma. Including interpreting X-rays, MRIs in T1, T2, STIR and Fat Saturation sequences, and other imaging alongside understanding the evidence of joint pathology. Being able to collaborate with physicians or as a medical-legal expert. Accurate age-dating helps establish a prognosis for patient recovery. The process must be grounded in evidence-based rationale to ensure reliability. Mastering this skill enhances both clinical decision-making and legal credibility. Cleveland University Kansas City, Chiropractic and Health Sciences, 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, Long Island, NY, 2025

Primary Spine Care 17, Clinical Grand Rounds in Primary Spine Care, Clinical Grand Rounds for a case involve assessing disc, ligament, and spinal pathology. The process includes establishing a diagnosis, determining the prognosis, and developing a treatment plan. Special attention is given to conditions such as cord edema, myelomalacia, myelopathy, and tethered cords. Utilizing follow-up examinations as a step in crucial in refining the diagnosis and treatment approach. Adjustments to the treatment plan are made as new clinical findings emerge. This ensures that patient care remains dynamic and responsive to evolving spinal conditions. Cleveland University Kansas City, Chiropractic and Health Sciences, 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, Long Island, NY, 2025

Primary Spine Care 16, Trends in Triage and Diagnosing Spinal Pathology, Diagnosing and demonstrative reporting of the spinal cord, nerve root, thecal sac, disc recurrent meningeal nerve, myelomalacia, myelopathy, fracture, chemical radiculitis, and connective tissue pathologies, and osseous compression of nociceptors. Collaborative care with medical specialists on spinal pathology and medical-legal reporting requirements. ACCME Joint Providership with the State University of New York at Buffalo Jacobs School of Medicine and Biomedical Sciences, PACE Approved for the Federation of Chiropractic Licensing Board, Academy of Chiropractic Post-Doctoral Division, Long Island, NY, 2024

Primary Spine Care 16, MRI Spine Interpretation, Identifying and diagnosing spinal disc pathologies: bulged, herniated, protruded, extruded-communited, extruded-sequestered. MRI sequence protocols: T1, T1 fat saturation, T2, T2 fat saturation, STIR, proton density, fast spin echo, echo gradient, coronal, sagittal and axial. Triage of disc pathologies and collaborative care. ACCME Joint Providership with the State University of New York at Buffalo Jacobs School of Medicine and Biomedical Sciences, PACE Approved for the Federation of Chiropractic Licensing Board, Academy of Chiropractic Post-Doctoral Division, Long Island, NY, 2024

Primary Spine Care 16, Spinal Biomechanical Pathology, Identifying and diagnosing spinal segmental lesions in the facet, joint capsule involving ligamentous mechanoreceptors, and spinal proprioceptors. The central segmental motor control mechanism with upper motor neuron involvement with disparate efferent effects and demonstrative diagnostic tools to differentially diagnose the primary lesion. The statistical outcome of treating biomechanical spinal lesions. ACCME Joint Providership with the State University of New York at Buffalo Jacobs School of Medicine and Biomedical Sciences, PACE Approved for the Federation of Chiropractic Licensing Board, Academy of Chiropractic Post-Doctoral Division, Long Island, NY, 2024

Primary Spine Care 16, Incidental Tumors and Pathology Visualized on MRI Spine Images, Identifying and diagnosing Schwannomas, Adenomas, Fibroid Leiomyomas and Uterine Sarcomas, Renal Cell Tumors, Renal Cysts, and Aortic Aneurysms. The physics of T1, T1 fat saturation, T2, T2 fat saturation, STIR, proton density, fast spin echo, echo gradient, coronal, sagittal, and axial. CT Hounsfield units and diagnosing tumors. ACCME Joint Providership with the State University of New York at Buffalo Jacobs School of Medicine and Biomedical Sciences, PACE Approved for the Federation of Chiropractic Licensing Board, Academy of Chiropractic Post-Doctoral Division, Long Island, NY, 2024

Primary Spine Care 16, Documentation, Diagnosis and Reporting on Medical-Legal Trauma Cases, Determining and documenting the history of proximate cause, how to demonstratively document pain, weakness, and numbness using evidence-based protocols. The demonstrative documentation of MRI spine pathology and being able to differentially diagnose previous vs current pathology in prognosing permanencies. The clinical correlation of causality, demonstrative bodily injury, and persistent functional losses using emotional intelligence. ACCME Joint Providership with the State University of New York at Buffalo Jacobs School of Medicine and Biomedical Sciences, PACE Approved for the Federation of Chiropractic Licensing Board, Academy of Chiropractic Post-Doctoral Division, Long Island, NY, 2024

Primary Spine Care 16, Spinal Disc Morphology, and Chronicity of Disc Pathology, Spinal disc morphology of lamellar tracts and fiber orientation, the non-uniformity of discal zones with the chemical content of each. How Proteoglycans and Aggrecans are integral in disc hydration and age-dating pathology. Understanding the vascularization of the osseous endplate, cartilaginous end-plate, and disc from birth through puberty is essential to accurately diagnosing disc pathology. Being able to relate disc herniations to end-plate fractures with central herniation and clinically correlating it to chronic back pain. ACCME Joint Providership with the State

Vehicle Dynamics, Northwestern University Center for Public Safety (NUCPS), Evanston, IL, An advanced study in the application of mathematics and physics to traffic crash reconstruction. This course builds upon foundational knowledge from Math & Physics Review for Crash Reconstruction, focusing on mechanics, Newton's Laws of Motion, equations of motion, vehicle braking, drag factors, coefficients of friction, momentum (collinear), and time-distance analysis, 2023

MRI Spine Advanced Clinical Case Grand Rounds, Clinical case review of MRI including intra and extra-dural findings inclusive of the disc and vascular anatomical lesions. Differentially diagnosing central cord lesions, and spinal cord vascular lesions in both acute trauma and degenerative presentations. Cleveland University Kansas City, 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, Long Island, NY, 2022

Non-Specific Spine Pain, Chiropractic and Outcomes, Analyzing neuro-biomechanical pathological lesions defines primary spinal lesions and removes the dogma of non-specific back pain. Creating evidence-based demonstrative documentation in the creation of treatment plans. Cleveland University Kansas City, 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, Long Island, NY, 2022

Age-Dating Ligament/Connective Tissue Physiology and Pathology, Utilizing pain patterns, the high signal in the annulus, high signal outside the annulus, Modic changes, disc height, vacuum disc, sclerosis, Phirman rating, facet edema, and previous MRIs to determine the chronicity of pathology. Master-Class in ligaments; anatomy, physiology, vascularization, neurological innervation, tissue repair, and how they all relate to clinical practice. Ligament pathology correlating to the mechanisms of patho-neuro-biomechanical lesions (vertebral subluxation complex). Also, how ligaments play a critical role in the chiropractic spinal adjustment and in defining the chiropractic spinal adjustment mechanisms. Cleveland University Kansas City, 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, Long Island, NY, 2022

Clinical Grand Rounds in Biomechanics, Digitizing, and Advanced Imaging: Case reviews concluding and accurate diagnosis, prognosis, and treatment plan utilizing evidence-based instrumentation and algorithms. Using demonstrative reporting of case findings to collaborate with co-treating physicians. Cleveland University Kansas City, 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, Long Island, NY, 2022

Medical-Legal Documentation: A documentation discussion on meeting the requirements of the courts, carriers, and licensure boards in complete and accurate reporting. Ensuring the diagnosis, prognosis, and treatment plan are demonstratively documented. Cleveland University Kansas City, 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, Long Island, NY, 2022

Mini-Fellowship in Musculoskeletal Radiology - MSK Extremities, Identifying arthritis, advanced cartilage pathology, rotator cuff tears, labral tears, tendon injuries and degeneration, meniscal tears, ligamentous injuries, common fractures, sports related injury patterns, and plantar fasciitis in both upper and lower extremities. Cleveland University Kansas City, 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, Long Island, NY, 2022

Mini-Fellowship in Musculoskeletal Radiology — MSK Extremities — Clinical Research, Contemporary literature based evidence with rheumatoid, osteo, spondylar, gouty, and Psoriatic arthritides, advanced cartilage pathology, rotator cuff tears, labral tears, tendon injuries and degeneration, meniscal tears, ligamentous injuries, common fractures, sports related injury patterns, and plantar fasciitis in both upper and lower extremities. Cleveland University Kansas

Mini-Fellowship in Neuroradiology — MRI Spine — Part 1, Evidence-based studies in Modic Changes, Disc and Referred Pain, MRI and Cervical Musculature, Kinetic MRI Images, Neurological Innervation, MRI and Injury Mechanisms, Discogenic Pain, Annular Tears and Fissures, Asymptomatic Herniations. Cleveland University Kansas City, 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, Long Island, NY, 2022

Mini-Fellowship in Neuroradiology — MRI Spine — Part 2, Identify and oral examination of 60 MRI sequences (over 2500 images) of disc bulges, circumferential, radial, and transverse fissures, varices, and herniations inclusive of the following types: protrusion, extrusions (sequestered and migrated/comminuted extrusions). MRI sequencing for accurate interpretation with contemporary nomenclature and reporting. Cleveland University Kansas City, 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, Long Island, NY, 2022

Mini-Fellowship in Neuroradiology-MRI Spine -Part 3, Clinically correlate history, clinical findings, and advanced spinal imaging to conclude an accurate diagnosis, prognosis, and treatment plan in an evidence-based paradigm that passes a peer-reviewed panel. The case presented must emanate from contemporary practice utilizing accepted guidelines for sequence acquisition and collaboration if clinically indicated. Cleveland University Kansas City, 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, Long Island, NY, 2022

Chiropractic Diagnosis of ligament injury to the upper cervical region was presented. The methods and tools to determine injury to the Occipital-Atlanto and Atlanto-Axial ligaments were presented. Correlation to mechanism of injury and medical legal reports were reviewed. The AO standards for spinal instability was presented. Cleveland University Kansas City, 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, 2022

Chiropractic Management and treatment planning utilizing Symverta biomechanical assessments was reviewed. The methods to determine improvement in stability and biomechanical balance as well as co-management with medical specialists was reviewed. Identification of the biomechanical primary lesions and compensations associated with the structural compromise was reviewed. Cleveland University Kansas City, 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, 2022

Chiropractic Diagnosis and Management of Degenerative Lumbar Spondylolisthesis — A review of the ligament, biomechanical and neurologic implications of a degenerative lumbar spondylolisthesis was presented. The methods to determine stability and co-management with medical specialists was reviewed. Identification of the biomechanical compensations associated with the structural compromise was reviewed. Cleveland University Kansas City, 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, 2022

Chiropractic Diagnosis and Management of Acute Spinal Ligament Injury — Review of the ligament injury thresholds, methods of diagnosis utilization of SITR pulse Sequence MRI as the gold standard for evaluating the age of and pathophysiology was discussed and presented. Biomechanical assessment of hypermobility associated with ligament laxity was presented along with the specific ligament involved in the clinical picture. When and how to triage to medical specialist was reviewed. Review of the four columns of vertebral architecture was detailed. Cleveland University Kansas City, 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, 2022

Case Management, Documentation, and Diagnosis, Clinically correlating history and clinical findings to biomechanical connective tissue pathology and advanced imaging with herniated, protrude, extruded, and bulging discs. Triageing trauma and chronic patients based upon clinical presentation and testing results. Cleveland University Kansas City, College of Chiropractic, Academy of Chiropractic Post-Doctoral Division, Long Island, NY, 2022

2022 Trends in Spinal Healthcare, Analyzing evidence-based spinal healthcare trends in both utilization and necessity and understanding the marketplace. The use of evidence-based demonstrative documentation in reporting treatment pathways in triaging spinal pathobiomechanics. Cleveland University - Kansas City, 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, 2022

MRI Spine Clinical Case Grand Rounds, Clinical case review of MRIs including sagittal, axial, T1, T2, STIR, and proton density sequences. Identified will be the vertebrate, spinal cord, discs, nerve roots, thecal sac, posterior longitudinal ligament, epidural veins, and fat saturation pulses. Pathology will include bulges, herniations, protrusions, extrusions, myelomalacia, cord edema, and Schmorl's nodes. Learn how to collaborate effectively with radiologists, neuroradiologists, and neurosurgeons on the clinical findings. Cleveland University - Kansas City, 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, 2022

Chiropractic vs. Physical Therapy vs. Medical Case Management and Outcomes, Analysing evidence-based outcomes in triaging non- anatomical lesions. The analysis of neuro- biomechanical pathological lesions defines primary spinal lesions and removes the dogma of non- specific back pain. Managing collaborative relationships with medical primary providers and specialists in clinical practice. Cleveland

University - Kansas City, 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, 2022

MSK Extremity Radiological Interpretation, Utilizing both MRI and x-ray in identifying via x- ray and advanced imaging extremity instabilities from ligamentous, osseous or neoplastic derangement. Cleveland University - Kansas City, 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, 2022

Demonstrative Narrative and Evaluation and Management Report Writing, Effectively creating demonstrative medical-legal documentation and meeting the needs of the courts, and making your "4-Corner" (narrative) report to build your reputation as an evidence-based provider. The step-by-step minutiae of building a report, accomplishing report writing timely and effectively by understanding the regulatory and administrative rules. Learn how to educate the lawyer on bodily injury through evidence-based demonstrative reporting. Cleveland University - Kansas City, 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, 2022

Ligament/Connective Tissue Physiology and Pathology, Master-Class in ligaments; anatomy, physiology, vascularization, neurological innervation, tissue repair and how they all relate to clinical practice. Ligament pathology correlating to the mechanisms of patho-neuro- biomechanical lesions (vertebral subluxation complex). Also, how ligaments play a critical role in the chiropractic spinal adjustment and in defining the chiropractic spinal adjustment mechanisms. Cleveland University - Kansas City, 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, 2022

Age-Dating Herniated Discs and Trauma, Age dating herniated discs and trauma is a critical skill for an expert in spine. It combines the clinical skills of interpreting X-ray, MRI, and other imaging modalities with a clinician's understanding of joint pathology. This level of expertise is critical when collaborated with other physicians or working in the medical-legal environment as

an expert. Age dating pathology is also central to creating a prognosis on your patient's recovery and must be evidence-based in rationale. Cleveland University - Kansas City, 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, 2022

Clinical Grand Rounds in Spinal Biomechanics, Case reviews utilizing E/M, MRI, and x-ray mensuration reports to conclude an accurate diagnosis, prognosis, and treatment plan. Common diagnosis requiring interprofessional collaboration with a discussion of diagnostic dilemmas and proper communication methods. Cleveland University - Kansas City, 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, 2022

Neurosurgical Grand Rounds, A clinical discussion of collaborating with neurosurgeons on spinal cord and spinal nerve root co-morbidities. Triageing cases with herniated, protruded, extruded, fragmented discs and differentially diagnosing tethered cord, syringomyelia, traumatic Schmorl's Nodes, myelomalacia, spinal cord edema, vacuum disc and other intra, and extra-dural lesions. Cleveland University - Kansas City, 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, 2022

Medical-Legal Ethical Relationships, Documentation and Legal Testimony, Report writing for legal cases, the 4 comers 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, 2022 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, 2022 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. Academy of Chiropractic, Post-Doctoral Division, Cleveland University-Kansas City, College of Chiropractic, Long Island, NY, 2022

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, 2022

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

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, 2022

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, 2022

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, 2022

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, 2022

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, 2022

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. Cleveland University Kansas City, 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, 2022

Documenting Clinical Findings and Diagnosis, Correlating clinical findings with x-ray and advanced imaging to conclude and accurate diagnosis, prognosis and treatment plan. The utilization of demonstrative documentation in diagnostic testing to visualize pathology in the trauma and non-trauma case. Cleveland University — Kansas City, Academy of Chiropractic post-Doctoral Division, Long Island, NY, 2022

SELECTED SCHOLARLY / PROFESSIONAL PRESENTATIONS

Motor Vehicle Accidents and Chiropractic PowerPoint presented at the St. Mary's Hospital Executive committee, (2016, May).

Chiropractic Medicine and Acupuncture PowerPoint presented at the Department of Internal Medicine, St. Mary's Hospital, (2016, October).

Alar Ligament Sub -failure from Cervical Trauma PowerPoint presented at the St. Mary's Hospital Emergency room physicians, (2014, September).

Alar Ligament Sub -failure from Cervical Trauma PowerPoint presented at the Naugatuck Valley Radiology, (2014, November).

Whiplash the Epidemic PowerPoint presented at the St. Mary's Hospital Emergency room physicians, Waterbury, CT, (2013, April).

Benefits of Chiropractic care Lecture presented at the St. Mary's Hospital Emergency room physicians, (2008, May).

OptiGate and OptiJump, Gait analysis in human locomotion utilizing instrumentation for measuring body movements, body mechanics and the activity of muscles Certification in Certification in OptiGate and OptiJump, College of Chiropractic, Microgate USA, University of Bridgeport, Bridgeport, CT, 2020

Biomechanics and Physiology of Human Performance in Trauma and Sports, Biomechanics of the human body and its interrelationship to the spine and human performance. Objectifying sequelae of trauma, proper and improper training and outcome assessments in neuro- musculoskeletal care. Diplomate, College of Chiropractic, University of Bridgeport, Bridgeport, Connecticut, 2012

New Strategies for Managing Spinal Injuries PowerPoint presented at the Webster Insurance Co, (2006, May).

SELECTED PUBLICATIONS AND CASE REPORTS

Peter Zilahy DC, Mark Studin DC, John Strom DC, Geoffrey Gerow DC. "Dorsal Root Ganglion Injury Secondary to Rapid Hydraulic Pressure Changes Secondary to a Low-Impact Rear-End Motor Vehicle Crash — A Case Study" Originally published on MedPix (National Institutes of Health/National Library of Medicine), 2024. Submitted to BMJ Case Reports.

Peter Zilahy DC, Mark Studin DC, Randall Loftus MD, Jennifer Sperrazza DC, Geoffrey Gerow DC. "AVM Cervical Spinal Cord Bleed From A Front-End Motor Vehicle Crash: A Case Study." Originally published on MedPix (National Institutes of Health/National Library of Medicine), 2024.

Peter M. Zilahy DC, Mark Studin DC, Randall Loftus MD, Jennifer Sperrazza DC, Geoffrey Gerow DC. "Right Paracentral Positioned Cervical Disc Herniation, Due To A Rear-End Motor Vehicle Crash, Producing Myelopathy To The Side And Site Of Herniation: A Case Study". Originally published on MedPix (National Institutes of Health/National Library of Medicine), 2024.

Zilahy, P. (2022). CASE REPORT: Long-term chiropractic maintenance patient presents with back pain from metastatic cancer.

Zilahy, P. (2022). CASE REPORT: Chiropractic management of posterior shoulder capsule tear.

SELECTED PROFESSIONAL MEMBERSHIPS, HONORS AND SERVICE

Acupuncture and Oriental Medicine Alliance, Member, 2001 — 2015

The Educational Center for Integrative Healing and Wellness, Member, 1999 — 2015

Physical Medicine & Research, Member, 1988 — 1999

American Back Society, Fellow, 1988 - 1992

American Academy of Chiropractic Orthopedics, Fellow, 1983 — 1995

International Association for the Study of Pain, Member, 1982 - 1993

Greater Waterbury Chamber of Commerce, Former Board Member.

Connecticut Chiropractic Association, Member, 1976-Present; former Chairman of the Board, President, District Director, Education Committee Chairman, and Interprofessional Relations Committee Chairman.

Academy of Chiropractic Clinical Excellence Award 2023

Best Alternative Health Center, Waterbury Observer, 2009, 2010, 2011, 2012, 2013, 2014, 2015

Best of Watertown Award in the Chiropractors Category, U.S. Commerce Association (USCA)., 2009

Chiropractor of the Year, Connecticut Chiropractic Association, 1984

Outstanding Young Man of America, Junior Chamber of Commerce, 1983

Pi Tau Delta, International Chiropractic Honor Society, 1976

Beta, Beta, Beta, Rutgers University, Biological Honor Society, 1973

Rotary Club International, Watertown, Connecticut, 1980 — 1990

Jaycees, Waterbury, Connecticut, 1976 - 1979

A comprehensive curriculum vitae containing the full postgraduate education history is maintained separately and is available upon request.