

# **Curriculum Vitae for Michael C. Geraci, Jr., MD PT**

## Curriculum Vitae

### Michael C. Geraci, Jr., MD PT

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#### Education:

State University of New York at Buffalo, Buffalo, New York  
School of Medicine - Fifth Pathway Program, 1984  
State University of New York, Education Department  
Degree: Doctor of Medicine (M.D)

Universidad Autonoma de Guadalajara, School of Medicine, Guadalajara, Mexico  
Clinical Clerkships: 3<sup>rd</sup> and 4<sup>th</sup> year @ Grant Hospital, The Ohio State University Medical School,  
Columbus Ohio and Sisters' of Charity Hospital, Buffalo, NY, SUNY @ Buffalo School of Medicine  
Degree: Physician and Surgeon, 1983

Daemen College, Amherst, New York  
Bachelor of Science (Magna Cum Laude) in Physical Therapy, 1979

Niagara University, Niagara University, New York  
Bachelor of Science in Business, 1975

#### Clinical Training:

Internship/Residency - SUNY at Buffalo - Affiliated Hospitals – School of Medicine and Biomedical Sciences  
Physical Medicine and Rehabilitation 1984-1988  
Chief Resident 1987-1988

#### Special Training:

Procedures  
Regenerative Medicine  
Platelet Rich Plasma (PRP), Bone Marrow Concentrate and Adipose Derived Cell Therapy Injections  
Trigger Point Injections  
Peripheral Joint and Bursal Injections  
Spine: Fluoroscopic: Facet Joint/Epidural Injections: cervical, thoracic, lumbar Interlaminar and transforaminal  
Selective Nerve Root Blocks/SI Injections/shoulder & hip regional blocks with mobilizations  
and manipulations  
Peripheral Nerve Blocks  
Ultrasound guided peripheral joint, nerve sheath, bursa, tendon sheath, and regenerative medicine injections  
Musculoskeletal Ultrasound  
Diagnostic  
Guided Therapeutic Injections  
Manual Medicine of the Spine and Extremities  
Functional Exercises for the Spine & Extremities  
Classification and Treatment of Pain using the:  
Pain Mechanism Classification System  
McKenzie Method (Mechanical Diagnosis and Therapy) Trained in Parts A, B, C and D

McGill Method (Trained in all Levels 1-3)  
Orthotic Management & Treatment  
Trilingual (English/Spanish/Italian)

**Professional Licensure:**

Medicine and Surgery, New York State License No. 162259  
Physical Therapist, New York State License No. 6117

**Professional Employment:**

Michael C. Geraci, Jr., MD, P.C.(d.b.a. Geraci Spine and Sports Medicine), Medical Director, Owner, and founder  
March 2013- Present  
MASH: SOS (Spine/Occupational/Sports), Medical Director, December 2011-March 2013  
Buffalo Spine & Sports Medicine, PC - President, Co-Founder, Fellowship Program Director, and Director of Sports  
Medicine 1991 - 2011  
Specializing in Spine, Sports Medicine & Musculoskeletal Disorders 1986 – Present

**Board Certification:**

American Board of Physical Medicine and Rehabilitation - Diplomate  
Board Certified: Unlimited 5/18/89 (#3033)  
American Board of Physical Medicine and Rehabilitation – Subspecialty-Sports Medicine  
Board Certified 9-1-12 through 12-31-2022 (#361)

**Specialty Areas:**

Physical Medicine and Rehabilitation-Board Certified Specialty  
Medical Spine Care  
Sports Medicine  
Spinal Injections-fluoroscopically guided  
Manual Medicine  
Musculoskeletal Ultrasound  
Diagnostic  
Therapeutic Injections  
Regenerative Medicine  
Platelet Rich Plasma  
Cell Therapies  
Bone Marrow Aspirate Concentrate  
Micro-Fat  
Functional Exercises  
Developed Exercises for Osteoarthritis, Knee Meniscal Tears and Labral Tears of the Shoulder and Hip Joints  
McKenzie Method  
McGill Method  
Pain Mechanism Classification System  
Treatment Based Classification System

### **Honors and Awards:**

Recipient, Best of Best Top Doctors List for Buffalo, NY by Castle Connelly, Ltd., 2024.  
Recipient of Business First's Top 20 Health Care Professionals, 2020.  
Daemen College Distinguished Alumni Award 2019: Advancement in Career.  
Selected by peers to be included in America's Top Doctors list by Castle Connolly, Ltd., 2013-2024.  
Who's Who in Medicine and Healthcare 2011, 2012, 2013, 2018, 2019, 2020, 2021 and 2022.  
Recipient of one of the Top 50 Health Care Professionals, Business First, 2011.  
Recipient of the Physiatric Association of Spine, Sports and Occupational Rehabilitation Distinguished Clinician Award for 2006  
Recipient of The Avalon Cole Lectureship Award, University of Virginia, Dept. of Physical Medicine and Rehabilitation, Charlottesville, VA, March 24, 2006  
Recipient of Mike Hage Lectureship Award for Passion, Compassion & Willingness to Share, Rehabilitation Institute of Chicago, Chicago, Illinois, August 9, 2003.  
Selected by peers to be included in the Best Doctors in America 2005-2018 database.  
Recipient of Kessler Medical Rehabilitation Research and Education Corporation, Excellence in Clinical Practice Award, New Jersey, Procter & Gamble, March 30, 2000.  
Recipient of Northwest University Medical School Department of Physical Medicine & Rehabilitation Prince Visiting Professor Fellowship Award: Rehabilitation Institute of Chicago, December 11, 1998.  
Park-Pribadi Memorial Teaching Award - SUNY at Buffalo School of Medicine and Biomedical Sciences - Department of Physical Medicine & Rehabilitation 1988 - 1989  
Teaching Excellence Award - SUNY at Buffalo School of Medicine 1986 - 1987  
Magna Cum Laude, Daemen College, 1979  
Delta Epsilon Sigma National Honor Society 1978 - Present  
Tri Beta Biological Honor Society 1978 - Present

### **Faculty Appointments:**

University of Rochester, School of Medicine, Dept. of Physical Medicine and Rehabilitation.  
Clinical Associate Professor. April 1, 2025-present.  
Lake Erie College of Osteopathic Medicine, Preceptor for Clinical Clerkships 2013-2024.  
SUNY at Buffalo School of Medicine and Biomedical Sciences  
Department of Physical Medicine and Rehabilitation  
Clinical Associate Professor 2005- present  
Clinical Assistant Professor 1989 - 2004  
Undergraduate Medical Education Committee - 1988 - 1989  
Co-Coordinator - 4th Year Medical Student Elective 1988 - 1989  
Co-Coordinator - Introduction to Clinical Medicine, Second Year 1988 - 1989  
Medical Students - Musculoskeletal System 1988 -1989  
Graduate Medical Education Co-Coordinator of Rotating Residents and Fellows  
Clinical Instructor 1988 – 1989  
Clinical Assistant Instructor 1984 – 1988  
Department of Family Medicine - Clinical Associate Professor  
Co-Coordinator - Rotating Residents for Out-patient Spine & Sports Medicine 1991 - Present  
Department of Neurosurgery - Clinical Assistant Professor 1989 – 1990  
Michigan State University - Dept. of Physical Medicine & Rehabilitation  
Clinical Associate Professor - College of Osteopathic Medicine 2005-present  
Michigan State University - Dept. of Physical Medicine & Rehabilitation -  
Clinical Assistant Professor - College of Osteopathic Medicine 1993 – 2005-  
Michigan State University - Division - Continuing Medical Education Faculty - 1991 – Present  
Daemen College - Graduate Dept. Of Physical Therapy - Adjunct Faculty - Amherst, New York, 1994 – Present

### **Hospital/Health Care Affiliations and Positions Held:**

Board of Directors Schofield Care. 2023-Present.  
Medical Director, Comprehensive Spine Program, Catholic Health System, 2017-present.

Ambulatory Surgery Center of Western New York, Attending Physician, March 2013-present.  
Michael C. Geraci, Jr., MD, PC, Medical Director, Owner, March 2013-Present  
Medical Director, MASH: SOS (Spine/Occupational/Sports), December 2011-March 2013

Fellowship Program Director, Buffalo Spine and Sports Medicine, PC, trained 24 fellows in Spine, Occupational, Sports Medicine, diagnostic ultrasound and fluoroscopic guided spinal injections, 1992-2011.  
Sports Medicine Director, Buffalo Spine and Sports Medicine, PC, 2004-2011  
Sports Medicine Outreach Medical Director, Sports Physical Therapy of New York, Inc., 2005-2011.  
Buffalo State College-NCAA Div. III – Consulting Team Physician-2003-Present  
Hilbert College – NCAA Div. III – Head Team Physician -2005 - 2010  
Canisius College - NCAA Div. I - Consulting Team Physician - 2001 - present  
Niagara University - NCAA Div. I - Consulting Team Physician - 2001 – present  
St. Bonaventure University NCAA Div. I Consulting Team Physician 2001- Present  
Niagara County Community College - Team Physician - 2000 – 2005  
Sports Medicine Supervising Physician for ATC: Nichols High School and Cleveland Hill High School 2005-2017  
Kaleida Health System –Attending Physician- 1999 – 2013.(voluntary resignation)  
St. Joseph’s Intercommunity Hospital - Attending Physician - 1995 - March 2003 (voluntary resignation)  
Sisters of Charity Hospital & Corporate Health - 1994 - April 2003 (voluntary resignation)  
Buffalo Mercy Hospital - Co-Medical Director AthletiCare Sports Medicine Clinic 1993 – 1997 (Voluntary Resignation)  
Daemen College - Team Physician - 1993 - 2001  
Buffalo Blizzard - National Professional Soccer League - Team Physician - 1992 - 2001  
Buffalo Spine & Sports Medicine, PC - Director Fellowship Program, Director of Sports Medicine, President and Co-Founder - 1991 - 2011  
Kenmore Mercy Hospital  
AthletiCare Sports Medicine Clinic 1991 – 1997 (voluntary resignation)  
Attending Physician 1991 - Present  
Millard Fillmore Hospitals  
Attending Physician 1989 – 2013 (Voluntary resignation)  
Medical Director - Back Institute of Buffalo 1989 – 1990 (voluntary resignation)  
Erie County Medical Center  
Attending Physician - 1988 - 1989 (voluntary resignation)  
Director of Musculoskeletal Medicine Center - 1988 - 1989

#### **Membership in Professional Organizations:**

International Pain and Spine Intervention Society 1992-2024  
American Institute of Ultrasound in Medicine, 2012-2023  
Erie County Medical Society  
Medical Society of the State of New York  
Diplomat - American Board of Physical Medicine and Rehabilitation 1989 – present  
-Subspecialty in Sports Medicine 2012-2022  
Fellow - American Academy of Physical Medicine and Rehabilitation 1989 - present  
Fellow - North American Spine Society 1992 - present  
- Non-Operative Care Committee 2000 - 2003  
Charter Member - Physiatric Association of Spine, Sports & Occupational Rehabilitation 1993  
Board of Governors - Physiatric Association of Spine, Sports & Occupational Rehabilitation 1995 - 1999  
Founding Member – International Spine Intervention Society 1992  
American College of Sports Medicine 1992 – 2023  
Phi Delta Epsilon Medical Fraternity 1979 - 1983  
Local Chapter Vice President 1980 - 1981  
Local Chapter President 1981 – 1982

## Other Scholarly Activity

### Publications:

#### Abstracts:

**Geraci MC**, McAdam FB, Alleva JT: The Association of Muscle Imbalances and Lumbar Shift in Patients with Lower Lumbar Central Disc Herniations, Abstract, North American Spine Society Annual Meeting proceedings, Boston, MA, July 1992.

#### Articles:

Schenk R, Lorenzetti J, **Geraci MC**, et al. Validity of the Yellow Flag Risk Form in People Treated for Low Pain with Mechanical Diagnosis and Therapy and the Pain Mechanism Classification System. *Int J Musculoskelet Disord* 6:123, 2023.

Favaro L, Boggs, RG, **Geraci MC**. Conservative Management of a Foraminal Lumbar Disc Herniation. *JOSPT*1(1):49-50, 2021.

**Geraci, MC**, Creighton, D. Treatment of posterior pelvic girdle pain including SIJ pain: Global movement assessment driven treatment plan. Idiopathic Pelvic Girdle Pain as it Relates to the Sacroiliac Joint. *PM R* 11S83-92, 2019.

**Geraci MC**, Roh EY, Smuck M. Preseason Training for Golfers with Low Back Pain. *SpineLine*, January-February, 2012.

**Geraci MC**, Brown W, and Velasquez JR: Low Back Pain in Adolescent Athletes: Diagnosis, Rehabilitation and Prevention, in *Athletic Therapy Today* 10(5), pp.6-12, Human Kinetics, September, 2005.

**Geraci MC**, Brown W: Evidence Based Treatment of Hip and Pelvic Injuries in Runners, *Physical Medicine and Rehabilitation Clinics of North America*, V. Akuthota, M. Harrast & G. Kraft (eds), Saunders, August, 2005

**Geraci, MC**: Facet Joint Pain: Manual Evaluation & Treatment, *SpineLine*, S. Weinstein (ed.) Jan/Feb 2005.

**Geraci**, Michael C., Ray M. Baker, and Rick C. Sasso. "Lumbar zygapophysial joint evaluation and treatment." *Curr Concepts* (2005): 10-17.

**Geraci MC**, Alleva JT, Prather H: Manipulation Under Anesthesia, *Physical Medicine and Rehabilitation Clinics of North America*, Stanton D, Mein E (eds), 7, November 1996

**Geraci MC**: Rehabilitation of Pelvis, Hip & Thigh Injuries in Sports, *Physical Medicine and Rehabilitation Clinics of North America*, Press J (ed), 5, February 1994

#### Chapters:

**Geraci MC**, Lambert M, Bogulski J: Neuromobilization Techniques - Evaluation and Treatment of Adverse Neurodynamic Tension and the Container, in *Rehabilitation of the Spine*, Liebenson C (eds), 3<sup>rd</sup> ed., Lippincott Williams & Wilkins, 2019.

**Geraci, MC**, McGill, SM: Chapter 25: Functional Restoration of Painful Lumbar Spinal Disorders in *Interventional Spine Care*, DePalma, M (ed.), 2011.

**Geraci MC**, Lambert M, Bookhout MR: Evaluation and Treatment of Adverse Neurodynamic Tension, in *Rehabilitation of the Spine*, Liebenson C (ed), 2<sup>nd</sup> ed., Lippincott Williams & Wilkins, 2006.

**Geraci MC**, McAdam FB, Alleva JT: Physiatrie Physical Examination of the Spine and its Functional Kinetic Chain, in *The Low Back Pain Handbook: A Practical Guide for the Primary Care Clinician*, Cole AJ, Herring SA (eds), 2<sup>nd</sup> ed., Hanley & Belfus/Mosby, 2002.

Wilder R, **Geraci MC**, Cole A: Overuse Injuries of the Hip & Pelvis in Sports, in *Physical Medicine & Rehabilitation: The Complete Approach*, Graboys M, Garrison S (eds), Blackwell Science, Inc., 1999.

**Geraci MC**, Alleva JT: Physical Examination of the Spine and its Functional Kinetic Chain, *in* The Low Back Pain Handbook: A Practical Guide for the Primary Care Clinician, Cole AJ, Herring SA (eds.), Hanley & Belfus/Mosby, 1996.

**Geraci MC**: Overuse Injuries of the Hip and Pelvis, *in* The Injured Runner, Journal of Back & Musculoskeletal Rehabilitation, Wilder R (eds), 6, 1996.

#### Lay Publication:

**Geraci MC**: *USA Today*, public relations project for the American Academy of Physical Medicine and Rehabilitation, September 21, 2001

#### Reviewer: Scientific Peer Review Articles and Abstracts:

Pain Medicine

American Journal of Physical Medicine and Rehabilitation

North American Spine Society: Annual Meetings

North American Spine Society: Evidence and Technology Spine Summit

#### Research:

**Geraci, MC**, Waghmarae, R: Use of Adipose Derived Stem Cells in Peripheral Joints and Lumbar Discs  
Principle Investigator: Peripheral Joints, October 2014-December 2016.

**Geraci MC**, McGill SM: Functional Spine Exercises, Muscle Activation and Spinal Loads:

Phase I: A Pilot Study, completed December 8, 2003, Phase II completed October 25-26, 2007. Phase III completed December 2-3, 2010.

#### Presentations (Invited) at National Meetings:

- Annual "Benefits and Pitfalls of Resistance Training, Stretching and General Physical Activity." The 34  
Meeting of the North American Spine Society. Chicago, IL, September 25, 2019.  
"Overview: Some patients are surgical successes but rehab failures: Here is what you can do about it."  
The 15<sup>th</sup> Annual NASS Evidence and Technology Spine Summit, Park City, Utah. February 15, 2019.  
"Overview: Physical Exam Findings to Differentiate Disc from Bone Pathology  
and Instability." The 14<sup>th</sup> Annual NASS Evidence and Technology Spine Summit, Park City,  
Utah February 23, 2018. Clinical  
"Lumbar Stabilization." The 13<sup>th</sup> Annual NASS Evidence and Technology Spine Summit, Park City,  
Utah February 25, 2017.  
"The Aging Spine: Focus on Prevention." The 13<sup>th</sup> Annual NASS Evidence and Technology Spine Summit,  
Park City, Utah February 23, 2017.  
"Clinical Pearls in Musculoskeletal Medicine." The Annual Assembly of the American Academy of Physical  
Medicine and Rehabilitation. New Orleans, LA, October 21, 2016.  
"Platelet Rich Plasma and Stem Cell Therapy Basics." The 12<sup>th</sup> Annual NASS Evidence and  
Technology and Spine Summit, Park City, Utah February 27, 2016.  
"Body Weight: Squats, Lunges, Step ups/downs and Balance-Reach." The 12<sup>th</sup> Annual NASS-Evidence and  
Technology and Spine Summit, Park City, Utah February 25, 2016.  
"Workshop Cervico-Thoracic Evaluation and Treatment." The 11<sup>th</sup> Annual NASS-Evidence and Technology  
Spine Summit, Snowbird, Utah February 27, 2015.  
"Exercises for the Cervical and Thoracic Spine: Motor Control and Endurance." The 11<sup>th</sup> Annual NASS-  
Evidence and Technology Spine Summit, Snowbird, Utah February 27, 2015.  
"Regenerative Medicine of the Spine: Introduction and Overview: Does it have Value." The 11<sup>th</sup> Annual NASS-  
Evidence and Technology Spine Summit, Snowbird, Utah February 26, 2015.  
"Exercises for the Cervical and Thoracic Spine: Motor Control and Endurance." The 11<sup>th</sup> Annual NASS-  
Evidence and Technology Spine Summit, Snowbird, Utah February 27, 2014.  
"Regenerative Medicine of the Spine: Introduction and Overview: Does it have Value." The 11<sup>th</sup> Annual NASS-

- Evidence and Technology Spine Summit, Snowbird, Utah February 26, 2014.
- "The Spine in Sports: Differential Diagnosis of Spine Disorders in Sports." The 10<sup>th</sup> Annual NASS-Evidence and Technology Spine Summit, Park City, Utah February 27, 2014
- "Exercise in Lumbar Spine Disorders: The Scientific Basis: Overview: Scientific Basis and Future Research." The 10<sup>th</sup> Annual NASS-Evidence and Technology Spine Summit, Park City, Utah. March 1, 2014.
- "Exercise in Lumbar Spine Disorders: The Scientific Basis: The Role of Neuromobilizations." The 10<sup>th</sup> Annual NASS-Evidence and Technology Spine Summit, Park City, Utah, March 1, 2014.
- "Motor Control Impairment: Clinical Testing and Treatment." Exercise-Based Management of Lumbar Spine Pain: An Algorithmic Approach to Decision-Making. North American Spine Society, 28<sup>th</sup> Annual Meeting, New Orleans, LA, October 9, 2013.
- "Physical Therapy after Invasive Treatment; Why?" Exercise-Based Management of Lumbar Spine Pain: An Algorithmic Approach to Decision-Making. North American Spine Society, 28<sup>th</sup> Annual Meeting, New Orleans, LA, October 9, 2013.
- "Neck-Shoulder Differential Diagnosis: Anatomy and Biomechanics." North American Spine Society, 28<sup>th</sup> Annual Meeting, New Orleans, LA, October 11, 2013.
- "Workshop on Physical Examination of Neck-Shoulder Differential Diagnosis." North American Spine Society, 28<sup>th</sup> Annual Meeting, New Orleans, LA, October 11, 2013.
- "Overview and Differential Diagnosis" – Pediatric and Adolescents with Low Back Pain. 9<sup>th</sup> Annual NASS-Evidence and Technology Spine Summit, Park City, Utah February 28, 2013.
- "Overview and Focus on Prevention"- The Aging Spine. 9<sup>th</sup> Annual NASS- Evidence and Technology Spine Summit, Park City, Utah March 1, 2013.
- "Evidence Based Physical Therapy"- Cervical Spine Focus on Disc Herniations. 9<sup>th</sup> Annual NASS-Evidence and Technology Spine Summit, Park City, Utah March 2, 2013.
- "Treatment of the Container and Neuromobilizations"- Cervical Spine Radiculopathy. 9<sup>th</sup> Annual NASS-Evidence and Technology Spine Summit, Park City, Utah March 2, 2013.
- "Musculoskeletal Evaluation of the Kinetic Chain." Section on Rehabilitation, Interventions, and Medical Spine: Cervical and Thoracic Pain: Diagnosis and Treatment. NASS Spine Education and Research Center. Burr Ridge, IL, April 27, 2012.
- "Exercise III: Rehabilitation Specifics." Section on Rehabilitation, Interventions, and Medical Spine: Cervical and Thoracic Pain: Diagnosis and Treatment. NASS Spine Education and Research Center. Burr Ridge, IL, April 27, 2012.
- "Exercise and Posture: Thoracic." Section on Rehabilitation, Interventions, and Medical Spine: Cervical and Thoracic Pain: Diagnosis and Treatment. NASS Spine Education and Research Center. Burr Ridge, IL, April 28, 2012.
- "Postural Alignment and What Else Does it Lead to?" Evidence & Technology Spine Summit, Park City, Utah. February 25, 2012.
- "How to Evaluate Spine Stability, Endurance and Motor Control: The 10-Minute Evaluation for the Busy Clinician." Evidence & Technology Spine Summit, Park City, Utah. February 23, 2012.
- "New Techniques for Discogenic Pain and Stability." Evidence & Technology Spine Summit, Park City, Utah. February 24, 2012.
- "The Aging Spine: Focus on Prevention." The Utah Academy of Pain Medicine, Salt Lake City, UT. February 22, 2012.
- "Strengthening and Stretching". Instructional Course: Section on Rehabilitation, Interventions and Medical Spine Care: Thoracic Spine Pain. The North American Spine Society, 26<sup>th</sup> Annual Meeting. Chicago, IL. November 2, 2011.
- "Postural Alignment". Instructional Course: Section on Rehabilitation, Interventions and Medical Spine Care: Thoracic Spine Pain. The North American Spine Society, 26<sup>th</sup> Annual Meeting. Chicago, IL. November 2, 2011.
- "Physical Therapy, Chiropractic, and Other Treatments: An adjunct to or when interventional treatments are not indicated." International Spine Intervention Society, 19<sup>th</sup> Annual Meeting. Chicago, IL. Saturday August 13, 2011.
- "Natural History and Non-op Treatment of Spondylolysis." Evidence & Technology Spine Summit, Park City, Utah. February 4, 2011.
- "Non-surgical hands on workshop-Evaluation and treatment of the container in patients with cervical radiculopathy." Evidence & Technology Spine Summit, Park City, Utah February 3, 2011.



- "Non-surgical hands on workshop-Evaluation of Spine Stability in a 5-10 Minute Re-Visit for the Busy Clinician." Evidence & Technology Spine Summit, Park City, Utah February 4, 2011.
- "Spine Training for Skiing." Evidence & Technology Spine Summit, Steamboat Springs, CO, January 15, 2010.
- "Positional/Harness MRI in Assessment of Lumbar Disc Herniation." Evidence & Technology Spine Summit, Steamboat Springs, CO, January 15, 2010.
- "Subacute Low Back Pain: How to Monitor Progress in Physical Therapy." Rehabilitation Medicine for Surgeons and other Spine Specialists. North American Spine Society, Pre-Course Meeting. San Francisco, CA, November, 10, 2009.
- "Spine and Sports: Implication for the Senior Athlete: Pre-season training for the 70 year old golfer: Changes in the golf swing related to spine pathology and following fusion." North American Spine Society 24<sup>th</sup> Annual Meeting. San Francisco, Ca. November, 13, 2009.
- "How to Decide Directional Preference in Five Minutes." Rehabilitation Medicine for Surgeons and other Spine Specialists. North American Spine Society, Burr Ridge, IL, September 12, 2009.
- "Acute and Subacute Neck and Thoracic Pain: Strength Training Specifics." Rehabilitation Medicine for Surgeons and other Spine Specialists. North American Spine Society, Burr Ridge, IL, September 12, 2009.
- "Subacute Low Back Pain: How to Monitor Progress in Physical Therapy." Rehabilitation Medicine for Surgeons and other Spine Specialists. North American Spine Society, Burr Ridge, IL, September 12, 2009.
- "Poorly Responsive Low Back Pain: Rehabilitation/Functional Restoration." Rehabilitation Medicine for Surgeons and other Spine Specialists. North American Spine Society, Burr Ridge, IL, September 12, 2009.
- "The Aging Spine: Focus on Prevention" The Aging Spine, Rehabilitation Institute of Chicago, Chicago, IL, July, 17, 2009.
- "The Aging Spine: Functional Anatomy and Biomechanics" The Aging Spine, Rehabilitation Institute of Chicago, Chicago, IL, July, 17, 2009.
- "The Aging Spine: The Whole Body Approach, Functional Exercise, Manual Medicine and Neuro-mobilizations" The Aging Spine, Rehabilitation Institute of Chicago, Chicago, IL, July, 17, 2009.
- "The Evaluation of the Spine and its Functional Kinetic Chain: *Accurate Diagnostic and Effective Therapeutic Interventions for Chronic Low Back Pain*, 4<sup>th</sup> Annual Central Virginia Spine Symposium, Jefferson Hotel, Richmond, VA, Friday April 17, 2009.
- "Sacroiliac Joint Pain: The Role for Physical Therapy." Emerging Spine Technologies Summit, Steamboat Springs, Colorado, February 6, 2009.
- "Degenerative Scoliosis in Pre-Existing Idiopathic Scoliosis: Physical Therapy, Medications and Brace Treatments" Emerging Spine Technologies Summit, Steamboat Springs, Colorado, February 7, 2009.
- "Evidence-Based Treatments for Special Populations with Spine Conditions: Pediatric and Adolescent Emerging Spine Technologies Summit, Steamboat Springs, Colorado, February 7, 2009.
- "The Physical Examination of the Shoulder Region." AAPMR 69<sup>th</sup> Annual Assembly Resident Section, San Diego, CA, November 20, 2008.
- "The Shoulder-Neck Syndrome." AAPMR 69<sup>th</sup> Annual Assembly, San Diego, CA, November 20, 2008.
- "The Evaluation and Treatment of the Upper Quarter." AAPMR 69<sup>th</sup> Annual Assembly, San Diego, CA, November 21, 2008.
- "The Athletic Shoulder: Multi-directional Instability." AAPMR 69<sup>th</sup> Annual Assembly, San Diego, CA, November 22, 2008.
- "Manual Medicine Evaluation and Treatment of the Cervical, Thoracic, Lumbar Spine & Ribs" and "When All Else Fails: From More PT to Surgery", Rehabilitation Sports Medicine XX, Sports and Spine Symposium: The Spine in Sports. Rehabilitation Institute of Chicago, Chicago, IL, April 27-29, 2007.
- "Defining the Failure of Non-operative Treatment in Patients with Spinal Stenosis." The 4<sup>th</sup> Annual Emerging Technologies of the Spine, Jackson Hole, WY, February 6-10, 2008.
- "Identifying the Pain Generator in Patients with Adult Scoliosis." The 4<sup>th</sup> Annual Emerging Technologies of the Spine, Jackson Hole, WY, February 6-10, 2008.
- "Rehabilitation of Spinal Disorders: Focus on Exercise." The 20<sup>th</sup> Annual Disorders of the Spine, Whistler, B.C., Canada, January 23, 2008.
- "Exercises for the Osteoporotic Patient", The 2<sup>nd</sup> Annual Central Virginia Spine Symposium, University of Virginia, Richmond, Virginia, June 8, 2007.
- "Manual Medicine Evaluation and Treatment of the Cervical, Thoracic, Lumbar Spine & Ribs" and "When All Else Fails: From More PT to Surgery", Rehabilitation Sports Medicine XX, Sports and Spine Symposium: The Spine in Sports. Rehabilitation Institute of Chicago, Chicago, IL, April 27-29, 2007.
- "Evaluating and Treating the Athlete and Non-Athlete": Functional Based Exercise and Manual Therapy

- Interventions", St. Alfonsus Medical Center, Boise, Idaho, March, 3-4, 2007.
- "Medical Evaluation and Treatment of Osteoporosis", 19<sup>th</sup> Annual Disorders of the Spine, Whistler, BC, Canada, January 18, 2007.
- "Workshop on Exercises for Spinal Disorders." 19<sup>th</sup> Annual Disorders of the Spine, Whistler, BC, Canada, January 18, 2007.
- "Evaluating and Treating the Athlete and Non-Athlete: Functional Based Exercises and Manual Therapy Interventions, course chairman, The University of Washington, Seattle, WA, January 20-21, 2006.
- "The Six Basic Functional Tests", Lecture and workshop. "The Functional Kinetic Chain: A Case Study Approach". Rehabilitation Sports Medicine XIX, Sports and Spine Symposium: Lower Body Approach. Rehabilitation Institute of Chicago, Chicago, IL, April, 28-30, 2006.
- "Rehabilitation of Spinal Disorders", 18<sup>th</sup> Annual Disorders of the Spine, Whistler, B.C. Canada, January 18, 2006.
- "Functional Joint Mobilization of the Foot/Ankle, Hip and Knee". Sport & Spine Rehabilitation Symposium XVIII, Lower Body Approach. Rehabilitation Institute of Chicago, April 29 – May 1, 2005
- "Putting it all Together – Case of Knee ACL Tear/Repair". Sports & Spine Rehabilitation Symposium XVIII, Lower Body Approach. Rehabilitation Institute of Chicago, April 29 – May 1, 2005.
- "The Aging Spine: Focus on Prevention", Emerging Technologies Spine Education Summit, Telluride, Colorado, March 4, 2005
- "Sports Performance Enhancement and Injury Prevention", Sport & Spine Rehabilitation Symposium XVII, Upper Body Approach", Rehabilitation Institute of Chicago, December 12, 2004
- "The Utilities of Manual Therapies in Treating Musculoskeletal Decline", presented at the Annual Meeting of the American Academy of Physical Medicine and Rehabilitation and Physiatric Association of Spine, Sports & Occupational Rehabilitation, October 2004
- "Functional Progression: Lower Body: Lower Extremity & Spine", presented at the Rehabilitation Sports Medicine XVI, Rehabilitation Institute of Chicago, Chicago, April 22-24, 2004
- "Home Exercise to Compliment Manual Therapy: Lower Extremity & Spine", presented at the Rehabilitation Sports Medicine XVI, Rehabilitation Institute of Chicago, Chicago, April 22-24, 2004
- "Functional Assessment: Kinetic Chain Evaluation – six Basic Tests: Lower Extremity & Spine", presented at the Rehabilitation Sports Medicine XVI, Rehabilitation Institute of Chicago, Chicago, April 22-24, 2004
- "The Gray areas of McGill: Where Function Meets Science", presented at the National Academy of Sports Medicine, From Reactivation to Performance Enhancement, Los Angeles, April 2-4, 2004
- "Upper Limb Dynamic Neural Tension: Treating the Container", presented at the Rehabilitation Institute of Chicago, Rehabilitation Sports Medicine XV, Sports-Specific Functional Rehabilitation: Upper Limb Dominant Sports, Chicago, Illinois, April 24-26, 2003
- "Sports Performance Enhancement & Injury Prevention", presented at the Rehabilitation Institute of Chicago, Rehabilitation Sports Medicine XV, Sports-Specific Functional Rehabilitation: Upper Limb Dominant Sports, Chicago, Illinois, April 24-26, 2003
- "Upper Extremity Injury Prevention", presented at the Rehabilitation Institute of Chicago, Rehabilitation Sports Medicine XV, Sports-Specific Functional Rehabilitation: Upper Limb Dominant Sports, Chicago, Illinois, April 24-26, 2003
- "Spinal Manipulation in Spine Care: Who, Why, When?", presented at the North American Spine Society - 17<sup>th</sup> Annual Conference, Montreal, Quebec, Canada, October 31, 2002
- "The Aging Spine", presented at the North American Spine Society - 17<sup>th</sup> Annual Conference, Montreal, Quebec, Canada, October 30, 2002
- "What is Functional Progression?", presented at the Rehabilitation Institute of Chicago, Rehabilitation Sports Medicine XIV, Sports-Specific Functional Rehabilitation: Controversies in Running-Related Sports, Chicago, Illinois, December, 8, 2001
- "Functional Progression in Soccer", presented at the Rehabilitation Institute of Chicago, Rehabilitation Sports Medicine XIV, Sports-Specific Functional Rehabilitation: Controversies in Running-Related Sports, Chicago, Illinois, December, 8, 2001
- "Counterpoint: The Controlled Mobility Model", presented at the Rehabilitation Institute of Chicago, Rehabilitation Sports Medicine XIV, Sports-Specific Functional Rehabilitation: Controversies in Running-Related Sports, Chicago, Illinois, December, 8, 2001
- Spinal Injection Cadaver Course", Faculty, Physiatric Association of Spine, Sports & Occupational Rehabilitation, New Orleans, LA, September 11-12, 2001

- "Scientific Basis of the Physiatric Physical Examination of the Spine: A Functional Approach", presented at the 9<sup>th</sup> Annual Meeting of the Physiatric Association of Spine, Sports & Occupational Rehabilitation - Hands-on Cadaver Course, New Orleans, Louisiana, September 11-12, 2001
- "Sensori-motor Retraining / Evaluation of Adverse Neurodynamic Tension: Is it Muscle Tightness or Nerve Tension?", presented at the Rehabilitation Institute of Chicago, Rehabilitation Sports Medicine XIII, The Role of Manual Medicine and Exercise in Sports and Industry, Course Chairman, Chicago, Illinois, December, 9, 2000
- "The Physiatric Physical Examination of the Spine", presented at Kessler Medical Rehabilitation Research and Education Corporation, New Jersey, March 30, 2000
- "Physiatric Physical Examination of the Spine: How it Helps in the Rehabilitation Program", presented at the 16<sup>th</sup> Annual Physical Medicine & Rehabilitation Update, Park City, Utah, January 30, 2000
- "Proprioceptive / Sensori-motor Training", presented at the 7<sup>th</sup> Annual Meeting of the Physiatric Association of Spine, Sports & Occupational Rehabilitation, Washington, DC, November 1999
- "Meet The Experts", presented at the 7<sup>th</sup> Annual Meeting of the Physiatric Association of Spine, Sports & Occupational Rehabilitation, Washington, DC, November 1999
- "Adverse Neural Dynamic Tension of the Spine and Lower Extremities", The Functional Approach to Musculoskeletal Medicine, Buffalo, New York, October 15-17, 1999
- "Gluteal Retraining", The Functional Approach to Musculoskeletal Medicine, Buffalo, New York, October 15-17, 1999.
- "Mobilization of the Anterior Lower Quarter", The Functional Approach to Musculoskeletal Medicine, Buffalo, New York, October 15-17, 1999
- "Rehabilitation of Low Back Pain", Case Studies, presented at the Rehabilitation Institute of Chicago, Rehabilitation Sports Medicine XI, Case Studies in Sports Medicine, Chicago, Illinois, December 11, 1998
- Prince Lecture: "The Scientific Basis of the Physiatric Examination of the Spine: Why the Orthopedic & Neurologic Exams are Not Enough", presented at the Rehabilitation Institute of Chicago, Chicago, Illinois, December 9, 1998.
- "Spinal Injection Cadaver Course", Faculty, Physiatric Association of Spine, Sports & Occupational Rehabilitation, Seattle WA, November, 3-4, 1998.
- "Cervical Spine: Physical Examination", presented at the American Academy of Physical Medicine & Rehabilitation 60<sup>th</sup> Annual Assembly, Seattle, Washington, November 1998
- "Lumbo-Pelvic Exam", presented at the American Academy of Physical Medicine & Rehabilitation 60<sup>th</sup> Annual Assembly, Seattle, Washington, November 1998
- "Wrist Exam", presented at the American Academy of Physical Medicine & Rehabilitation 60<sup>th</sup> Annual Assembly, Seattle, Washington, November 1998
- "Spinal Injection Cadaver Course", Faculty, Physiatric Association of Spine, Sports & Occupational Rehabilitation, Seattle, Washington, November 3-4, 1998
- "Update on Soft Tissue & Rehabilitation: An International Perspective; Concepts and Principles Regarding Muscle Imbalances: Janda vs. Sahrmann", University of Manitoba, Winnipeg, Manitoba, May 28-30, 1998
- "Update on Soft Tissue & Rehabilitation: An International Perspective; Scientific Basis of Muscle Imbalances & Neuromobilizations: A Review of the Literature", Winnipeg, Manitoba, May 28-30, 1998
- "Update on Soft Tissue & Rehabilitation: An International Perspective; Physical Examination of the Spine and its Functional Kinetic Chain: Emphasis on Segmental Motion, Muscle Imbalances and Adverse Neurodynamic Tension", Winnipeg, Manitoba, May 28-30, 1998
- "Update on Soft Tissue & Rehabilitation: An International Perspective; Muscle Control and Coordination: Part I: Evaluation of Lumbo-pelvic Region", Winnipeg, Manitoba, May 28-30, 1998
- "Update on Soft Tissue & Rehabilitation: An International Perspective; Muscle Control and Coordination: Part II: Lower Quarter Evaluation & Treatment", Winnipeg, Manitoba, May 28-30, 1998
- "Update on Soft Tissue & Rehabilitation: An International Perspective; Muscle Control and Coordination: Part III: Upper Quarter Evaluation & Treatment", Winnipeg, Manitoba, May 28-30, 1998
- "Spinal Injection Cadaver Course", Faculty, Physiatric Association of Spine, Sports & Occupational Rehabilitation, Orlando, FL, March 20-22, 1998
- "History & Physical Examination of the Lumbo-pelvic Region" and "History & Physical Examination of the Cervico-Thoracic-Scapular Region", presented at the Physiatric Association of Spine, Sports & Occupational Rehabilitation Mid-year Meeting, Orlando, Florida, March 20-22, 1998
- "Physical Examination of the Spine and its Entire Kinetic Chain - Scientific Basis", presented at the 9<sup>th</sup> Annual Meeting, Seccion de Fisiatria, Puerto Rico, September 1997

- "Treatment of Low Back Pain: The Scientific Basis of Muscle Imbalances: A Review of the Literature", presented at the 9<sup>th</sup> Annual Meeting, Seccion de Fisiatria, Puerto Rico, September 1997
- "Treatment of Low Back Pain: The Role of Injections: Rationale and Therapeutic/Diagnostic Considerations", presented at the 9<sup>th</sup> Annual Meeting, Seccion de Fisiatria, Puerto Rico, September 1997
- Spinal Injection Cadaver Course", Faculty, Physiatric Association of Spine, Sports & Occupational Rehabilitation, "New Orleans, Louisiana, September 6-7, 1997
- "Scientific Basis for Sports and Musculoskeletal Medicine: Validation of Physical Examination: Cervical / Lumbar Spine", presented at the Association of Academic Physiatrists Annual Meeting, Colorado Spring, Colorado, February 26 - March 1, 1997
- Chairman and Hands-on Workshop Coordinator, Physiatric Association of Spine, Sports & Occupational Rehabilitation Annual Meeting, Chicago, Illinois, October 12-13, 1996
- "Exploring New Horizons in Musculoskeletal Medicine: The Hip - Anatomy & Physical Exam", lecture and workshop presented at the Physiatric Association of Spine, Sports & Occupational Rehabilitation Annual Meeting, Orlando, Florida, November 1995
- "Overload Injuries of the Leg" and "Overload Injuries of the Hip and Pelvis", presented at the Rehabilitation Institute of Chicago, Rehabilitation Sports Medicine VII: Overload Injuries in the Athlete, Chicago, Illinois, December 8-10, 1994
- "Physical Examination of the Low Back" and "Diagnosis & Management of Low Back Pain", 6th Annual Sports Medicine Conference for the Primary Care Physician, Rochester, New York, December 1, 1994
- "Non-operative Approach to Lumbar Radiculopathy, Treatment and Rehabilitation in Herniated Nucleus Pulposus", American Academy of Family Physicians Annual Meeting, Boston, Massachusetts, September 24, 1994
- "Office Injections of the Spine", American College of Sports Medicine 40th Annual Meeting, Indianapolis, Indiana, June 1-4, 1994
- "Carpal Tunnel Syndrome: Is There Light at the End?, Non-surgical Management", "Injections, Rationale and Therapeutic/Diagnostic Considerations", and "Cervical Spine Differential Diagnosis: How to Use the Physical Examination to Define Cervical Pain Generators", Southern Pain Society Annual Meeting, Dallas, Texas, March 12-13, 1994
- "Muscular Imbalances in the Aging Athlete" and "The Aging Hip and Pelvis", presented at Rehabilitation Institute of Chicago, Rehabilitation Sports Medicine VI: The Aging Athlete, Chicago, Illinois, December 9-11, 1993
- "The Differential Diagnoses of Hip Pain in the Athlete", presented at the Inaugural Meeting of the Physiatric Association of Spine, Sports & Occupational Rehabilitation, Miami Beach, Florida, November 4-5, 1993
- "The Physiatrist as Team Physician - Soccer", presented at the Annual Meeting of the American Academy of Physical Medicine & Rehabilitation, Sports Medicine Special Interest Group, Miami Beach, Florida, October 31, 1993
- "Non-Operative Treatment Outcome for the Herniated Nucleus Pulposus with Radiculopathy", abstract submitted for presentation, North American Spine Society Annual Meeting, San Diego, CA, October 1993
- "The Safety of Fluoroscopic Spinal Injections in an Out-patient Non-hospital Setting", abstract submitted for presentation, North American Spine Society Annual Meeting, San Diego, CA, October 1993
- "The Role of Muscle Imbalances in Recurrent Work-Related Injuries", "Pain Control: Medications and Injections", "Current Problems and Potential Solutions in the Workers Compensation System", presented at the American Back Society Annual Meeting, Buffalo, New York, May 19-21, 1993
- "Muscle Imbalances in Athletes and Spine Disorders", American Back Society Annual Meeting, New Orleans, LA, May 1992
- "Selected Lower Extremity Injuries in Sports: The Hip, Pelvis and Thigh", American Academy of Physical Medicine and Rehabilitation Annual Meeting, Washington, D.C., October 27-31, 1991
- "Biomechanics of the Pelvis and Sacroiliac Joints", American Back Soc., Ann.. Meeting, Toronto, CA, May, 1991.

#### **Courses Chaired:**

Exercise is Regenerative Medicine: From Wear and Tear to Wear and Repair. Evanston, IL. Dec. 2, 2023.

Exercise is Regenerative Medicine: A Functional Kinetic Chain Approach. Amherst, NY. Nov., 13, 2021.

Treating Pain: Alternatives to Opioids. Hosted by: The Erie County Department of Health and Catholic Health. Buffalo, NY, November 9, 2019.

McGill Method Levels 1-3. Stuart McGill, PhD and Ed Cambridge, PhD, DC. March 28-31, 2019, Buffalo, NY.

North American Spine Society-The 15<sup>th</sup> Annual Evidence and Technology Spine Summit, Park City, Utah. February 13-16, 2019.

A Functional Kinetic Chain Approach to the Lumbo-Pelvic Region. Jones Memorial Hospital, Wellsville NY  
Saturday October 27, 2018.

A Functional Kinetic Chain Approach to the Lumbo-Pelvic Region. Chautauqua Physical and Occupational  
Therapy, Jamestown NY, Saturday October 20, 2018.

Liebenson Part B Extremities: Prague School to Athletic Development. Course Chairman. Buffalo, NY, April 6-8,  
2018.

North American Spine Society-14<sup>th</sup>-NASS Evidence and Technology Spine Summit, Park City, Utah  
February 21-24, 2018.

Liebenson Part A Core: Prague School to Athletic Development. Course Chairman. Buffalo, NY, April 21-23, 2017.

North American Spine Society – 13<sup>th</sup> Evidence & Technology Spine Summit. Course Director and Faculty,  
Park City, Utah, February 22-25, 2017.

Current Concepts on Shoulder Function, Dysfunction, and Treatment of Shoulder Injuries. Faculty,  
W. Ben Kibler, MD, Robin Cromwell, PT and Aaron Sciacia, ATC, MS, PES. The Innovation Center,  
Buffalo, NY, June 3-4, 2016.

North American Spine Society – 12<sup>th</sup> Evidence & Technology Spine Summit. Course Director and Faculty,  
Park City, Utah, February 24-27, 2016.

Mechanisms of Knee Injuries: Implications for Evidence Based Rehabilitation, Injury Prevention &  
Return to Sport Decisions. Faculty, Christopher M. Powers, PhD PT FACSM FAPTA. Buffalo Cardiology and  
Pulmonary Associates, Williamsville, NY, June 27-28, 2015.

North American Spine Society – 11<sup>th</sup> Evidence & Technology Spine Summit. Course Director and Faculty,  
Snowbird, Utah, February 26-28, 2015.

McGill Level 2: The three hour back assessment: Reducing pain and enhancing performance. Faculty Stuart M.  
McGill, PhD. Buffalo Cardiology and Pulmonary Associates, Williamsville, NY, April 5-6, 2014.

North American Spine Society – 10<sup>th</sup> Evidence & Technology Spine Summit. Course Director and Faculty, Park  
City, Utah, February 27-March 1, 2014.

North American Spine Society – 9<sup>th</sup> Evidence & Technology Spine Summit. Course Director and Faculty, Park City,  
Utah, February 28-March 2, 2013

North American Spine Society – 8<sup>th</sup> Evidence & Technology Spine Summit. Course Director and Faculty. Park City,  
Utah, February 23-25, 2012.

North American Spine Society – 7<sup>th</sup> Evidence & Technology Spine Summit. Course Director and Faculty. Park City,  
Utah, February 2-5, 2011.

Exercise, Nutrition and Aging: A Scientific Approach. Course Director. Faculty: William Evans, Ph.D., FACSM,  
FACN and Nancy Clark, MS, RD, CSSD. Buffalo Spine and Sports Institute, Williamsville, NY,  
November 13-14, 2010.

Building the Ultimate Back: From Rehabilitation to High Performance. Course Director. Faculty: Stuart M. McGill,  
Ph.D. Buffalo Spine and Sports Institute, Williamsville, NY, September 26-27, 2009.

Where Orthopedics Meets Function. Course Director. Faculty: W. Ben Kibler, M.D. and Timothy L. Uhl, Ph.D., P.T.  
Buffalo Spine and Sports Institute, Williamsville, NY, May 7-8, 2010,

Introduction to Functional Exercise and Functional Manual Treatment. Course Chairman and Faculty. Buffalo  
Spine and Sports Institute, Williamsville, NY May 2-3, 2009.

Introduction to Functional Exercise and Functional Manual Treatment. Course Chairman and Faculty. Orthopedic  
Spine and Orthopedic Specialists. York, PA, November 8-9, 2008

Diagnostic Approach to Musculoskeletal Rehabilitation: Pain and Mechanical Classification Systems. Course  
Chairman. Faculty: Annie O'Connor, PT, Cert. MDT, Dave J. Pleva, MA, PT, Dip. MDT, Joel M. Press, MD  
Buffalo Spine and Sports Institute, P.C. Williamsville, NY, November 1-2, 2008.

Introduction to Functional Exercise and Functional Manual Treatment. Course Chairman and Faculty. The  
University of Rochester, Department of Orthopedics, Rochester, NY, September 6-7, 2008.

Management of the Whiplash Patient. Course Chairman. Presented by Adriaan Louw, M.App.Sc. (Physio), GCRM,  
CSMT Buffalo Spine and Sports Institute P. C., Williamsville, NY, November, 3-4, 2007.

Evaluating and Treating the Athlete and Non-Athlete: Functional Based Exercise and Manual Therapy  
Interventions, Course Chairman, Sports Physical Therapy of New York, New York,, NY May 19-20, 2007.

Shoulder Integration Concept, presented by John Tomberlin, MS PT. Course Chairman. Buffalo Spine and Sports  
Institute, P.C., Williamsville, NY, May 5-6, 2007.

Evaluating and Treating the Athlete and Non-Athlete: Functional Based Exercise and Manual Therapy  
Interventions, Course Chairman, St. Alfonsus Medical Center, Boise, Idaho, March, 3-4, 2007.

Lower Extremity Management for the Athletic Population, Course Chairman, Buffalo Spine and Sports Institute. Williamsville, NY, August 11, 2006.

Evaluating and Treating the Athlete and Non-Athlete: Functional Based Exercises and Manual Therapy Interventions, Course Chairman, The University of Washington, Seattle, WA, January 20-21, 2006.

The Functional Approach to Musculoskeletal Medicine III, co-chairman, The National Academy of Sports Medicine, Los Angeles, California, April 2-4, 2004

Manual Medicine World Spine II, Rehabilitation Institute of Chicago, Chicago, Illinois, August 10, 200

The Functional Approach to Musculoskeletal Medicine II, Co-Chairman, Rehabilitation Institute of Chicago, Chicago, Illinois, October 2001.

Rehabilitation Sports Medicine XIII, The Role of Manual Medicine & Exercise in Sports & Industry, Co-Chairman, Chicago, Illinois, December 7-9, 2000

The Functional Approach to Musculoskeletal Medicine, Co-Chairman, Buffalo, New York, October 15-17, 1999

The Principles and Treatment of Muscle Imbalances in Musculoskeletal and Sports Injuries: The Cervico-Thoracic & Scapular Regions, Course Chairman, sponsored by Buffalo Spine & Sports Medicine, Williamsville, New York, April 24, 1999

Breaking Down the Walls: The Physical Exam & Treatment of Muscle Imbalances/Neuromobilizations in Musculoskeletal and Sports Injuries: The Lumbo-Pelvic Region, sponsored by Buffalo Spine & Sports Medicine, Co-Chairman, Williamsville, New York, December 6, 1998

The Physical Examination & Treatment of Muscle Imbalances/Neuromobilizations in Musculoskeletal & Sports Injuries: The Lumbo-Pelvic Region, errata, Williamsville, New York, October 24, 1998, Course Chairman

Prevention of Low Back Pain, Chairman, sponsored by Buffalo Spine & Sports Medicine, Williamsville, New York, October 1, 1998.

Exercise & Exercise Equipment, What You Need to Know Before Buying Another Piece of Exercise Equipment, Chairman, sponsored by Buffalo Spine & Sports Medicine, Williamsville, New York, December 4, 1997

Physical Examination & Treatment of the Spine: A Practical Approach for the Primary Care Clinician with Emphasis on Muscle Imbalances and Neuromobilizations, errata, Williamsville, New York, November 15, 1997, Course Chairman

Level-II: Muscle Imbalances - Emphasis on Combined Craniosacral & Neuromobilization Techniques, Chairman, sponsored by Buffalo Spine & Sports Medicine, Williamsville, New York, October 25, 1997

The Principles & Treatment of Muscle Imbalances & Myofascial Release in Musculoskeletal & Sports Injuries: The Cervical-Thoracic & Scapular Regions, Chairman, Canton, Ohio, April 5, 1997

Muscle Imbalances - Lumbo-pelvic Region, Chairman, sponsored by Buffalo Spine & Sports Medicine, PC, Williamsville, New York, November 1996

Physiatric Association of Spine, Sports & Occupational Rehabilitation, Co-Chairman - Annual Meeting, Chicago, Illinois, October 12-13, 1996

Chairman and Hands-on Workshop Coordinator, Physiatric Association of Spine, Sports & Occupational Rehabilitation Annual Meeting, Chicago, Illinois, October 12-13, 1996

The Principles & Treatment of Muscle Imbalances in Musculoskeletal & Sports Injuries: The Lumbo-Pelvic Region, Chairman, sponsored by Buffalo Spine & Sports Medicine, PC, Williamsville, New York, June 1, 1996

Muscle Imbalances - Cervical, Thoracic Region, Chairman, sponsored by Buffalo Spine & Sports Medicine, PC, Williamsville, New York, May 1996

The Principles & Treatment of Muscle Imbalances in Musculoskeletal & Sports Injuries: The Lumbo-Pelvic Region - Including Myofascial Release Techniques, Chairman, Canton, Ohio, April 13-14, 1996

Muscle Imbalances - Lumbo-pelvic Region, Chairman, Sponsored by Buffalo Spine & Sports Medicine, PC, The Sports Medicine of Soccer, Including Lower Extremity & Spine Injuries in Sports, Chairman, Daemen College, August 25, 1994

Shoulder Injuries in the Throwing Athlete, Co-Chairman, Daemen College, May 25, 1993

Exercise Prescription as an Adjunct to Manual Medicine, Course Chairman, Philip Greenman, D.O., Mark Bookhout, M.S., P.T., Williamsville, New York, May 22-23, 1993

Mechanical Disorders of the Pelvis/Sacroiliac Region, Course Co-Chairman/Lecturer: Muscle Imbalances, Williamsville, NY, November 3, 1990

Spinal Orthotics - Course Co-Chairman and Lecturer in Cervical Lumbar Orthoses and Spine Stabilizing Exercises, April 19-21, 1989

#### **Continuing Medical Education/National Scientific Meetings**

VRT 1: Introduction to Vestibular Rehab. Evidence CEU. D'Youville University, Buffalo, NY. June 3-4, 2022.

North American Spine Society 36th Annual Meeting. Boston Convention and Exhibition Center Boston, Massachusetts. Virtual Experience. Sept. 29-Oct. 2, 2021.

North American Spine Society 35th Annual Meeting. Virtual Experience October 7-10, 2020.

North American Spine Society 34<sup>th</sup> Annual Meeting. Chicago, IL, September 25-28, 2019.

Treating Pain: Alternatives to Opioids. Hosted by: The Erie County Department of Health and Catholic Health. Buffalo, NY, November 9, 2019.

North American Spine Society 34<sup>th</sup> Annual Meeting. Chicago, IL, September 25-28, 2019.

Graded Motor Imagery: Neuro-orthopedic Institute. Buffalo, NY June 1-2, 2019.

North American Spine Society-15<sup>th</sup> Annual Evidence and Technology Spine Summit. Park City, Utah. February 13-16, 2019.

A World of Hurt: Central Nervous System Pain Mechanisms, Patient Education & Exercise Prescriptions. Faculty: Annie O'Connor, PT, OCS, Cert. MDT and Melissa Watson, MSPT, Cert. MDT. Buffalo, NY, March 8-9, 2018.

Prague School to Athletic Development Part B: Extremities. Craig Liebenson, DC. Buffalo, NY, April 6-8, 2018.

North American Spine Society-14<sup>th</sup> Annual Evidence and Technology Spine Summit. Park City, Utah. February 21-24, 2018.

Regenerative Medicine Update: Platelet Rich Plasma and Stem Cell Use in Musculoskeletal Medicine. Lecture/Cadaver Workshop on Bone Marrow Aspirate Concentrate. Arthrex Headquarters, Naples, FL, October 22, 2017.

Prague School to Athletic Development Part A: Core. Craig Liebenson, DC. Buffalo, NY, April 21-23, 2017.

A World of Hurt: A Guide to Classifying Pain. Faculty: Annie O'Connor, PT, OCS, Cert. MDT and Melissa Watson, MSPT, Cert. MDT. Buffalo, NY, March 17-18, 2017.

North American Spine Society- 13<sup>th</sup> Annual Evidence and Technology Spine Summit. Park City, Utah, February 22-25, 2017.

North American Spine Society-31st Annual Meeting. Boston, MA. October 26-29, 2016.

American Academy of Physical Medicine and Rehabilitation, 76<sup>th</sup> Annual Assembly. New Orleans, LA, October 20-23, 2016.

Regenerative Medicine: Current Concepts and Brave New Paradigms in the Treatment of Musculoskeletal Conditions. Preconference Course. American Academy of Physical Medicine and Rehabilitation, 76<sup>th</sup> Annual Assembly. New Orleans, LA, October 19, 2016.

Current Concepts on Shoulder Function, Dysfunction, and Treatment of Shoulder Injuries. Faculty, W. Ben Kibler, MD, Robin Cromwell, PT and Aaron Sciascia, MS ATC PES. The Innovation Center, Buffalo, NY, June 3-4, 2016.

North American Spine Society – 12th Annual Evidence and Technology Spine Summit. Park City, Utah. February 24-27, 2016.

North American Spine Society-30th Annual Meeting. Chicago, IL. October 14-17, 2015.

Mechanisms of Knee Injuries: Implications for Evidence Based Rehabilitation, Injury Prevention & Return to Sport Decisions. Faculty, Christopher M. Powers, PhD PT FACSM FAPTA. Buffalo Cardiology and Pulmonary Associates, Williamsville, NY, June 27-28, 2015.

North American Spine Society – 11<sup>th</sup> Annual Evidence and Technology Spine Summit. Snowbird, Utah. February 26-28, 2015.

McKenzie – Mechanical Diagnosis and Therapy: Part B. Daemen College, Amherst, NY, August 22-24, 2014.

The Orthobiologic Institute – 5<sup>th</sup> Annual Meeting on Platelet Rich Plasma & Regenerative Medicine Symposium with Cadaver Lab. Red Rock Resort, Las Vegas, NV. June 6-7, 2014.

McGill Level 2: The three hour back assessment: Reducing pain and enhancing performance. Faculty Stuart M. McGill, PhD. Buffalo Cardiology and Pulmonary Associates, Williamsville, NY, April 5-6, 2014.

North American Spine Society – 10<sup>th</sup> Annual Evidence and Technology Spine Summit. Park City, Utah. February 27-March 1, 2014.

McKenzie – Mechanical Diagnosis and Therapy: Part A. Daemen College, Amherst, NY, January 17-19, 2014.

Exercise-Based Management of Lumbar Spine Pain: An Algorithmic Approach to Decision-Making. North American Spine Society-28th Annual Meeting. New Orleans, LA. October 9, 2013.

North American Spine Society-28th Annual Meeting. New Orleans, LA. October 9-12, 2013.

North American Spine Society – 9<sup>th</sup> Annual Evidence and Technology Spine Summit. Park City, Utah. February 28-March 2, 2013

Advanced Musculoskeletal Ultrasound. Gulfcoast Ultrasound Institute, St. Pete's Beach, FL, June 8-9, 2012.

Section on Rehabilitation, Interventions, and Medical Spine: Cervical and Thoracic Pain: Diagnosis and

Treatment. NASS Spine Education and Research Center. Burr Ridge, IL, April 27-28, 2012  
North American Spine Society – 8<sup>th</sup> Annual Evidence & Technology Spine Summit, Park City, Utah. February 23-25, 2012.  
North American Spine Society-26<sup>th</sup> Annual Meeting. Chicago, IL. November 2-5, 2011.  
International Spine Intervention Society, 19<sup>th</sup> Annual Meeting. Chicago, IL. August 10-13, 2011.  
Seventh Annual Evidence & Technology Spine Summit, Park City, Utah. February 2-5, 2011.  
Sixth Annual Evidence & Technology Spine Summit, Steamboat Springs, CO, January 15-18, 2010.  
North American Spine Society – 24<sup>th</sup> Annual Meeting. San Francisco, CA, November 11-14, 2009.  
Rehabilitation Medicine for Spine Surgeons and other Spine Specialists. North American Spine Society, Burr Ridge, IL, September 12, 2009.  
4<sup>th</sup> Annual Central Virginia Spine Symposium: Accurate Diagnostic and Effective Therapeutic Interventions for Chronic Low Back Pain. Jefferson Hotel, Richmond, VA, April 17-10, 2009.  
Fifth Annual Evidence & Technology Spine Summit, Steamboat Springs, CO, February 5-8, 2009.  
Diagnostic and Therapeutic Musculoskeletal Ultrasound: Faculty: Paul Lento, M.D., Rehabilitation Institute of Chicago, Northwestern University. Buffalo Spine and Sports Institute, P.C. Williamsville, NY June 6-7, 2009.  
Diagnostic Approach to Musculoskeletal Rehabilitation: Pain and Mechanical Classification Systems. Course Chairman. Faculty: Annie O'Connor, PT, Cert. MDT, Dave J. Pleva, MA, PT, Dip. MDT, Joel M. Press, MD Buffalo Spine and Sports Institute, P.C. Williamsville, NY, November 1-2, 2008  
American Academy of Physical Medicine and Rehabilitation, 69<sup>th</sup> Annual Assembly, San Diego, CA, November 20-23, 2008.  
Clinical Applications of Neurodynamics: Lower Quarter. Neuro-orthopaedic Institute, Buffalo Spine and Sports Institute, P.C., Williamsville, NY, May 3-4, 2008.  
Rehabilitation Sports and Spine Symposium XXI: The Spine, Rehabilitation Institute of Chicago, Chicago IL, April 25-27, 2008.  
The 4<sup>th</sup> Annual Emerging Technologies of the Spine, Jackson Hole, WY, February 6-10, 2008.  
The 20<sup>th</sup> Annual Disorders of the Spine, Whistler, B.C., Canada, January 24, 2008.  
Bone Strength Through Innovation. Presented by Susan Bukata, MD. Amherst, NY, November 15, 2007.  
Functional Restoration Outcomes. Presented by Robert Gatchel, Ph.D. and Diagnosis and Management of Adult Thoraco-Lumbar Spinal Deformity. Presented by Ross Moquin, MD at Spine Study Group, University of Rochester, Rochester, NY, November 8, 2007.  
Management of the Whiplash Patient. Presented by Adriaan Louw, M.App.Sc. (Physio), GCRM, CSMT Buffalo Spine and Sports Institute, Williamsville, NY, November, 3-4, 2007.  
The 2<sup>nd</sup> Annual Central Virginia Spine Symposium, University of Virginia, Richmond, VA, June 8, 2007.  
Shoulder Integration Concept, presented by John Tomberlin, MS PT at Buffalo Spine and Sports Institute, Williamsville, NY, May 5-6, 2007.  
Rehabilitation Sports Medicine XX, Sports and Spine Symposium: The Spine in Sports, Chicago, IL, April, 27-29, 2007.  
Musculoskeletal Ultrasound in Rheumatology, University of Rochester, Rochester, NY, March 30-April 1, 2007.  
The 19<sup>th</sup> Annual Disorders of the Spine: Whistler, BC, Canada, January 13-19, 2007  
Rehabilitation Sports Medicine XIX, Sports and Spine Symposium: Lower Body Approach, Chicago, IL, April, 28-30, 2006.  
Principles of Fitness and Training Applied to the Athlete & Patient Rehabilitation. Tudor O. Bompa, Ph.D., Buffalo Spine and Sports Institute, PC, Williamsville, NY, March 25-26, 2006.  
The 18<sup>th</sup> Annual Disorders of the Spine: Whistler, B.C., Canada, January 14-20, 2006.  
Mobilization of the Nervous System: Clinical Applications 2: Upper Limb, Thorax and Neck. David Butler team, Buffalo, New York, September 24-25, 2005.  
and the NOI team, Buffalo, New York, November 5-6, 2005.  
Mobilization of the Nervous System: Diagnosis and Management of Physical Dysfunction of the Nervous System in a Clinical Reasoning Framework. Neuro Orthopedic Institute, David Butler and the NOI  
Rehabilitation Sports Medicine XVIII, Sports & Spine Rehabilitation Symposium: Lower Body Approach, Chicago, Illinois, April 29 – May 1, 2005.  
Emerging Technologies Spine Education Summit, Telluride, Colorado, March 2- 5, 2005  
Rehabilitation Sports Medicine XVII, Sports & Spine Rehabilitation Symposium: Upper Body Approach, Chicago,



Illinois, December 10-12, 2004.  
North American Spine Society – 19<sup>th</sup> Annual Meeting, Chicago, Illinois, October 27-30, 2004 Illinois,  
American Academy of Physical Medicine and Rehabilitation, Phoenix, Arizona, October 7-9, 2004  
Physicians' Reciprocal Insurers, 5-hour Risk Management Excess & Premium Reduction Course and Home Study  
Project, May 1, 2004  
Rehabilitation Sports Medicine XVI, Sports & Spine Rehabilitation Symposium: Lower Extremity & Spine,  
Rehabilitation Institute of Chicago, Chicago, Illinois, April 22-24, 2004  
Radiology for the Injectionist, International Spinal Injection Society, New Orleans, LA November 15, 2003  
North American Spine Society, World Spine II, Manual Therapy and Manipulation, Chicago, Illinois, August 10,  
2003  
Rehabilitation Sports Medicine XV, Sports-Specific Functional Rehabilitation: Upper Limb Dominant Sports,  
Chicago, Illinois, April 24-26, 2003  
North American Spine Society - 17<sup>th</sup> Annual Conference, Montreal, Quebec, Canada, October 2002  
Abstract Reviewer for North American Spine Society Annual Meeting 2002  
Rehabilitation Sports Medicine XIV, Sports-Specific Functional Rehabilitation: Controversies in Running-Related  
Sports, Chicago, Illinois, December 6-8, 2001  
Michigan State University, College of Osteopathic Medicine, Exercise Prescription as an Adjunct to Manual  
Medicine, November 7-11, 2001  
The Functional Approach to Musculoskeletal Medicine II, Rehabilitation Institute of Chicago, Chicago, Illinois,  
October 2001  
Physiatric Association of Spine, Sports & Occupational Rehabilitation - Hands-on Cadaver Course, New Orleans,  
Louisiana, September 11-12, 2001  
Michigan State University, College of Osteopathic Medicine, Exercise Prescription as an Adjunct to Manual  
Medicine, May 16-20, 2001  
Chain Reaction Explosion Seminar: by Gary Gray, PT and David Tiberio, PT, PhD, Chicago, Illinois, April 5-7,  
2001  
Rehabilitation Sports Medicine XIII, The Role of Manual Medicine & Exercise in Sports & Industry, Chicago,  
Illinois, December 7-9, 2000  
North American Spine Society - 15<sup>th</sup> Annual Conference, New Orleans, Louisiana, October 2000  
Physical Medicine & Rehabilitation - 16<sup>th</sup> Annual Update, Park City, Utah, January 30, 2000  
Physiatric Association of Spine, Sports & Occupational Rehabilitation - 7<sup>th</sup> Annual Conference, Washington, DC,  
November 12-14, 1999  
American Academy of Physical Medicine & Rehabilitation - Annual Assembly, Washington, DC, November 1999  
North American Spine Society - 14<sup>th</sup> Annual Conference, Chicago, Illinois, October 1999  
The Functional Approach to Musculoskeletal Medicine, Buffalo, New York, October 15-17, 1999  
Orthotic Reaction: by Michael Hansen, MPT, Chicago, Illinois, August 27-29, 1999  
Chain Reaction Festival: by Gary Gray, PT, Chicago, Illinois, May 14-16, 1999  
Rehabilitation Sports Medicine XI: Rehabilitation of Low Back Pain: Case Studies, Rehabilitation Institute of  
Chicago, Chicago, Illinois, December 11, 1998  
Prince Lecture: "The Scientific Basis of the Physiatric Examination of the Spine: Why the Orthopedic & Neurologic  
Exams are Not Enough", presented at the Rehabilitation Institute of Chicago, Chicago, Illinois, December 9,  
1998  
American Academy of Physical Medicine & Rehabilitation - Annual Assembly, Seattle, Washington, November,  
1998  
Physiatric Association of Spine, Sports & Occupational Rehabilitation - 6<sup>th</sup> Annual Meeting, Orlando, Florida,  
March 20-22, 1998  
Association of Academic Physiatrists - Annual Meeting, Colorado Springs, Colorado, February 26 - March 1, 1997  
Physiatric Association of Spine, Sports & Occupational Rehabilitation - Supplemental Meeting, Vancouver,  
Canada, October 1996  
North American Spine Society - 11<sup>th</sup> Annual Conference, Vancouver, Canada, October 23-26, 1996  
Physiatric Association of Spine, Sports & Occupational Rehabilitation, Chairman - Annual Meeting, Chicago,  
Illinois, October 12-13, 1996  
Mobilization of the Nervous System, Part II, by Neuro-Orthopedic Institute, Michael Schacklock, P.T., Buffalo,  
New York, May 1996  
Physiatric Association of Spine, Sports & Occupational Rehabilitation - Annual Meeting, Orlando, Florida,  
October 1995

Mobilization of the Nervous System, Part I, by Neuro-Orthopedic Institute, Michael Schacklock, P.T., Buffalo, New York, May 1995  
Michigan State University, Alumni Course, Orlando, Florida, March 2-4, 1995  
Rehabilitation Sports Medicine VII: Overload Injuries in the Athlete, Rehabilitation Institute of Chicago, Chicago, Illinois, December 8-10, 1994  
American College of Sports Medicine Annual Meeting, Indianapolis, Indiana, June 1-4, 1994  
Cervical Spine and Shoulder in Industry and Sports, Southern Pain Society, Dallas, Texas, March 12-13, 1994  
Rehabilitation Sports Medicine VII: Overload Injuries in the Athlete, Rehabilitation Institute of Chicago, Chicago, Illinois, December 8-10, 1994  
American College of Sports Medicine Annual Meeting, Indianapolis, Indiana, June 1-4, 1994  
Cervical Spine and Shoulder in Industry and Sports, Southern Pain Society, Dallas, Texas, March 12-13, 1994  
Rehabilitation Sports Medicine VI: Aging Athlete, Rehabilitation Institute of Chicago, Chicago, Illinois, December 9-11, 1993  
Inaugural meeting - Physiatric Association of Spine, Sports & Occupational Rehabilitation, Miami Beach, Florida, November 4-5, 1993  
American Academy of Physical Medicine & Rehabilitation Annual Meeting, Miami Beach, Florida, October 31 - November 3, 1993  
North American Spine Society Annual Meeting, San Diego, California, October 14-16, 1993  
International Spinal Injection Society: Precise Localization of Low Back Pain and Sciatica, San Diego, California, October 13, 1993  
Shoulder Injuries in the Throwing Athlete, Co-Chairman, Daemen College, May 25, 1993  
Exercise Prescription as an Adjunct to Manual Medicine, Course Chairman, Philip Greenman, D.O., Mark Bookhout, M.S., P.T., Williamsville, New York, May 22-23, 1993  
American Back Society, Buffalo, New York, May 19-21, 1993  
Myofascial Release: Robert Ward, D.O., Faculty Member, D'Youville College, February 12-14, 1993.  
Cranio-sacral I: Michigan State University, College of Osteopathic Medicine, January 13-17, 1993  
Manual Medicine of Extremities in Relationship to Sports Medicine: Michigan State University, College of Osteopathic Medicine, November 20-22, 1992  
First World Congress: Low Back Pain and its Relationship to the Sacroiliac Joint, San Diego, CA, November 5-6, 1992  
Myofascial Release II: Michigan State University, College of Osteopathic Medicine, Robert Ward, D.O., September 25-27, 1992  
American Back Society, New Orleans, LA, May 5-10, 1992  
North American Spine Society, Boston, MA, July 8-10, 1992  
Craniosacral/Myofascial Release Seminar, John F. Barnes, P.T., Buffalo, NY, April 10-12, 1992  
Peace, Love & Healing - workshop with Bernie Siegel, M.D., Roswell Park Cancer Institute, November 21, 1991  
American Academy of Physical Medicine and Rehabilitation/American Congress of Rehabilitation Annual Meeting, Washington, D.C., October 27-31, 1991  
North American Spine Society, Keystone, Colorado, July 30 - August 4, 1991  
American Back Society, Toronto, Canada, May 1-5, 1991  
Tutorial on Spine Diagnostic/Therapeutic Injections Under Fluoroscopic Guidance and Spine Radiology: Charles N. Aprill, M.D., Diagnostic Conservative Management, New Orleans, LA, January 7-18, 1991 and May 3-7, 1992  
Rehabilitation Sports Medicine III: Focus on Lower Extremity, Rehabilitation Institute of Chicago, December 6-8, 1990  
Myofascial Release I: Michigan State University, Robert Ward, D.O., September 28-30, 1990  
North American Spine Society - Monterey, CA, August 9-12, 1990  
Muscle Imbalances in Low Back Pain: Michigan State University, College of Osteopathic Medicine, Vladamir Janda, M.D., May 7-9, 1990  
Manual Medicine: Direct Action Thurst. Michigan State University, College of Osteopathic Medicine, March 28 - April 1, 1990  
Rehabilitation Sports Medicine II: Focus on the Upper Extremity, Rehabilitation Institute of Chicago, December 14-16, 1989  
Tutorial Level I - Muscle Energy Techniques - Michigan State University, College of Osteopathic Medicine, September 9-13, 1989  
North American Spine Society, Quebec City, CA, June 20 - July 2, 1989

Principles of Manual Medicine - Michigan State University, College of Osteopathic Medicine, Part I & II, November 1988, January 1989  
Rehabilitation Sports Medicine: Focus on the Spine in Sports - Rehabilitation Institute of Chicago, December 8-10, 1988  
American Academy of Physical Medicine and Rehabilitation/American Congress of Rehabilitation Medicine, Orlando, Florida, October 19-24, 1987; Seattle, Washington, October 30, 1988

### **Teaching / Lectures / Workshops:**

"Resident Workshop: Physical Examination of the Cervical, Thoracic and Lumbar Spine. University of Rochester. Orthopedic and Sports Performance Center. August 22, 2024.  
"Resident Workshop: Physical Examination of the Shoulder, Hip and Knee. University of Rochester. Orthopedic and Sports Performance Center. July 18, 2024.  
"Guided Injection Workshop." SUNY@ Buffalo, Jacobs School of Medicine and Biomedical Sciences. January 23, 2023 and May 1, 2024.  
"Medical Treatment of Cervical and Lumbar Spine Injuries in Athletes." SUNY @ Buffalo Sports Medicine Fellowship Lecture Series. January 24, 2024. Also 1992-2023.  
"Exercise is Regenerative Medicine: From Wear and Tear to Wear and Repair." Course chair and Presenter. Evanston, IL. December 2, 2023.  
"Lumbar Spine Stabilization Lecture and Workshop." D'Youville University, Dept. of Physical Therapy. Orthopedics I. November 3, 2023.  
"Physical Examination of the Shoulder, Hip and Knee." Medical Student Workshop. SUNY @ Buffalo Jacobs School of Medicine and Biomedical Sciences. November 1, 2023.  
"Exercise is Regenerative Medicine: A Functional Kinetic Chain Approach" Chairperson and Presenter. Presented on original exercises developed for treatment of Osteoarthritis, Hip and Shoulder Labral Tears and Knee Meniscal Tears. Amherst, NY, November 13, 2021.  
"Medical Spine Care: When you classify pain you can treat it not just Manage it." SUNY at Buffalo Neurology Grand Rounds. Buffalo, NY. September 9, 2021.  
"Medical Spine Care: Classifying Pain into 3 Peripheral and 3 Central Mechanisms". Catholic Health Annual Educational Symposium. Buffalo, NY. May 19, 2021.  
"Peripheral Pain Mechanisms." Treating Pain: Alternatives to Opioids. Hosted by: The Erie County Department of Health and Catholic Health. Buffalo, NY, November 9, 2019.  
"Spine Stabilization Lecture and Workshop Levels I-V." Trainsmart, Buffalo, NY September 28, 2019.  
"The Evaluation and Treatment of The Functional Kinetic Chain: Where do we begin?" The Movement Assessment Tests-7. The Shirley Ryan AbilityLab, Chicago, IL, September 24, 2019.  
"The McGill Method: Levels 1-3. Lab Instructor. Buffalo, NY March 29-31, 2019.  
"Overview: Some patients are surgical successes but rehab failures: Here is what you can do about it. The 15<sup>th</sup> Annual NASS Evidence and Technology Spine Summit. Park City, Utah February 15, 2019.  
"A Functional Kinetic Chain Approach to the Lumbo-Pelvic Region." Jones Memorial Hospital, Wellsville NY Saturday October 27, 2018.  
"A Functional Kinetic Chain Approach to the Lumbo-Pelvic Region." Chautauqua Physical and Occupational Therapy, Jamestown NY, Saturday October 20, 2018.  
"Lumbar Spine Stabilization: Evaluation and Treatment in an Efficient Timeframe." Spinal Exercise Strategies PT 722 A Daemen College Orthopaedic Manual Physical Therapy (OMPT) Fellowship Course, Friday November 2, 2018.  
"Neuromobilizations: Evaluation and Treatment of the Container." Catholic Health Wednesday November 14, 2018.  
"Overview: Physical Exam Findings to Differentiate Disc from Bone Pathology and Clinical Instability." The 14<sup>th</sup> Annual NASS Evidence and Technology Spine Summit, Park City, Utah. February 23, 2018.  
"Core Stabilization." Washington University in St. Louis. Department of Orthopedics, Section in Physical Medicine and Rehabilitation Guest Lecturer St. Louis, MO. November 17, 2017.  
"Core Stabilization." WNYAPTA Chapter. D'Youville College. Buffalo NY November 15, 2017.  
"Medical Spine Care: Understanding the role of spine stabilization exercises, injections and indications for spine surgery." Evidence Based Practice in Managing Spine Pain. Catholic Health. Buffalo, NY November 11, 2017.  
"Neuromobilizations: Evaluation and Treatment of the Container." Daemen College, Fellowship Program, Amherst, NY, November 3, 2017.

- "Medical Spine Care of the Athlete." University Orthopedic Sports Medicine Lecture Series. Buffalo, NY, September 20, 2017.
- "Lumbar Stabilization: From McGill to Liebenson and Back Again." Daemen College, Fellowship Program, Amherst NY, September 8, 2017.
- "Lumbar Stabilization: From McGill to Liebenson and Back Again. Catholic Health, Buffalo, NY, June 2, 2017.
- "Lumbar Stabilization." The 13<sup>th</sup> Annual NASS Evidence and Technology Spine Summit, Park City, Utah February 25, 2017.
- "The Aging Spine: Focus on Prevention." The 13<sup>th</sup> Annual NASS Evidence and Technology Spine Summit, Park City, Utah February 23, 2017.
- "Medical Spine Care of the Low Back and Neck." Options for Managing Back and Neck Pain. The Catholic Health System. Buffalo, NY, November 12, 2016.
- "Clinical Pearls in Musculoskeletal Medicine." The Annual Assembly of the American Academy of Physical Medicine and Rehabilitation. New Orleans, LA, October 21, 2016.
- "The Evaluation and Treatment of the Container-Upper Quarter: The Cervico-Thoracic Region." The Catholic Health System, April 22, 2016.
- "Platelet Rich Plasma and Stem Cell Therapy Basics." The 12<sup>th</sup> Annual NASS-Evidence and Technology and Spine Summit, Park City, Utah February 27, 2016.
- "Body Weight: Squats, Lunges, Step ups/downs and Balance-Reach." The 12<sup>th</sup> Annual NASS-Evidence and Technology and Spine Summit, Park City, Utah February 25, 2016.
- "Regenerative Medicine: Platelet Rich Plasma and Stem Cell Therapy." November 4, 2015 WNYPTA Chapter D'Youville College. Buffalo, NY.
- "The Functional Kinetic Chain in the Throwing Athlete: Injury Prevention and Performance". Baseball/Softball Injury Prevention and Performance Seminar. AbsolutePerformance, October 3, 2015.
- "Workshop Cervico-Thoracic Evaluation and Treatment." The 11<sup>th</sup> Annual NASS-Evidence and Spine Summit, Snowbird, Utah February 27, 2015.
- "Exercises for the Cervical and Thoracic Spine: Motor Control and Endurance." The 11<sup>th</sup> Annual NASS-Evidence and Spine Summit, Snowbird, Utah February 27, 2015.
- "Regenerative Medicine of the Spine: Introduction and Overview: Does it have Value." The 11<sup>th</sup> Annual NASS-Evidence and Spine Summit, Snowbird, Utah February 26, 2015.
- "The Aging Spine: Focus on Prevention." The Buffalo Rehab Group-YMCA. Williamsville, NY, January 15, 2015.
- "The Aging Spine: Focus on Prevention." The Buffalo Rehab Group 2100 Union Rd., West Seneca, NY, February 18, 2015.
- "An Algorithmic Approach to Treating Lumbar Spine Pain." Lecture and Workshop. Advanced Care Physical Therapy, Niagara Falls Clinic. June 13, 2014.
- "The Aging Spine: Focus on Prevention." The Buffalo Rehab Group-YMCA. Williamsville, NY, January 15, 2014.
- "The Aging Spine: Focus on Prevention." Chautauqua Physical and Occupational Therapy. Jamestown, NY, December 4, 2013.
- "An Algorithmic Approach to Treating Lumbar Spine Pain." Lecture and Workshop. Sports Physical Therapy of New York. Tonawanda, NY Clinic, November 22, 2013.
- "The Aging Spine: Focus on Prevention." Grand Rounds, University at Buffalo, Department of Neurosurgery, Gates Vascular Institute. October 31, 2013.
- "Motor Control Impairment: Clinical Testing and Treatment." Exercise-Based Management of Lumbar Spine Pain: An Algorithmic Approach to Decision-Making. North American Spine Society, 28<sup>th</sup> Annual Meeting, New Orleans, LA, October 9, 2013.
- "Physical Therapy after Invasive Treatment; Why?" Exercise-Based Management of Lumbar Spine Pain: An Algorithmic Approach to Decision-Making. North American Spine Society, 28<sup>th</sup> Annual Meeting, New Orleans, LA, October 9, 2013.
- "Neck-Shoulder Differential Diagnosis: Anatomy and Biomechanics." North American Spine Society, 28<sup>th</sup> Annual Meeting, New Orleans, LA, October 11, 2013.
- "Workshop on Physical Examination of Neck-Shoulder Differential Diagnosis." North American Spine Society, 28<sup>th</sup> Annual Meeting, New Orleans, LA, October 11, 2013.
- "Overview and Differential Diagnosis" – Pediatric and Adolescents with Low Back Pain. 9<sup>th</sup> Annual NASS-Evidence and Technology Spine Summit, Park City, Utah February 28, 2013.
- "Overview and Focus on Prevention"- The Aging Spine. 9<sup>th</sup> Annual NASS- Evidence and Technology Spine Summit, Park City, Utah March 1, 2013.
- "Evidence Based Physical Therapy"- Cervical Spine Focus on Disc Herniations. 9<sup>th</sup> Annual NASS-

- Evidence and Technology Spine Summit, Park City, Utah March 2, 2013.
- "Treatment of the Container and Neuromobilizations"- Cervical Spine Radiculopathy. 9<sup>th</sup> Annual NASS-Evidence and Technology Spine Summit, Park City, Utah March 2, 2013.
- "Musculoskeletal Evaluation of the Kinetic Chain." Section on Rehabilitation, Interventions, and Medical Spine: Cervical and Thoracic Pain: Diagnosis and Treatment. NASS Spine Education and Research Center. Burr Ridge, IL, April 27, 2012.
- "Exercise III: Rehabilitation Specifics." Section on Rehabilitation, Interventions, and Medical Spine: Cervical and Thoracic Pain: Diagnosis and Treatment. NASS Spine Education and Research Center. Burr Ridge, IL, April 27, 2012.
- "Exercise and Posture: Thoracic." Section on Rehabilitation, Interventions, and Medical Spine: Cervical and Thoracic Pain: Diagnosis and Treatment. NASS Spine Education and Research Center. Burr Ridge, IL, April 28, 2012.
- "Postural Alignment and What Else Does it Lead to?" Evidence & Technology Spine Summit, Park City, Utah. February 25, 2012.
- "How to Evaluate Spine Stability, Endurance and Motor Control: The 10-Minute Evaluation for the Busy Clinician." Evidence & Technology Spine Summit, Park City, Utah. February 23, 2012.
- "New Techniques for Discogenic Pain and Stability." Evidence & Technology Spine Summit, Park City, Utah. February 24, 2012.
- "The Aging Spine: Focus on Prevention." The Utah Academy of Pain Medicine, Salt Lake City, UT. February 22, 2012.
- "Strengthening and Stretching". Instructional Course: Section on Rehabilitation, Interventions and Medical Spine Care: Thoracic Spine Pain. The North American Spine Society, 26<sup>th</sup> Annual Meeting. Chicago, IL. November 2, 2011.
- "Postural Alignment". Instructional Course: Section on Rehabilitation, Interventions and Medical Spine Care: Thoracic Spine Pain. The North American Spine Society, 26<sup>th</sup> Annual Meeting. Chicago, IL. November 2, 2011.
- "Physical Therapy, Chiropractic, and Other Treatments: An adjunct to or when interventional treatments are not indicated." International Spine Intervention Society, 19<sup>th</sup> Annual Meeting. Chicago, IL. Saturday August 13, 2011. Seventh Annual Evidence & Technology Spine Summit, Park City, Utah. February 2-5, 2011.
- "Natural History and Non-op Treatment of Spondylolysis." Evidence & Technology Spine Summit, Park City, Utah. February 4, 2011.
- "Non-surgical hands on workshop-Evaluation and treatment of the container in patients with cervical radiculopathy." Evidence & Technology Spine Summit, Park City, Utah February 3, 2011.
- "Non-surgical hands on workshop-Evaluation of Spine Stability in a 5-10 Minute Re-Visit for the Busy Clinician." Evidence & Technology Spine Summit, Park City, Utah February 4, 2011.
- Sixth Annual Evidence & Technology Spine Summit, Steamboat Springs, CO, January 15-18, 2010.
- "Spine Training for Skiing." Evidence & Technology Spine Summit, Steamboat Springs, CO, January 15, 2010.
- "Positional/Harness MRI in Assessment of Lumbar Disc Herniation." Evidence & Technology Spine Summit, Steamboat Springs, CO, January 15, 2010.
- North American Spine Society – 24<sup>th</sup> Annual Meeting. "Low Back Pain: How to Monitor Progress in Physical Therapy."
- "Pre-season training for the 70 year old golfer: Changes in the golf swing related to spine pathology and following fusion." San Francisco, CA, November 11-14, 2009.
- Rehabilitation Medicine for Spine Surgeons and other Spine Specialists.
- "Poorly Responsive LBP: Rehabilitation/Functional Restoration"
- "Acute and Subacute Neck and Thoracic Pain: Strength Training Specifics"
- North American Spine Society, Burr Ridge, IL, September 12, 2009.
- 4<sup>th</sup> Annual Central Virginia Spine Symposium: Accurate Diagnostic and Effective Therapeutic Interventions for Chronic Low Back Pain. The Evaluation and Treatment of the Spine and its Functional Kinetic Chain Jefferson Hotel, Richmond, VA, April 17-10, 2009.
- Fifth Annual Evidence & Technology Spine Summit, Steamboat Springs, CO, February 5-8, 2009.
- "Degenerative Scoliosis in Pre-Existing Idiopathic Scoliosis PT, Meds and Brace Treatments"
- "Pediatric and Adolescent Non-Op Breakout Session on Evidence-Based Treatments for Special Populations with Spine Conditions"

"The Role for Physical Therapy: Non-Op Breakout Session on SI Joint Pain"  
The 4<sup>th</sup> Annual Emerging Technologies of the Spine, Jackson Hole, WY, February 6-10, 2008.

"The Physical Examination of the Shoulder Region." AAPMR 69<sup>th</sup> Annual Assembly Resident Section, San Diego, CA, November 20, 2008.

"The Shoulder-Neck Syndrome." AAPMR 69<sup>th</sup> Annual Assembly, San Diego, CA, November 20, 2008.

"The Evaluation and Treatment of the Upper Quarter." AAPMR 69<sup>th</sup> Annual Assembly, San Diego, CA, November 21, 2008.

"The Athletic Shoulder: Multi-directional Instability." AAPMR 69<sup>th</sup> Annual Assembly, San Diego, CA, November 22, 2008

Evaluating and Treating the Athlete and Non-Athlete: Functional Based Exercise and Manual Therapy Interventions, Course Chairman, Orthopedic Spine and Specialists, York, PA, November 8-9, 2008..

Evaluating and Treating the Athlete and Non-Athlete: Functional Based Exercise and Manual Therapy Interventions, Course Chairman, University of Rochester Medical Center, Dept., of Orthopedics, Rochester, NY, September, 6-7, 2008.

Rehabilitation of Spinal Disorders: Focus on Exercise. Injury Prevention Seminars: Advances in Athletic Conditioning and Injury Prevention for the New Millennium. Ralph Wilson Stadium, Orchard Park, NY, February 29, 2008.]

When All Else Fails: From More PT to Surgery. The New York State Chiropractic Association Annual Meeting, D'Youville College, Buffalo, NY, June 28, 2007.

The Aging Spine: Focus on Prevention. Rochester Spine Study Group, June 15, 2006, Rochester, NY

The Aging Spine: Focus on Prevention. Kenmore Mercy Hospital Medical Staff Grand Rounds, Kenmore, NY, April 4, 2006.

The Functional Kinetic Chain: Lecture and Workshop. The Avalon Cole Lecture, University of Virginia, Dept. of Physical Medicine and Rehabilitation, Charlottesville, VA, March 24, 2006.

The Aging Spine: Focus on Prevention. Presented at The Rehabilitation Institute of Chicago, August 25, 2005.

The Aging Spine: Focus on Prevention. Presented at The Northeast YMCA for Active Older Adults Week, Amherst, NY, April 26, 2005.

Functional Exercise: The Key to Extending Your "Health Span" and Preventing Injury; Elmwood Franklin School, Buffalo, New York, April 4, 2005

Clinical Evaluation of the Lower Extremity: A Kinetic Chain Approach, Musculoskeletal & Sports Medicine: A Biomechanical Approach to the Lower Limb in Function and Dysfunction; University of Washington, Seattle, Washington, April 2, 2005

A Functional Approach to the Rehabilitation of Lower Extremity Disorders, Musculoskeletal & Sports Medicine: A Biomechanical Approach to the Lower Limb in Function and Dysfunction; University of Washington, Seattle, Washington, April 2, 2005

The Aging Spine: Focus on Prevention: Emerging Technologies Spine Education Summit, Telluride, Colorado, March 4, 2005

The Aging Spine: Focus on Prevention, Grand Rounds, University of Rochester, Department of Physical Medicine & Rehabilitation, Rochester, New York, February 10, 2005

Joint Play of the Wrist and Hand / Treatment of the Container: Upper Quarter, presented to The Hand Therapists of Western New York, Buffalo Spine & Sports Institute, PC, January 7, 2005.

Functional Joint Mobilization: Integrating Manual Therapy & Exercise, NAAS, October 20, 2004

The Aging Spine, North American Spine Society Annual Meeting, October 20, 2004

Overview of Adverse Neurodynamic Tension, St. Vincent's Sports Medicine, Erie, PA, September 17-18, 2004

The Gray Areas of McGill: Where Function Meets Science, St. Vincent's Sports Medicine, Erie, PA, September 17-18, 2004

The Functional Kinetic Chain: Focus on Prevention, St. Vincent's Sports Medicine, Erie, PA, May 8, 2004

The Aging Spine: Focus on Prevention, Erie, PA, May 2004

Functional Progression: Lower Body, Erie, PA, May 2004

Functional Retraining: From Reactivation to Performance Enhancement, National Academy of Sports Medicine, Los Angeles, CA, April 2-4, 2004

The Aging Spine: Focus on Prevention- Your Future, Your Lifestyle, Your Choice: An Alive & Lively Seminar, Sponsored by Buffalo Spine and Sports Institute in conjunction with Blue Cross & Blue Shield of WNY, February 26, 2004

Joint Play of the Wrist and Hand, Durango, Colorado, March 2004

Overview of Adverse Neurodynamic Tension, Durango, Colorado, March 2004

Quality of Movement Assessment – Functional Assessment of the kinetic chain: Six Basic Functional Tests: Durango, Colorado, March 2004

The Gray Areas of McGill: Where Function meets Science, Durango, Colorado, March, 2004  
Upper Limb Dynamic Neural Tension: Treating the Container, Durango, Colorado, March 2004  
The Functional Kinetic Chain: Focus on Prevention, University of Colorado, Health Sciences Center, Denver, February 13-14, 2004  
The Aging Spine: Focus on Prevention, University of Colorado, Health Sciences Center, Denver, February 13-14, 2004.  
Nutrition for Healing, sponsored by Buffalo Spine & Sports Medicine, Williamsville, New York, October 30, 2003.  
The Functional Kinetic Chain: Focus on Prevention, U.B. Sports Medicine Institute, Buffalo, New York, October 21, 2003  
The Aging Spine: Focus on Prevention, Primary Care Summit, Kenmore Mercy Hospital, Buffalo, New York, October 8, 2003  
The Aging Spine: Focus on Prevention, Michael Hage Lecture, Rehabilitation Institute of Chicago, Chicago, Illinois, August 9, 2003  
Functional Based Exercises, Jones Memorial Hospital, Department of Rehabilitation, Wellsville, New York, May 18, 2003  
Assessing Core Muscle Function, Jones Memorial Hospital, Department of Rehabilitation, Wellsville, New York, May 18, 2003  
The Functional Kinetic Chain, Jones Memorial Hospital, Department of Rehabilitation, Wellsville, New York, May 17, 2003  
Rehabilitation Sports Medicine XV, Sports-Specific Functional Rehabilitation: Upper Limb Dominant Sports, Chicago, Illinois, April 24-26, 2003  
Aging of the Spine: Is it Inevitable?, sponsored by Buffalo Spine & Sports Medicine, Williamsville, New York, April 3, 2003  
Concepts & Principles Regarding Muscle Imbalances, Durango, Colorado, February 2003  
The Functional Kinetic Chain, Durango, Colorado, February 2003  
Hip, Pelvis, Thigh Sports Injuries, combined Fellowship Sports Medicine Lecture Series for Northtowns Orthopedic and Buffalo Spine & Sports Medicine, PC, January 14, 2003  
Scientific Basis of the Physiatric Physical Examination of the Spine: A Functional Approach, combined Fellowship Sports Medicine Lecture Series for Northtowns Orthopedic and Buffalo Spine & Sports Medicine, PC, October 8, 2002  
SUNY at Buffalo, School of Medicine & Biomedical Sciences, Erie County Medical Center, Buffalo, New York, Resident Tutorial, September 25, 2002; October 2, 2002; October 9, 2002  
Joint Play of the Foot & Ankle, sponsored by Buffalo Spine & Sports Medicine, Williamsville, New York, June 14, 2002  
Joint Play of the Wrist & Hand, sponsored by Buffalo Spine & Sports Medicine, Williamsville, New York, May, 2002  
Core Muscle Function: Neutral Spine Stabilization vs. Controlled Mobility, 3rd Annual Sports Medicine Symposium, Northtowns Orthopedics, PC, Amherst, New York, May 4, 2002  
Rehabilitation Sports Medicine XIV, Sports-Specific Functional Rehabilitation: Controversies in Running-Related Sports, Chicago, Illinois, December 2001  
Michigan State University, College of Osteopathic Medicine, Faculty - Exercise Prescription as an Adjunct to Manual Medicine, November 7-11, 2001  
Coaches Clinic on Injury Prevention, Nichols School, October 23, 2001  
Scientific Basis of the Physiatric Physical Examination of the Spine: A Functional Approach, Daemen College Physician's Assistant Program, August 10, 2001  
Michigan State University, College of Osteopathic Medicine, Faculty - Exercise Prescription as an Adjunct to Manual Medicine, May 16-20, 2001  
Insuring Good Clinical Outcomes & Reaching Appropriate End Points, Buffalo Claims Association, 10th Annual Educational Seminar Day, with Frederick B. McAdam, MD, May 9, 2001  
Diagnosis and Management of Low Back Pain for the Primary Care Physician, Daemen College, April 2001  
Principles of Differential Diagnosis of Low Back Pain, Daemen College, April 2001  
Functional Evaluation & Treatment of Lower Extremity & Core Muscle Function, Advanced Athletic Training, Canisius College, March 21, 2001  
The Role of Manual Medicine & Exercise in Sports & Industry; Lower Extremity Retraining, sponsored by the Rehabilitation Institute of Chicago, December 7-9, 2000  
The Role of Manual Medicine & Exercise in Sports & Industry; Sensori-motor Retraining / Evaluation of Adverse Neurodynamic Tension - Is it Muscle Tightness or Nerve Tension? Sponsored by the Rehabilitation Institute of Chicago, December 7-9, 2000.  
The Role of Manual Medicine & Exercise in Sports & Industry; Lower Quarter / Adverse Neurodynamic Tension Evaluation & Treatment, sponsored by the Rehabilitation Institute of Chicago, December 7-9, 2000  
Evaluation & Treatment of Adverse Neurodynamic Tension in the Nervous System, Daemen College, April 25, 2000

Physiatric Physical Examination of the Spine: How it Helps in the Rehabilitation Program, Kessler Institute for Rehabilitation, March 30, 2000

Physiatric Physical Examination of the Spine: How it Helps in the Rehabilitation Program, 16th Annual Physical Medicine & Rehabilitation Update, Park City, Utah, January 30, 2000

Physiatric Physical Examination of the Spine: How it Helps in the Rehabilitation Program, SUNY @ Buffalo, Department of Rehabilitation Medicine, Buffalo, New York, January 12, 2000

Complete and Accurate Diagnosis: The Vicious Overload Cycle, Northtowns Orthopedic, Lecture Series, Buffalo, New York, January 4, 2000

Spinal Disorders: Current Concepts in the Clinical Management of Spine Pathology; Physiatric Physical Examination of the Spine: How it Helps in the Rehabilitation Program, Daemen College, Buffalo, NY, November 19, 1999

The Functional Approach to Musculoskeletal Medicine: Adverse Neural Dynamic Tension of the Spine and Lower Extremities, Co-chairman, sponsored by Buffalo Spine & Sports Medicine, Williamsville, New York, October 15-17, 1999

The Functional Approach to Musculoskeletal Medicine: Gluteal Retraining, Co-chairman, sponsored by Buffalo Spine & Sports Medicine, Williamsville, New York, October 15-17, 1999

The Functional Approach to Musculoskeletal Medicine: Mobilization of the Anterior Lower Quarter, Co-chairman, sponsored by Buffalo Spine & Sports Medicine, Williamsville, New York, October 15-17, 1999

Exercise & Nutrition, Chairman, sponsored by Buffalo Spine & Sports Medicine, Williamsville, New York, August 5, 1999

Exercise & Nutrition, Chairman, sponsored by Buffalo Spine & Sports Medicine, Williamsville, New York, May 20, 1999

The Principles and Treatment of Muscle Imbalances in Musculoskeletal and Sports Injuries: The Cervico-Thoracic & Scapular Regions, Course Chairman, sponsored by Buffalo Spine & Sports Medicine, Williamsville, New York, April 24, 1999

Michigan State University, College of Osteopathic Medicine, Faculty - Exercise Prescription as an Adjunct to Manual Medicine, Level II, January 1999

Breaking Down the Walls: The Physical Exam & Treatment of Muscle Imbalances/Neuromobilizations in Musculoskeletal and Sports Injuries: The Lumbo-Pelvic Region, sponsored by Buffalo Spine & Sports Medicine, Williamsville, New York, December 6, 1998, Course Chairman

The Physical Examination & Treatment of Muscle Imbalances/Neuromobilizations in Musculoskeletal & Sports Injuries: The Lumbo-Pelvic Region, sponsored by Buffalo Spine & Sports Medicine, Williamsville, New York, October 24, 1998, Course Chairman

Prevention of Low Back Pain, Chairman, sponsored by Buffalo Spine & Sports Medicine, Williamsville, New York, October 1, 1998

History & Physical Examination of the Lumbo-pelvic Region, presented to Physician Assistant Students, Daemen College, March 27, 1998

Michigan State University, College of Osteopathic Medicine, Faculty - Exercise Prescription as an Adjunct to Manual Medicine, Level II, January 1998

Exercise & Exercise Equipment, What You Need to Know Before Buying Another Piece of Exercise Equipment, Chairman, sponsored by Buffalo Spine & Sports Medicine, Williamsville, New York, December 4, 1997

Michigan State University, College of Osteopathic Medicine, Faculty - Exercise Prescription as an Adjunct to Manual Medicine, Level I, November 1997.

Physical Examination & Treatment of the Spine: A Practical Approach for the Primary Care Clinician with Emphasis on Muscle Imbalances and Neuromobilizations, sponsored by Buffalo Spine & Sports Medicine, Williamsville, New York, November 15, 1997, Course Chairman

Level-II: Muscle Imbalances - Emphasis on Combined Craniosacral & Neuromobilization Techniques, Chairman, sponsored by Buffalo Spine & Sports Medicine, Williamsville, New York, October 25, 1997

The Rapid Evaluation & Treatment of Musculoskeletal & Spine Injuries: Hip, Pelvis & Thigh Injuries, D'Youville College, presented to physician assistants and nurse practitioners, Buffalo, NY, April 12, 1997

The Principles & Treatment of Muscle Imbalances & Myofascial Release in Musculoskeletal & Sports Injuries: The Cervical-Thoracic & Scapular Regions, Chairman, Canton, Ohio, April 5, 1997

Michigan State University, College of Osteopathic Medicine, Faculty - Exercise Prescription as an Adjunct to Manual Medicine, Level I, March 1997

Muscle Imbalances - Lumbo-pelvic Region, Chairman, sponsored by Buffalo Spine & Sports Medicine, PC,



Williamsville, New York, November 1996  
Michigan State University, College of Osteopathic Medicine, Faculty - Exercise Prescription as an Adjunct to Manual Medicine, Level I, September 1996  
The Principles & Treatment of Muscle Imbalances in Musculoskeletal & Sports Injuries: The Lumbo-Pelvic Region, Chairman, sponsored by Buffalo Spine & Sports Medicine, PC, Williamsville, New York, June 1, 1996  
Muscle Imbalances - Cervical, Thoracic Region, Chairman, sponsored by Buffalo Spine & Sports Medicine, PC, Williamsville, New York, May 1996  
The Principles & Treatment of Muscle Imbalances in Musculoskeletal & Sports Injuries: The Lumbo-Pelvic Region - Including Myofascial Release Techniques, Chairman, Canton, Ohio, April 13-14, 1996  
Michigan State University, College of Osteopathic Medicine, Faculty - Exercise Prescription as an Adjunct to Manual Medicine, Level I, March 1996  
Muscle Imbalances - Lumbo-pelvic Region, Chairman, Sponsored by Buffalo Spine & Sports Medicine, PC, Williamsville, New York, November 1995  
Michigan State University, College of Osteopathic Medicine, Faculty - Exercise Prescription as an Adjunct to Manual Medicine, Level I, September 1995  
Michigan State University, College of Osteopathic Medicine, Faculty - Principle of Manual Medicine, June 1995  
Michigan State University Faculty, College of Osteopathic Medicine, - Exercise Prescription as an Adjunct to Manual Medicine, Level I, March 17-19, 1995  
Manual Medicine Course - Course Coordinator, Daemen College, Division of Graduate Physical Therapy, Amherst, New York, 1995 - Present  
Michigan State University, College of Osteopathic Medicine, Faculty - Exercise Prescription as an Adjunct to Manual Medicine - Level I, September 30 - October 3, 1994  
The Sports Medicine of Soccer, Including Lower Extremity & Spine Injuries in Sports, Chairman, Daemen College, August 25, 1994  
Michigan State University, College of Osteopathic Medicine, Faculty - Principle of Manual Medicine, June 1994  
Muscle Imbalances Predisposing to Musculoskeletal Injuries, Grand Round Lecture, Rehabilitation Institute of Chicago, April 6, 1994  
Shoulder Injuries in the Throwing Athlete, Co-Chairman, Daemen College, May 25, 1993  
Rehabilitation Institute of Chicago - Dept. of Rehabilitation Medicine, Spinal Injections, May 13, 1993  
American Back Society Faculty Annual Meeting, Buffalo, New York, May 1993  
Michigan State University, College of Osteopathic Medicine, Faculty - Principle of Manual Medicine, December 1992  
American Back Society Faculty Annual Meeting, New Orleans, LA, May 1992  
Michigan State University, College of Osteopathic Medicine, Faculty - Principle of Manual Medicine, December 1991  
Rehabilitation Institute of Chicago - Dept. of Rehabilitation Medicine, December 6, 1991, Athletic Injuries of the Hip, Pelvis & Thigh  
American Academy of Physical Medicine & Rehabilitation - Faculty Annual Meeting - Selected Lower Extremity Injuries in Sports, Washington, D.C., October 27-31, 1991  
U.B. Alumni Dental Annual Meeting, Low Back Pain in the Dental Profession, Buffalo, New York, September 26, 1991  
American Back Society Faculty Annual Meeting, Toronto, Ontario, Canada, May 1-5, 1991  
Mechanical Disorders of the Pelvis/Sacroiliac Region, Course Co-Chairman/Lecturer: Muscle Imbalances, Williamsville, NY, November 3, 1990  
Orthopedic Evaluation of the Upper Extremity: Shoulder Impingement, November 2, 1990, Sponsored by the Occupational Therapy Association  
Principles of Manual Medicine and Muscle Energy Technique - Philip Greenman, DO, October 5-8, 1990, Williamsville, NY, Course Co-Coordinator and Instructor  
Non-operative Treatment of Lumbar HNP/Radiculopathy. Grand Rounds, Neurosurgery, September 13, 1990  
Spinal Orthotics - Course Co-Chairman and Lecturer in Cervical Lumbar Orthoses and Spine Stabilizing Exercises, April 19-21, 1989  
Spine Stabilizing Exercises - Grand Rounds - SUNY-Buffalo, Department of Rehabilitation Medicine, February 23, 1989  
The Role of the Physiatrist as the Primary Care Physician in the Management of Low Back Pain - Grand Rounds - SUNY-Buffalo, Department of Rehabilitation Medicine, November 19, 1988  
Functional Anatomy and Biomechanics of the Lumbar Spine - Grand Rounds - SUNY/Buffalo, Department of

Rehabilitation Medicine, August 12, 1988  
Differential Diagnosis of Low Back Pain and Sciatica. A Challenge to the Primary Care Physician - Grand Rounds  
- Family Practice Residents, Niagara Falls Memorial Medical Center, February 5, 1988 and Internal Medicine  
Resident - Buffalo Mercy Hospital, April 21, 1988  
Correlation of Physical Exam, EMG and CT in Cervical Radiculopathy (Myofascial Pain as Pseudoradiculopathy),  
December 30, 1987  
SUNY at Buffalo - Department of Neurology - Grand Rounds, Aggressive Conservative Management of  
Low Back Pain, September 30, 1987  
Lumbar Spine Disorders: Topic - The Non-discogenic Causes of Back Pain and Sciatica, sponsored by  
Independent Health, September 16, 1987  
Physical Medicine and Rehabilitation Principles in the Diagnosis and Treatment of Low Back Pain, Western New  
York Nurse Practitioners Association, June 1, 1987  
Osteoporosis: Topic - Rehabilitation Principles in Osteoporosis, Buffalo General Hospital, October 1986  
SUNY at Buffalo Departments of Rehabilitation Medicine, Neurosurgery, Geriatric Medicine, Family Medicine and  
Internal Medicine in Selected Topics in Musculoskeletal Medicine, 1985 – Present.

#### **Community Service:**

- Board of Directors, Schofield Care. 2023-present.
- Your Aging Spine and Joints: Focus on Prevention. D'Youville University, Health Professions HUB,  
September 7, 2023.
- Your Aging Spine: Focus on Prevention." Independent Health. Lunch and Learn. September 27, 2019.
- Your Aging Spine: Focus on Prevention." Chautauqua Physical and Occupational Therapy, Jamestown,  
NY, June 14, 2019.
- Your Aging Spine: Focus on Prevention." Buffalo Rehab Group, YMCA, Williamsville, NY  
January 8, 2019.
- Your Aging Spine: Focus on Prevention." Buffalo Rehab Group, Hamburg, NY, January 15, 2019.
- Your Aging Spine: Focus on Prevention." Chautauqua Physical and Occupational Therapy, Jamestown,  
NY, March 17, 2018.
- Your Aging Spine: Focus on Prevention." Buffalo Rehab Group, YMCA, Williamsville, NY  
February 13, 2018.
- Your Aging Spine: Focus on Prevention." Buffalo Rehab Group, Hamburg, NY, January 24, 2018.
- Your Aging Spine: Focus on Prevention." Chautauqua Physical and Occupational Therapy, Jamestown,  
NY, March 9, 2017.
- Your Aging Spine: Focus on Prevention." The Buffalo Rehab Group 2100 Union Rd. West Seneca, NY  
February 7, 2017.
- Your Aging Spine: Focus on Prevention." The Buffalo Rehab Group- YMCA. Williamsville, NY January 11,  
2017.
- The Aging Spine: Focus on Prevention." The Buffalo Rehab Group-YMCA. Williamsville, NY, January 21,  
2017.
- Coaches Clinic: Injury Prevention. Nichols School. Buffalo, NY, September 21, 2017.
- The Aging Spine: Focus on Prevention." The Buffalo Rehab Group 2100 Union Rd., West Seneca, NY,  
February 27, 2016.
- The Aging Spine: Focus on Prevention." The Buffalo Rehab Group 2100 Union Rd., West Seneca, NY,  
February 18, 2015.
- The Aging Spine: Focus on Prevention. The Buffalo Rehab Group-YMCA and Family Center Williamsville,  
NY, January 15, 2014.
- The Aging Spine: Focus on Prevention. Chautauqua Physical and Occupational Therapy. Jamestown, NY

- December 4, 2013.
- The Aging Spine: Focus on Prevention. The Buffalo Rehab Group-YMCA and Family Center. February 20, 2013.
  - The Aging Spine: Focus on Prevention. Presented at The Northeast YMCA for Active Older Adults Week, Amherst, NY, April 26, 2005.
  - Functional Exercise: The Key to Extending Your "Health Span" and Preventing Injury; Elmwood Franklin School, Buffalo, New York, April 4, 2005.
  - The Aging Spine: Focus on Prevention @ The Century Park Men's Club, October 4, 2005.
  - The Aging Spine: Focus on Prevention @ The Northeast YMCA – Active Older Adult Week, April 26, 2005 .
  - Functional Exercise: The Key to Extending Your " Health Span", Presented to the Faculty of the Elmwood Franklin School. April 4, 2005.
  - Frailty, presented at Buffalo Spine & Sports Institute, February 2005.
  - The Aging Spine – Focus on Prevention, presented at Buffalo Spine & Sports Institute, February 26, 2004.
  - Nutrition and healing, presented at Buffalo Spine & Sports Institute, October 31, 2003.
  - Preparing for Ski Season: Functional Training, presented to the Kissing Bridge Ski School Instructors, Colden, New York, November, 2003.
  - Exercise & Nutrition, for the community, presented semi-annually at Buffalo Spine & Sports Medicine, PC
  - Coaches Clinic on Injury Prevention, Nichols School, Buffalo, New York, October 23, 2001
  - Insuring Good Clinical Outcomes & Reaching Appropriate End Points, Buffalo Claims Association, 10<sup>th</sup> Annual Educational Seminar Day, Buffalo, New York, May 9, 2001
  - Athletic Injury Prevention: Is Stretching More Important Than Strengthening? Including: Assessment of Proper Muscle Balance. How to Stretch Muscles Properly? When to Stretch, presented at West Seneca Education Center to high school coaches, March 26, 1998
  - Preparation for Ski Season: Including: Preventing Injuries, Combining Flexibility, Strength & Coordination, presented at Century-Airport Pediatrics, October 28, 1997
  - Athletic Injury Prevention: Is Stretching More Important Than Strengthening? Including: Assessment of Proper Muscle Balance. How to Stretch Muscles Properly? When to Stretch, presented at Century-Airport Pediatrics, June 11, 1997
  - Youth Soccer Injuries: Including: Head Balls and Head Injuries — Are Our Children at Risk? Proper Stretching Techniques for Injury Prevention, presented at Century-Airport Pediatrics, February 6, 1997
  - How Objective are "Objective" Tests - Corporate Health Seminar, University Inn Conference Center, November 16, 1993.
- Amherst Soccer Association Coach, U12 Boys - 1992 - 2002
- AthletiCare - Team Physician for Gus Macher and Jumping Jack Basketball Tournaments - 1992 & 1993
- Volunteer Physician for World University Games - Buffalo, New York - 1993
- Arthritis Foundation of Western New York
- Board of Directors 1989 - 1991
  - Telethon 1989
  - Speaker at self-help groups