

**CURRICULUM VITAE**  
**Lee Nichols Marinko PT, ScD, OCS, FAAOMPT**  
lmarinko@bu.edu

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**EDUCATION**

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**Boston University**, College of Health and Rehabilitation Sciences: Sargent College, Boston, MA  
Doctor of Science, Movement and Rehabilitation Sciences, 2008  
**Dissertation Title:** *The Influence of Temporomandibular Joint Disorders on Head-Neck Posture and Movement*

**Institute of Orthopedic Manual Physical Therapy**, Woburn, MA  
Fellow of the American Academy of Orthopedic Manual Physical Therapists (FAAOMPT), 1996

**Northeastern University**, Bouve College of Allied Health Studies, Boston, MA  
Bachelor of Science, Physical Therapy, 1986

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**LICENSURE INFORMATION AND BOARD CERTIFICATION**

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Commonwealth of Massachusetts, Division of Registration in Allied Health Professions  
Physical Therapy License # 6096, 1986 – present

Fellowship Status in Orthopedic Manual Physical Therapy (FAAOMPT)  
American Academy of Orthopedic Manual Physical Therapists  
Fellow # 146, 1998, Renewal: October 2006-2015, Renewal: January 2016-12/2026

Orthopedic Clinical Specialist (OCS)  
Board Certified Specialist in Orthopedic Physical Therapy, American Board of Physical Therapy Specialties,  
Certification # 8395, March 1994, Recertification: March 2004 –2014, Recertification: May 2013-June 2024

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**CURRENT PROFESSIONAL EMPLOYMENT**

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**2018-present** **Clinical Associate Professor\***, Department of Physical Therapy and Athletic Training  
College of Health and Rehabilitation Sciences: Sargent College  
Boston University, Boston, MA  
**Program Director**, Boston University Fellowship in Orthopedic Manual Physical Therapy

**Faculty Liaison: Boston University Physical Therapy Center (BUPTC)**  
*Promotion of advanced clinical practice and expertise, Integration of the Academic Mission of the Department of Physical Therapy and Athletic Training, Development and integration of clinical research*

**2007 – 2018** **Clinical Assistant Professor**, Department of Physical Therapy and Athletic Training  
College of Health and Rehabilitation Sciences: Sargent College  
Boston University, Boston, MA  
**Program Director**, Boston University Fellowship in Orthopedic Manual Physical Therapy

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**Faculty Liaison: Boston University Physical Therapy Center (BUPTC)**

*Promotion of advanced clinical practice and expertise, Integration of the Academic Mission of the Department of Physical Therapy and Athletic Training, Development and integration of clinical research*

**Senior Physical Therapist, The Ryan Center, Boston University Physical Therapy Center (BUPTC)**

*Clinical Practice: providing direct care, mentoring clinical staff and students within the DPT program and Fellowship*

**\*Clinical Associate Professor Appointment:** *Fall semester: 60% Classroom teaching: DPT program, 20% Administrative and Mentoring: Fellowship Program, 20% service to the BUPTC, Department and College. Spring semester: 60% Administrative, Teaching, Mentoring in Fellowship Program, 20% clinical practice/direct patient care at BUPTC, 10% Scholarship, 10% service to BUPTC, Department and College. Summer semesters: Faculty Liaison at BUPTC, Administration and Mentoring Fellowship Program, Teaching in DPT program.*

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**PREVIOUS EMPLOYMENT**

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- 2005-2007**      **Clinical Assistant Professor** (.8 FTE), Terminal contract, Department of Physical Therapy and Athletic Training, College of Health and Rehabilitation Sciences: Sargent College, Boston University, Boston, MA  
*Primary instructor in PT 521 Musculoskeletal Systems I as well as lead lab instructor for PT 623 Musculoskeletal Systems III*
- 2004-2005**      **Clinical Assistant Professor** (.6 FTE), Terminal contract Department of Physical Therapy and Athletic Training, College of Health and Rehabilitation Sciences: Sargent College, Boston University, Boston, MA  
*Primary instructor in PT 521 Musculoskeletal Systems I as well as lab instructor and grader for PT 623 Musculoskeletal Systems III*
- 1997-2004**      **Part-time Clinical Faculty-Instructor** Department of Physical Therapy and Athletic Training, College of Health and Rehabilitation Sciences: Sargent College, Boston University, Boston, MA  
*Participated in many roles including lab instructor, course instructor, grader and guest lecture for multiple courses in the Physical Therapy program specifically in the area of musculoskeletal systems*
- 2002-2009**      **Per Diem Physical Therapist** Orthopedics Plus, Burlington, MA
- 1989-2002**      **Senior Physical Therapist** Orthopedics Plus, Burlington, MA  
*Senior staff physical therapist with expertise in Orthopedic Manual Physical Therapy.  
Clinic Mentor to young staff as well as director of student program for clinical internships in physical therapy*

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**SCHOLARLY ACTIVITY**

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**Peer Reviewed Publications**

Homes MB, Scott A, Camarinos J, **Marinko L**, George SZ. Working Alliance Inventory (WAI) and its Relationship to Patient-Reported Outcomes in Painful Musculoskeletal Conditions. *Accepted (2022): Journal of Disability and Rehabilitation*. Manuscript ID TIDS-09-2021-195.R2

Aoyagi K<sup>‡</sup>, Neogi T, Peloquin C, Dubreuil M, **Marinko L**, Camarinos C, Felson DT, Kumar D. Association of physical therapy interventions with long-term opioid use after total knee replacement. *JAMA Netw Open* <https://jamanetwork.com/journals/jamanetworkopen/fullarticle/2785535>

Brown C, **Marinko L**, LaValley MP, Kumar D. Quadriceps Strength After Anterior Cruciate Ligament Reconstruction Compared With Uninjured Matched Controls: A Systematic Review and Meta-analysis. *Orthop J Sports Med.* 2021 Apr 8;9(4):2325967121991534. doi: 10.1177/2325967121991534. PMID: 33889639; PMCID: PMC8040575.

Sullivan S\*, Hutchinson I, Curry E, **Marinko L**, Li X. Surgical management of type II superior labrum anterior posterior (SLAP) lesions: a review of outcomes and prognostic indicators. *The Physician and Sportsmedicine*, DOI:10.1080/00913847.2019.1607601

Cusano A, Curry E, **Marinko LN**, Li X. Extensor Mechanism Reconstruction for Chronic Patella Fracture: A Case Report. *Orthopedics*, August 18, 2017. DOI: 10.3928/01477447-20170810-07.  
*Responsible for data collection and manuscript revision*

Vesci A\*, Webster K, **Marinko LN** Resistance Training in Youth Improves Athletic Performance: A Systematic Review. *Athletic Training & Sports Health* (2017) July/August; 9(4): 184-192.  
*Responsible for conceptual formulation, data collection and manuscript revision*

Krisciunas GP, Golan H **Marinko LN**, Pearson W, Jalisi S, Langmore SE. A novel manual therapy programme during radiation therapy for head and neck cancer-our clinical experience with 5 patients. *Clin Otolaryngol.* (2016) Aug;41(4):425-31. doi: 10.1111/coa.12535  
*Responsible for the development of protocol for manual therapy, delivery of care, data collection and manuscript revision*

**Marinko LN**, Christie RE, Lewis CL, Successful rehabilitation of a young adult with total hip arthroplasty a decade after a Girdlestone procedure: a case report, *PM&R* (2015), doi:10.1016/j.pmrj.2015.04.002.  
*Responsible for conceptual formulation, data collection, manuscript development and revision*

Lewis CL, Khuu A, **Marinko LN** Postural correction reduces hip pain in adult with acetabular dysplasia: A case report. *Manual Ther* (2015) Jun 20(3): 508-512.  
*Responsible for data collection and manuscript revision*

**Marinko LN**, Pecci M. Clinical Decision Making for the Evaluation and Management of Coccydynia: 2 Case Reports. *J Orthop Sports Phys Ther* (2014);44(8):615-621. Epub 23 Jun 2014.  
*Responsible for conceptual formulation, data collection and manuscript development and revision*

**Marinko LN**, Chacko J\*, Dalton D, Chacko C. The Effectiveness of Therapeutic Exercise for Painful Shoulder Conditions: A Meta-Analysis. *JSES* (2011);20(8):1351-59.  
*Responsible for conceptual formulation, data collection and oversight, manuscript development and review*

Camarinos J\*, **Marinko LN**. Effectiveness of manual therapy at the glenohumeral joint: A systematic review. *JMMT* (2009);17(3): 206-213.  
*Responsible for conceptual formulation, data collection and oversight, manuscript development and revision*

**Marinko LN**. The influence of temporomandibular joint disorders (TMD) on head-neck posture and movement (Dissertation; *May 2008*).

\*Denotes mentored student project

#### **Book Chapters/ Supplemental Materials/ Monographs**

**Marinko LN**. Section 5 Chapter 13 Posture. In: Levangie PK and Norkin C. *Joint Structure and Function; A Comprehensive Analysis*, ed. 6. FA Davis, Philadelphia, 2019.

**Marinko LN.** Adhesive Capsulitis: Physical Therapy Examination, Diagnosis and Intervention. 2<sup>nd</sup> Edition, Home Study Course, Western Schools Brockton MA. December 2017 ISBN: 978-1-68041-518-6

**Marinko LN.** Rotator Cuff Injuries and Interventions: A physical therapist's perspective. Home Study, GSC Home Study Courses, Bridgewater MA. September 2017.

**Marinko LN.** What are common causes of cervical radiculopathy and clinical tests to determine if it is contributing to a patient's shoulder pain and dysfunction? *Quick Questions in the Shoulder: Expert Advice in Sports Medicine.* SLACK Incorporated, Thorofare, NJ (2015)

**Marinko LN.** What are the most common nerve injuries about the shoulder and how do they present? *Quick Questions in the Shoulder: Expert Advice in Sports Medicine.* SLACK Incorporated, Thorofare, NJ (2015)

**Marinko LN.** Adhesive Capsulitis: Current concepts in examination, diagnosis and intervention. Home Study, GSC Home Study Courses, Bridgewater MA. January 2014. August 2014-March 2017 Disseminated in 34 states with 283 participants for continuing education credits in Physical Therapy.

**Marinko LN.** Compendium DVD. In: Levangie PK and Norkin C. Joint Structure and Function; A Comprehensive Analysis, ed. 5, 139-191. FA Davis, Philadelphia. 2011.

### Peer Reviewed Presentations

Camarinos J, **Marinko LN**, Martin SK, O'Shaughnessy E, Riley E. Can we have it all? A financially sustainable clinical center providing outcomes-based patient care, authentic academic partnership, and a professional leadership. Education Leadership Conference, Tallahassee Florida, October 13, 2018.

**Marinko LN.** Hip Pain: Disentangling the hip from the spine. The Pediatric and Young Adult Hip: A comprehensive and multidisciplinary approach, Boston Children's Hospital, Boston Ma, May 10, 2014.

**Marinko LN.** Integration of Functional Anatomy of the upper quadrant. Examination and Intervention of the upper quadrant, Boston University, March 29, 2014.

**Marinko LN.** Utilization of Manual Therapy in Painful Shoulder Conditions, New England Sports and Rehabilitation Summit 2013, Advances in Rehabilitation of the upper extremity. Providence RI, April 6, 2013.

**Marinko L.** My patient has a Rotator Cuff Tear: Latest Strategies to Optimize Outcomes, Panel Discussion. Boston Shoulder Institute and Brigham and Women's Hospital, Boston Ma, Nov 2012.

**Marinko L,** Kopp E. Exercise as Pain Medicine: The Biopsychosocial Approach. New England College of Occupational Medicine, March 16, 2011 Waltham Ma, March 23, 2012 Southington CT.

Dalton D, **Marinko L,** Maxwell J, Clinical Lumbar Instability: Understanding the pathology and implications for practice. APTA of Ma Annual Conference, November 7, 2009.

Dalton D, **Marinko L,** Maxwell J, Implementing the Low Back Pain Treatment Based Classification System into the Clinic: A Hands-on course. APTA of Ma Annual Conference, November 8, 2008.

Phillips HJ, **Marinko LN,** Manual Therapy Techniques for the professional Physical Therapy Student: A hands-on workshop. 13<sup>th</sup> Annual Meeting of the American Academy of Orthopedic Manual, October 17-22, 2007.

**Marinko LN,** Functional Anatomy of the Shoulder Complex, 11<sup>th</sup> Annual Boston Shoulder and Sports Symposium, October 21- 22, 2006.

**Marinko LN**, Evaluation of the Shoulder: Surgical Interventions and Pathology, New England Baptist Hospital: The Shoulder Dissection Course, May 19, 2006.

### **Invited Presentations**

Pack R, **Marinko LN**, Sylvain J, Dibblee P. Update from Chronic Pain Working Group: Presentation and Panel Discussion "Translation of chronic pain research into practice" (Steven George, Kate Minick, Jason Beneciuk, Lee Marinko) Moderator Stephen Hunter Intermountain Rehabilitation Services 5th Annual ROMS OUTCOMES CONFERENCE, Salt Lake City, Utah, October 8, 2022

Marinko LN. Pain modulation in concussion: What have we learned? Wentworth Douglas 3<sup>rd</sup> Annual Concussion Symposium, Dover NH. April 13, 2019.

Camarinos J, Dalton D, **Marinko LN**. Lumbar Stabilization Classification Revisited. Intermountain Health Care Annual ROMS Conference, Salt Lake City, Utah, March 8, 2019.

**Marinko LN**, Camarinos J, Christopherson J, Sieczkeiwicz D. Low Back Pain: Comparison Panel, Intermountain Health Care Annual ROMS Conference, Salt Lake City, Utah, March 9, 2018.

**Marinko LN**, Camarinos. Life Before and After ROMS, Intermountain Health Care Annual ROMS Conference, Salt Lake City, Utah, March 9, 2018.

**Marinko LN**. Examination and Intervention for Temporomandibular Joint Dysfunction, Wentworth Douglas Hospital, Rehabilitation Services, Dover NH, June 2, 2017.

### **Abstracts/Posters/Platform Presentations**

Marinko LN, Camarinos J. Eliminating the out-of-pocket expense for out patient physical therapy in non-surgical low back pain: A retrospective analysis. CoHSTAR 2<sup>nd</sup> Annual Implementation Science Institute, Virtual (1)Combined Sections Meeting Denver, CO February 2020. *J Orthop Sports Phys Ther* 2020; 50 (1) CSM OPO39. (2)Conference May 21, 2020, Poster Session #2:

<https://www.youtube.com/watch?v=VSqk2XZHpXc&feature=youtu.be>

Kumar D, Peloquin C, Stokes A, **Marinko LN**, Camarinos J, Felson D, Dubruel M. Physical Therapy is associated with reduced Opioid use in people with Knee Osteoarthritis. Combined Sections Meeting APTA, Denver CO, February 2020. *J Orthop Sports Phys Ther* 2020; 50 (1) CSM OPL28.

Vitale S, **Marinko LN**. Physical Therapy First before Diagnostic Imaging in LBP: The influence of MRI in an outpatient physical therapy setting on patient reported outcomes. Combined Sections Meeting APTA Washington DC, January 2019. *J Orthop Sports Phys Ther* 2019; 49(1):CSM63-CSM153 OPO212.(poster)

**Marinko LN**, Camarinos J. Use of Intermountain Health Care's Rehabilitation Outcomes Management Systems (ROMS) to quantify patient outcomes in a private practice setting: A brief look at before and after implementation. Combined Sections Meeting APTA Washington DC, January 2019 *J Orthop Sports Phys Ther* 2019, **Volume:49 Issue:1 Pages:CSM1-CSM29 OPL41**.(platform)

Conlan B, **Marinko LN**, LaValley M, Kumar D. Quadriceps Strength Following Anterior Cruciate Ligament Reconstruction Compared to Matched Uninjured Controls: A systematic review and meta-analysis. Combined Sections Meeting APTA Washington DC, January 2019 (platform)

Camarinos J, Christopherson J, **Marinko LN**, Sieczkeiwicz D. Proving Value in Low Back Pain: A national collaboration using Intermountain Health Care ROMS. Combined Sections Meeting APTA Washington DC, January 2019, . *J Orthop Sports Phys Ther* 2019; 49(1):CSM63-CSM153 OP039.(poster)

Chamberlin M\*, **Marinko LN** Stabilization Classification in the Presence of Low Back Pain: Use of patient reported outcomes to challenge its utility. APTA of MA Annual Conference, Norwood, MA November 2018 (poster)

M Kayajanian\*, **LN Marinko** Can the amount of exercise impact outcomes in the presence of shoulder pain? Journal of Orthopedic & Sports Physical Therapy 47 (1), A106-A107 Combined Sections Meeting APTA, February 2017, San Antonio, TX. (poster)

Rosselli G\*, Panichelle R, **Marinko LN**. Are orthopedic manual physical therapists prepared to identify and treat individuals with musculoskeletal pain associated with Parkinson's disease? Journal of Orthopedic & Sports Physical Therapy 2017 47 (1), A106-A107. Combined Sections Meeting APTA, February 2017, San Antonio, TX. (poster)

**Marinko LN**, Winsten A, Camarinos J. Physical therapists' knowledge and confidence applying informed consent prior to performing spinal manipulation. American Academy of Orthopedic Manual Physical Therapists Annual Meeting, October 2016, St. Louis, MO. (Platform, Education Section)

**Marinko LN**, Kayajanian M. Can the amount of exercise impact outcomes in the presence of shoulder pain? COHSTAR Summer Institute of Health Services Research, June 2016, Boston, MA. (poster)

**Marinko LN**, Lewis CI. Neuromuscular Control Deficits in an Adolescent with Mild Acetabular Dysplasia and Hip Pain. Combined Sections Meeting APTA, Anaheim, CA February 2016 (poster)

Quezada-OCampo P\*, **Marinko LN**. Education in a breast cancer center to screen and identify women at risk for upper extremity dysfunction. APTA Combined Sections Meeting 2016, Anaheim CA. (poster)

Vitale S, **Marinko LN** Are repeat episodes of lower extremity pathology a common occurrence in orthopedics? Journal of Orthopedic & Sports Physical Therapy 2016 46(1) a148. Combined Sections Meeting APTA Anaheim, CA Feb 2016 (Poster)

**Marinko LN**. The utilization of manual intrarectal manipulation in the examination and treatment of coccydynia: A case series. American Academy of Orthopedic Manual Physical Therapists Annual Conference, San Antonio, Tx October 2014 (Platform, Pelvic Girdle Section)

Lewis CI (presenter) **Marinko LN**, Christie R, Rehabilitation of a young adult following total hip arthroplasty 10 years after Girdlestone procedure: A case study. Gait and Clinical Movement Analysis Society, Cincinnati OH, June 2014 (Platform ID #46013)

**Marinko LN**, Christie R, Lewis CI. Rehabilitation of a young adult following total hip arthroplasty 10 years after Girdlestone procedure: A case study. Combined Sections Meeting, APTA, Las Vegas NV. February 2014 (poster)

McManus M, **Marinko LN**. Use of a High Volume Low Load Exercise Program for and Achilles Tear: A Case Study. American Academy of Orthopedic Manual Physical Therapists, Cincinnati OH Oct 16-24, 2013 (poster)

**Marinko LN**, Lewis C. Postural correction reduces hip pain in young adult with acetabular dysplasia: a case study. Combined Sections Meeting, APTA, San Diego CA January 21-24, 2013. (poster)

**Marinko LN**, Dalton D, Murakami A. Evidence of MRI improvement following non-operative management at 1 year follow-up of moderate cervical disc extrusion: A Case Report. IFOMPT 2012, the World congress of Manual/Musculoskeletal Physiotherapy, Quebec City, Canada, September 2012 (poster)

**Marinko LN**, Lewis C. Lumbopelvic stability deficits in a patient with surgical treatment of femoroacetabular impingement. Combined Sections Meeting, APTA, JOSPT 2012; 42(1), p A9. (poster)

Kopp E, **Marinko L** Regional interdependence: Cost containment and the importance of clinical examination of the cervical spine in painful shoulder conditions. *JMMT* 2010 18(4):229. AAOMPT Annual Conference San Antonio, Tx October 7-10, 2010 (poster)

**Marinko L**. Is the clinical observation of forward head posture a visual illusion? Science and Engineering Research Symposium, Boston University. March 2007.

**Marinko LN**, Wagenaar RC, Holt KG Does Temporomandibular joint disorder influence head and neck posture and coordination at rest and with walking tasks? *JMMT* 2007; 15(3), p.185. (poster)

### Mentored Poster/Platform Presentations

Ingalla A, Camarinos J, **Marinko LN** Does the Modified STarT Back Predict of Treatment Duration in Patients with Nonsurgical Shoulder Pathology, APTA of MA Annual Conference, Norwood, MA November 2017 (poster)

Beal A, O'Brien C, Camarinos J, **Marinko LN**. Validation of lower extremity outcome scale in patients with non-surgical knee pain. APTA of MA Annual Conference, Norwood, MA November 2016 (poster)\* *Awarded Outstanding Research*

Roselli G, Panichelle R, **Marinko LN**. Are orthopedic manual physical therapists prepared to identify and treat individuals with Parkinson's disease? APTA of MA Annual Conference, Norwood, MA November 2016 (platform)

Bonavita J, Lewis C, **Marinko LN**. Post-operative treatment of knee extensor mechanism repair: A case report. APTA of MA Annual Conference, Norwood, MA November 2016 (poster)

Quezada-Ocampo P, **Marinko LN** Education in a Breast Cancer Center to Screen and Identify Women at Risk for Upper Extremity Dysfunction. Combined Sections Meeting APTA, Anaheim, CA February 2016 (poster)

Vitale S, **Marinko LN** Are Repeat Episodes of Lower Extremity Pathology a Common Occurrence in Out-Patient Orthopedics? Combined Sections Meeting APTA, Anaheim, CA February 2016 and APTA of MA Annual Conference, Norwood, MA November 2015 (poster)

Winsten A, **Marinko LN** Physical Therapists' Knowledge and Confidence Applying Informed Consent Prior to Performing a Spinal Manipulation. APTA of MA Annual Conference, Norwood, MA November 2015 (poster)

Collins J, Pessanelli K, **Marinko LN**. Utilization of an education program developed for custodial workers to reduce the rate and cost of shoulder injuries. Combined Sections Meeting, APTA, Las Vegas NV. February 2014 (poster)

Sherman D, Robertson S, **Marinko LN**. Do deficits in hip strength and abdominal endurance correlate to shoulder injuries in the collegiate throwing athlete: A pilot study. APTA of MA Annual Conference October 2014, Waltham, MA

### Grants

Co-PI: Pfizer Inc. CP223264

Kumar, Neogi (MPI)

12/2019 - 12/2022

*Wearable Sensor-based Outcomes Following Physical Therapy in Knee Osteoarthritis: A Feasibility Study (WESENS-OA)*

The goal of this single-arm clinical trial is to develop wearable sensor-based outcomes for exercise interventions in knee osteoarthritis.

\$1,162,044 direct + \$348,613 indirect = \$1,510,657

"Preventing Dysphagia in Post-Radiated Head and Neck Cancer Patients" PI – Susan Langmore; My Role = Co-Investigator at 2.4 academic months effort. Submitted to NIH as an RO1 submission. Reviewed scored not funded.

**Invited Lectures**

Dalton D, Sieczkiewicz D, Camarinos J, **Marinko L**. Subgrouping the Stabilization Classification Into Patients with Control Impairment and Patients with Movement Impairment: Exam and Treatment. Intermountain Health Care, Salt Lake City, UT September 16, 2021.

**Marinko L**. Recovery from Injury: Clinical decision making. Sports Medicine for the primary physician, Boston University, Boston Ma, September 24, 2010

Keysor J, **Marinko L.N**, Fun for All: Physical activity for your child with arthritis –and the whole family. Parents Night Out Arthritis Foundation of Massachusetts, Quarterly Meeting, Beechwood Hotel, Worcester Ma, April 11, 2010

**Marinko LN**, Current Concepts in examination and intervention for painful shoulder conditions, Southern Metro District of Ma Chapter APTA, Spring Educational Meeting, Faulkner Hospital, Jamaica Plain Ma, March 18, 2009

**Marinko LN**, Mechanical shoulder pain: Examination and Intervention, Lepre Physical Clini ,Cranston, RI, January 21, 2008

**Marinko LN**, Differentiation of Hip and Sacroiliac Disorders and Manipulation (Thrust and Non-thrust) techniques for the Hip, Ankle and Foot, Lepre Physical Therapy Clinic, Cranston, RI, October 26, 2007.

**Marinko LN**, Integration of Manipulation into the Intervention of Musculoskeletal Disorders, Simmons College Program in Physical Therapy, January 29, 2006

**Marinko LN**, Consulted as an expert in providing assistance for a back injury prevention segment (spotlight news segment- evening and noon broadcast), WBZ: Channel 4 News, Boston, MA, April 1997

**Marinko LN**, Injury Prevention and Exercise, Employee Health and Wellness Program, Lotus Corporation, April 1996.

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**TEACHING EXPERIENCE: Entry Level Doctor of Physical Therapy Program**

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**2006—present PT 515 Physical Therapy Examination (4 credits)**

***Description of Role:** The emphasis of this course is to provide the students with the framework for the process of examination in physical therapy practice. It is an introductory course offered in the summer semester at the beginning of the professional program. The goal of the course is to enhance the students' ability to analyze movement, identify deviations from normal movement, formulate a hypothesis related to that movement disorder and introduce principles of examination that test that hypothesis. It is taught concurrently with PT520 Functional Anatomy so coordination of topic and body*



region is crucial to a successful delivery of content. As an introductory course in the curriculum, it sets the stage for the development of clinical reasoning and synthesis of knowledge related to Human Anatomy and Movement. This course is a team-taught, shared equally with Prof. Julie Starr, PT, DPT, CCS however I have had the role of updating all lab-based content to insure clinical application. This requires annual modification of all lecture and laboratory activities in coordination with PT 520. We have assistance in the lab portion of the course from clinicians and faculty with specialization in neurological systems, musculoskeletal systems and acute care. The number of lab assistants will vary based upon the class size so that we maintain a student to instructor ration of 8:1 or better in lab.

**2009—present PT 520 Functional Anatomy (4 credits) Primary Lecturer Unit 2, Upper Extremity**

**Description of Role:** This course builds on a previous knowledge of human musculoskeletal anatomy to examine human movement. Principles of biomechanics, connective tissue behavior and muscle physiology is integrated with joint structure and function to form the basis of understanding normal and pathological movement.

**2003—present PT 521 Musculoskeletal Systems I: Upper Extremity (6 credits) Primary Course Instructor**

**Description of Role:** This course is the foundation for the musculoskeletal series (PT 521, PT 522, PT 623) in the Doctor of Physical Therapy (DPT) and is offered in the first fall semester of the professional program. As the initial course, all fundamental principles associated with the examination and intervention of individuals with musculoskeletal disorders must be developed to set the stage for the forthcoming courses. Specifically, the content through which these principles are integrated in relation to disorders associated with the Upper Extremity. I have been the primary instructor for this course since Fall of 2003. I am responsible for all lecture, lab and discussion material. As a clinical course, I must synthesize the evolving scientific evidence as it pertains to musculoskeletal conditions so that our students are prepared to be leaders in the field of physical therapy and meet the challenges of current and future health care environment. Because of the ever-expanding research base for diagnosis and treatment, my course materials must be updated annually to meet these needs. Over the past 10 years I have also significantly changed the delivery of the material to include videoed clinical encounters from my practice to demonstrate real life application of current practice. Furthermore, I have been able to utilize the advanced technology in our newly renovated teaching labs to provide more online resources for the students to help them master clinical skills. Our labs are designed to facilitate student learning and the practice of specific skills necessary to become physical therapists. I do have laboratory assistants to preserve a 8:1 student to instructor ratio. I am responsible for training so that all lab instructors are consistent in their instruction. I collaborate with another colleague who assists in the coordination of lab practical exams, and some grading of written course material.

**2010—2012 HP 532 Clinical Medicine II (4 credits) Co-Instructor**

**Description of Role:** This course is an inter-professional course team taught with Prof. Chad Clements, ATC from the Athletic Training program. The course is designed to introduce students to the concepts of clinical medicine and inter-professional practice. The topics covered in this course range across body structures or systems that are not primarily covered in the core curriculum for Physical Therapy and Athletic Training. The emphasis is on common conditions and or disease processes within each system that have a direct impact on participation as it pertains to each respective profession. Chad and I share equal responsibility in coordination of lecture and examination materials however we separate on occasion for discussion sections by profession when the roles of the of the professional diverge. This course includes a number of guest lectures by other health care providers who are experts in the topic or disease, including physicians, nurse practitioners, and health care educators.

**1997—2010 PT 623 Musculoskeletal Systems III (6 credits)**

Lead Lab instructor

Guest Lecture: Temporomandibular Joint (2004-present)

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## TEACHING EXPERIENCE: Fellowship in Orthopedic Manual Physical Therapy

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### 2015—present Introduction to Boston University Fellowship in Orthopedic Manual Physical Therapy (BUFOMPT)

*Primary Course Instructor*

**Description of Role in this course:** *This course is a two-day (16 hours) kick-off course with introduction to the Fellowship including expectations of the student and the program. Case based sampling of clinical skills and discussion on reasoning to prepare both the students and the mentor for the year. I am responsible for the development and delivery of all content, orientation for the incoming class and setting the expectations for the outcomes of the year long program. Successful teaching of this material requires annual revision and modification in order to individually tailor the training to the students as well as meet the needs of both the American Academy of Orthopedic Manual Physical Therapists and the International Federation of Orthopedic Manual Physical Therapists. I have assistance in delivery of manual skills from the individuals who will act as mentors for the program.*

### 2015—present BUFOMPT Examination and Intervention of the Upper Extremity *Primary Course Instructor* Examination and Intervention of the Lower Extremity *Primary Course Instructor*

**Description of Role in these courses:** *These courses are two, 16-hour courses that cover examination and treatment of the joint and soft tissue of the upper and lower extremity with an emphasis on orthopedic manual physical therapy techniques. I developed these courses to meet the requirements of the American Physical Therapy Association and American Board of Residency and Fellowship Physical Therapy Residency and Fellowship Education. I am responsible for the development, delivery and oversight of the entire weekend. I have lab assistance with manual technique and execution as well as assessment of student performance.*

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## TEACHING EXPERIENCE: Webinars

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### 2015—present Therapeutic Exercise Part I *Primary Course Instructor* Therapeutic Exercise Part II *Primary Course Instructor*

**Description of Role:** *These two 2 hour online webinars are required courses in the post-professional, certificate program on Orthopedic Manual Physical Therapy. I am responsible for development, delivery as well as examination of students' synthesis for all content associated with these courses. Part I is designed to build on the physical therapist's knowledge of functional anatomy of the human body, principles of biomechanics, and the structure and function of connective and muscle tissue and the load needed for optimal health. Current principles of tissue stress and optimal load to promote remodeling of biological structures. Types of therapeutic exercise are covered with an emphasis on the specific goals of each based upon the current status of the tissue. In Part II, the incorporation of motor control and motor learning is integrated into prescription of exercise for patients with pain associated with musculoskeletal conditions. These courses need regular modification to integrate the most up to date evidence informed information relevant to current best practice.*

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## TEACHING EXPERIENCE: Online Courses

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### 2007—2009 PT 634 PT 634 Diagnostics Procedures for Rehabilitation Professionals *Lead Instructor*

**Description of Role:** *This course was specifically developed as a required course in the transitional Doctor of Physical Therapy curriculum. In the early years of that program the class sizes were very large so in order to maintain manageable delivery of the material and faculty to student ratio the class was broken into two sections that ran concurrently. I was responsible for one section of that course. I had 5*

facilitators with 12-15 students in each section. The primary developer of this course was Prof. Diane Heislein PT, DPT, MS, OCS however I collaborated with her on specific course content, clinical application, case studies, examination processes, grading criteria and orientation for facilitators in my area of expertise. I coordinated all efforts of my facilitators, held weekly office hours and participated in Facilitator "office hours" as content required.

**2005—2009** PT 773: Comprehensive Clinical Reasoning Content Expert Musculoskeletal Systems

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## AWARDS AND HONORS

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- 2017** **Certificate of Appreciation Boston University Women's Soccer-Patriot League**, Boston University, Boston MA. This certificate is awarded to a faculty member who has been a positive influence on a senior member of the Boston University Women's soccer team. I was chosen by Erin Neville a senior in the BS/DPT program.
- 2016** **Whitney Powers Award for Teaching Excellence** Boston University, Boston MA *This award recognizes an outstanding teacher from the Sargent faculty and is named in honor of Whitney R. Powers, professor emeritus of BU Sargent College, who for more than 25 years shared his gifts as an outstanding teacher.*
- 2016** **APTA of MA Outstanding Research Award (Poster/Platform) Annual Conference**  
Beal A, O'Brien C, Camarinos J, **Marinko LN**. Validation of lower extremity outcome scale in patients with non-surgical knee pain. APTA of MA Annual Conference, Norwood, MA November 2016 (poster)  
*This award is granted to the poster or platform that demonstrated the highest quality of research rigor, interest and presentation at the Massachusetts Physical Therapy Annual Conference.*  
*It was the culmination of a year-long project by 2 Doctor of Physical Therapy students using retrospective patient outcomes data collected at BU Physical Therapy Center.*

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## CLINICAL PRACTICE

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- 2004—present** **Boston University Physical Therapy Center** The Ryan Center for Sports Medicine and Rehabilitation, Boston University  
Part-time clinical practice
- 1989—2002** **Orthopedics Plus** Burlington, MA  
Senior Physical Therapist
- 1986—1989** **Spaulding Rehabilitation Hospital**, Boston, MA  
**VNA Care Network**, Danvers MA  
**Winchester Hospital**, Winchester, MA  
**Helen Hayes Hospital**, W Haverstraw NY

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## MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

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- 1984—present** **American Physical Therapy Association**  
1988—present Orthopedic Section Member  
2007—present Education Section
- 1996—present** American Academy of Orthopedic Manual Physical Therapists

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## PROFESSIONAL COMMITTEE MEMBERSHIPS

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- 2013—present** **Secretary, Program Director Special Interest Group**, American Academy of Orthopedic Manual Physical Therapists (AOMPT) Executive Committee
- 2013—present** **Committee Content Expert (CCE)**, Specialization Academy of Content Experts, American Board of Physical Therapy Specialties, Orthopedic Section
- 2012—2016** **Conference Committee**: American Academy of Orthopedic Manual, Physical Therapy
- 2011—2016** **Education Committee Member**, American Physical Therapy Association: Massachusetts Chapter
- 2010—2012** **Item Writer**, Specialization Academy of Content Experts, Orthopedic Section, American Board of Physical Therapy Specialties
- 2010—2012** **Treasurer**, Manual Therapy Special Interest Group, American Physical Therapy Association, MA Chapter
- 2009—present** **Assistant to the Chair (Vice chair)**, Shoulder Special Interest Group, American Physical Therapy Association, MA Chapter Member since January 2008
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## BOOK REVIEWER

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- 2013** *Diagnosis for Physical Therapists: A symptom-based approach*, by Davenport T, Kulig K, Sebeski C, Gordon J, Watts H. FA Davis Philadelphia PA. 2013: JOSPT Vol 43(4) p.276.
- 2012** *Pathology: Implications for the Physical Therapist 3rd Edition*, by Catherine Goodman, Kenda Fuller, March 2012
- 2009** *Musculoskeletal Assessment 2nd Edition* by Hazel Clarkson, March 2009
- 2006** *Kinesiology* by Carol A. Oatis, May 2006
- 2006** *Chiropractic Technique 2nd Edition* by David Peterson and Thomas Bergman, January 2006
- 2005** *Illustrated Orthopedic Examination and Intervention 2nd Edition* by Ronald Evans, July 2005
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## ABSTRACT REVIEWER

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- 2011—present** American Physical Therapy Association- Orthopedic Section: Combined Sections Meeting
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## SERVICE TO THE UNIVERSITY

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## DEPARTMENT

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**2007—present** Undergraduate Advisor for accelerated BS/DPT students

**2004—present** Graduate Student Advisor, Physical Therapy Program for DPT students, Boston University

**2006—2007** **Physical Therapy Committee on Academic Policies and Procedures**

**2004—2005** **Clinical Education Strategic Planning Committee**

#### COLLEGE

**2008—2012** **Graduate Education Committee**

#### UNIVERSITY

**2009—present** **Faculty Advisor**, Office of Residence Life, Boston University, Specialty Community, Sargent Floor, Towers West Boston University

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#### **SELECT CONTINUING EDUCATION**

- 2016** **Management of Concussion** Boston University, Boston, MA;
- 2016** **Psychologically Informed Physical Therapy: Pragmatic Application for Low Back Pain**. Benneciuk J, Greco CM. Sponsored by University of Pittsburgh, Boston MA
- 2014** **Explain Pain**, David Butler, Spaulding Rehabilitation Center, Boston MA
- 2014** **Combined Sections Meeting**, American Physical Therapy Association, Las Vegas NV
- 2013** **American Academy of Orthopedic Manual Physical Therapists Annual Conference**, Cincinnati, OH
- 2013** **Combined Sections Meeting**, American Physical Therapy Association, San Diego CA
- 2012** **Combined Sections Meeting**, American Physical Therapy Association, Chicago, IL
- 2012** **American Academy of Orthopedic Manual Physical Therapists Annual Conference. Anaheim, Ca**
- 2011** **Recent advances in the surgical and rehabilitation management of the unstable shoulder**. Boston Shoulder Institute, Boston, MA
- 2010** **Which Imaging Study to Choose**. Preconference: American Physical Therapy Association Annual Conference & Exposition, Boston MA
- 2010** **Continuing Education Series: Rehabilitation Ultrasound Imaging**
- 2010** **Manip-a-looza Conference**, University of Denver, Denver CO
- 2009** **Physical Therapists: The 1<sup>st</sup> Choice for Musculoskeletal Care**, American Academy of Orthopedic Manual Physical Therapists 15<sup>th</sup> Annual conference, Washington, DC
- 2009** **Lower Extremity Sports Medicine/Orthopedic Update: Hip & Knee**, Department of Rehabilitation Services & Sports Medicine Service, Department of Orthopedics, Brigham and Women's Hospital, Boston MA
- 2009** **New Faculty Development Workshop**, Education Section of the American Physical Therapy Association, Midwestern University, Downersgrove IL
- 2009** **3<sup>rd</sup> Annual Distinguished Lecture Series in Sports Medicine**, Northeastern University, Boston MA
- 2009** **Clinical Reasoning- Lumbar Spine: Using clinical reasoning and patient awareness to achieve better outcomes**. Pro Ex Physical Therapy, North Conway NH
- 2008** **Movement Disorders and Neuromuscular Interventions for the Trunk and Extremities**. Independent Study Course: 6 monograph series. American Physical Therapy Association
- 2008** **Pain: From Science to Solutions**, American Academy of Orthopedic Manual Physical Therapists 14<sup>th</sup> Annual Conference, Seattle WA
- 2007** **Current Concepts of Orthopedic Physical Therapy**. Independent Study Course: 12 monograph series. American Physical Therapy Association
- 2007** **The Subcranial Spine: From Impairment to Empowerment**. American Academy of Orthopedic Manual Physical Therapists 13<sup>th</sup> Annual Conference. St. Louis, MO
- 2007** **Combined Sections Meeting**, American Physical Therapy Association. Boston, MA

