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EDUCATION

Columbia University, Teachers College, EdD Motor Learning and Control, NY 2016
Columbia University, Teachers College, MA, Motor Learning and Control, NY 2010
College of Health Related Professions, State University of New York
BS, Occupational Therapy, Brooklyn 1991

LICENSURE

New Jersey State License Number TR00274
New York State License Number 006715
Hand Therapy Certification Number 971100031

EMPLOYMENT

Clinician Scientist, Leon Root, MD Motion Analysis Laboratory, 2016-Present
Senior Hand Therapist, Hospital for Special Surgery, NY 1997-Present
Manager Research Operations, Leon Root, MD Motion Lab, HSS, NY 2013-2016
Director, Hand Therapy Department, Hospital for Special Surgery, NY 2005-2013
Senior Hand Therapist, Hospital for Special Surgery, NY 2003-2005
Clinical Director, Accelerated Hand Therapy, Somerset, NJ 2001-2003
Hand Therapist - Kupat Cholim, Jerusalem, Israel 1995-1997
Staff Hand Therapist, Hospital for Special Surgery, NY 1994-1995
Hand Therapist, Connecticut Hand Surgery Center, Bridgeport, CT 1993-1994
Staff Occupational Therapist, Inpatient/Outpatient Therapy 1991-1994
Kessler Institute of Rehabilitation, Inc. Saddle Brook, NJ

CONSULTANCIES

Consultant Hand Therapist, The Juilliard School, New York, NY, 2015-Present
National Medical Consultants, Review of Malpractice/Health Related Cases 2014-Present

ACADEMIC APPOINTMENT AND TEACHING

Teaching

Assistant Professor of Clinical Rehabilitation Medicine, Weill Cornell Medicine 2019-Present
Adjunct Instructor, Research Training Seminar 2010-2016
Department of Biobehavioral Science, Teacher's College, Columbia University

Master's Student Coordinator, MA Thesis Advisement 2011-2016
Department of Movement Science, Teacher's College, Columbia University, NY

Adjunct Instructor, Introduction to Biomechanics 2010-2013
Teacher's College, Columbia University, NY

Adjunct Instructor, Touro College, NY, Occupational Therapy 1999-2001
Touro College, NY

Mentoring and Students

Medical Students Research

Eliana Saltzman (Icahn School of Medicine, Mount Sinai): 3D motion analysis of wrist circumduction and dart throwers motion. Summer, 2013)

Chris Defrancesco (UPenn, Medical School): Proximal compensatory motion of the shoulder and elbow relative to decreased wrist motion during functional tasks. (Summer 2014)

Benjamin Gordon (Cornell Medical School): Elbow Asymmetry during gait in children with cerebral palsy. (Summer 2015)

Katherine Xie (Case Western University Medical School). Computational modeling of brachial plexus injury and repair.

Esther Zusstone (University of Cleveland Medical School): Functional limitations in arthritic and injured wrists. (Summer, 2016)

Alex Gu (George Washington University Medical School): Relative contribution of scapulothoracic and glenohumeral motion following brachial plexus reconstruction. (Summer, 2016)

Yahya Othman, Cornell Medical School, Qatar): Wrist position during gait in children with cerebral palsy. (Summer, 2016)

Mehnaz Shahid (CCNY, Engineering School). Development of elbow stiffness jig to measure torque and range of motion in stiff elbow. (Fall 2015/Spring 2016)

Yatindra Patel (Case Western University Medical School). Self-Identified Functional Limitations and Expectations in individuals with wrist pathology. (Summer 2017, Fall 2017).

Shiree Segev (Touro College of Osteopathic Medicine). Validation of wrist expectations scale. (Spring 2018).

Andrew Sama (University of Miami, Miller School of Medicine). Use of inertial sensors for arm asymmetry in individuals with cerebral palsy (Summer, 2019).

Graduate Students

Graduate Students Primary Advisor for MA Theses – 21 occupational therapy and motor learning students between 2010-2016

Columbia University, Teachers College, Department of Movement Science, Motor Control
(Full list of students and thesis topics available upon request)

Hunter College Physical Therapy Students, Effect of Varus Rotational Osteotomy (VRO) on upper extremity position during gait in children with cerebral palsy (Fall2014/Spring 2015).

PROFESSIONAL ORGANIZATIONS AND SOCIETIES

Memberships

American Academy of Cerebral Palsy and Developmental Medicine (AACPDM)
American Association for Hand Surgery (AAHS)
American Society for Hand Therapists (ASHT)
American Occupational Therapy Society (AOTA)
International Wrist Investigators Workshop (IWIW)
Gait and Clinical Movement Analysis Society (GCMAS)
Performing Arts Medicine Association (PAMA)
Ruth Jackson Orthopedic Society (RJOS)

Board Positions

Editorial Board Member, Journal of Hand Therapy (JHT), 2014-2019
Research Division Chair, American Society for Hand Therapy (ASHT), 2015-2018
Awards Council Chair, Gait and Clinical Movement Analysis Society (GCMAS), 2015-2018
Member, Board of Governors, Hand Surgery Endowment (HSE), 2009-2013
Scientific Program Chair, IFSHT Triennial Meeting, Orlando, 2010
Affiliate board member, American Association for Hand Surgery (AAHS), 2003-2007

Committee Members

Research Committee Member, AAHS, 2014-2020
Research Committee Member, PAMA 2019-2021
Education Committee Member, AACPDM, 2015-2020
Vargas Committee Member, AAHS, 2016-2019
Program Committee Member, AAHS, 2012-2015
Program Committee Member, ASHT, 2011-2013
Research Division Member, ASHT, 2012-2015

Journal Reviewer

Consultant Reviewer, Journal of Hand Therapy
Consultant Reviewer, Journal of Hand Surgery
Consultant Reviewer, Journal of Applied Biomechanics
Consultant Reviewer, Journal of Biomechanics
Consultant Reviewer, Gait and Posture
Consultant Reviewer, Arthritis Care and Research
Consultant Reviewer, Developmental Medicine and Child Neurology

Honors and Awards

Invited Honored Professor, Surgery and Rehabilitation of the Hand, Philadelphia	2019
Vargas International Teaching Award, American Association Hand Surgery	2015
Visiting Scholar, Schneider's Children's Medical Center, Israel	2014
Invited guest lecture ALYN Hospital for Rehabilitation, Jerusalem	2014
Grab the Evidence Award, American Hand Therapy Foundation	2011
Evelyn Mackin Hand Therapy Award, American Association Hand Therapy	2010
Best Scientific/Clinical Poster, ASHT 23 rd Annual Conference	2000
Goldwater Memorial Auxiliary Scholarship	1991

Other Professional Activities

Volunteer, Guatemala Healing Hands Foundation, Mission to Guatemala	2016
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PUBLICATIONS

Peer Reviewed

Wolff AL, Sama D, Lenhoff M, Daluisk A. Inertial Sensors effectively quantify arm asymmetry in individuals with unilateral spastic cerebral palsy. *Journal of Hand Therapy*. 2019

Wolff AL, Patel Y, Zusstone E, Wolfe S. Self-Identified Functional Limitations Improve in Patients with Degenerative Wrist Arthritis Post Surgery. *Journal of Hand Therapy*. 2019

Wolff AL. Clinical relevance commentary in response to: Force transmission through the wrist during performance of push-ups on a hyperextended and a neutral wrist. *Journal of Hand Therapy*. 2018

Gordon BL, **Wolff AL**, and Daluiski A. Elbow kinematics during gait improve with age in children with hemiplegic cerebral palsy. *Journal of Pediatric Orthopedics*. 2018.

Wolff AL, Rosenzweig L. Anatomical and biomechanical framework for shoulder arthroplasty rehabilitation. *Journal of Hand Therapy*. 2017

Wolff AL, Wolfe S. Rehabilitation for scapholunate injury application of scientific and clinical evidence to practice. *Journal of Hand Therapy*. 2016.

Rainbow MJ, **Wolff AL**, Crisco JJ, Wolfe SW. Functional Kinematics of the Wrist. *Journal of Hand Surgery, European*. 2015

Wolff AL, Raghavan, P, Kaminski, T, Hillstrom, H, Gordon AM. Differentiation of hand posture in children with unilateral spastic cerebral palsy. *Research in Developmental Disabilities*. 2015.

Wolff, AL, Garg, R., Kraszewski, AP, Hillstrom, HJ, Hafer, JF, Backus, SI, Lenhoff ML, Wolfe, SW. Surgical Treatments for Scapho-lunate advanced collapse wrist: kinematics and functional performance. *Journal of Hand Surgery*. 2015

Weinstock-Zlotnick, G, Page, C, Ghomrawi, H, **Wolff, AL**. Responsiveness of three patient report outcome measures in patients with hand fractures: A preliminary cohort study. *Journal of Hand Therapy*, 2015.

Trehan, SK, **Wolff AL**, Gibbons M, Hillstrom HJ, Daluiski A. The effect of simulated elbow contracture on temporal and distance gait parameters, *Gait and Posture*. 2015

Hillstrom H, Garg R., Kraszewski A, Lenhoff M, Carter T, Backus S, **Wolff A**, Syrkin G, Cheng R, Wolfe S. Development of an anatomical wrist joint coordinate system to quantify motion during functional tasks. *Journal of Applied Biomechanics*. 2014.

Wolff A, Weinstock-Zlotnick G, Gordon J, SSc Management - in person Appointments and Remote Therapy (SMART): A Framework for Management of Chronic Hand Conditions, *Journal of Hand Therapy* 2014

Garg, R., Kraszewski,A., Holbrook, S., Syrkin, G., Hillstrom, H., Backus, S., Lenhoff, M., **Wolff, A.**, Crisco, J., Wolfe, S. Wrist kinematic coupling and performance during functional tasks: Effects of constrained motion. *Journal of Hand Surgery*. 2014.

Garg, R., Kraszewski,A., Hafer J., Hillstrom, H., Backus, S., Lenhoff, M., **Wolff, A.**, Mojekwu, N., Wolfe, S. Comparison of wrist kinematics and functional performance between surgical treatments for SLAC Wrist.. *Journal of Hand Surgery*. 2011.

Wolff, A., Hillstrom, H., Wolfe, S., Kraszewski, A., Garg, R.,Backus, S., Hafer, J., Lenhoff, M. Comparison of wrist kinematics and functional performance after midcarpal arthrodesis and proximal row carpectomy. *Journal of Hand Therapy*, 2011.

Carter TI, Pansy B, Wolff AL, Hillstrom HJ, Backus SI, Lenhoff M, **Wolfe SW**. Accuracy and reliability of three different techniques for manual goniometry for wrist motion: a cadaveric study. *J Hand Surg Am*. 2009.

Hillstrom H, Lenhoff M, Carter T, Syrkin G, Kraszewski A, Maheedhara S, Backus S, Vanadurongwan B, **Wolff A**, Wolfe S. Sawbone and in vitro validation of a novel joint coordinate system for global wrist motion. *Journal of Biomechanics*. 2008.

Lenhoff M, Carter T, Pansy B, **Wolff A**, Cheng R, Backus S, Crisco J, Hillstrom H, Wolfe S. An extension to the ISB wrist joint coordinate system: an in vitro accuracy study. *Journal of Biomechanics*, 2007.

Wolff A, Hotchkiss RN. Lateral Elbow Instability: Non-operative, Operative and Post-operative management. *Journal of Hand Therapy*. Vol19 (3) 2006.

Barenholtz A, **Wolff A**. Elbow Fractures and Rehabilitation. *Orthopedic Physical Therapy Clinics of North America*, 2001.

Wolff A. Therapeutic Management of Total Elbow Replacement in Techniques. *Hand and Upper Extremity Surgery*. Lippincott. Vol 3 2000

Manuscripts under preparation and review

Wolff, A.L., Kraszewski, A., Tran, L., Hillstrom, H., Wolfe, S.

Effect of restricted motion on performance of wrist specific functional tasks (Journal of Hand Surgery)

Wolff, A.L., Kaminski, T., Hillstrom, H.J., Gordon, A.M. Effect of alternating inter-manual training on hand shaping in children with unilateral spastic cerebral palsy (Developmental Medicine and Child Neurology).

Books

Mosca J, Cahill J, Cavanaugh, J, Scalise D, Rudnick H, **Wolff A** (Eds) *Post-Surgical Rehabilitation Guidelines for the Orthopedic Clinician*. Elsevier, 2006.

Chapters

Wolff A. The Musician. In Jacons MA and Austin NM (Eds) *Orthotic Intervention for the Hand and Upper Extremity*. Wolters Kluwer, 2019

Wolff A. Hand Function: Typical Development. In Abzuk, J et al (Eds) *Pediatric Hand Therapy*, Elsevier, 2019

Wolff A. and Duff S. Fine motor control in children and youth with cerebral palsy. In Miller F, et al (Eds) *Cerebral Palsy*, 2nd Edition. Springer 2018

Wolff A. Splinting the Elbow. In Coppard B and Lohman H (Eds) *Introduction to Splinting: A clinical reasoning and problem solving approach*. Mosby 2008.

Wolff A. Total Elbow Arthroplasty. In Mosca J, et al (Eds) *Post-Surgical Rehabilitation Guidelines for the Orthopedic Clinician*. Elsevier, 2006

Wolff A. Elbow fractures and dislocation. In Mosca J, et al (Eds) *Post-Surgical Rehabilitation Guidelines for the Orthopedic Clinician*. Elsevier, 2006

Wolff A. Radial Head Replacements. In Mosca J, et al (Eds) *Post-Surgical Rehabilitation Guidelines for the Orthopedic Clinician*. Elsevier, 2006

Wolff A. Contracture Release of the Elbow. In Mosca J, et al (Eds) *Post-Surgical Rehabilitation Guidelines for the Orthopedic Clinician*. Elsevier, 2006

Wolff A. Hinged Dynamic External Fixation of the Elbow. In Mosca J, et al (Eds) *Post-Surgical Rehabilitation Guidelines for the Orthopedic Clinician*. Elsevier, 2006

Wolff A. Therapist's Management of Rheumatologic Disorders of the Hand. In Paget S (ed). Manual of Rheumatology and Outpatient Orthopedic Disorders. Wolters Kluwer Health, 2006.

Research Support (Current)

Effect of injury prevention education on injury rates in musician-students. 2019-2020
Role: Principal Investigator, NIH/NCATS via CTSC Weill Cornell
Translational Science Center, 20K

Effect of injury prevention education on reducing upper extremity injuries in musicians 2019-2021
Role: Principal Investigator, American Hand Therapy Foundation, 30K

Kinematics and function in wrist hemi-arthroplasty patients. 2017-2019
Role: Principal Investigator, Extremity Medical, 49K

Use of elastography to quantify change in upper extremity muscle spasticity following botox injection in children with spastic cerebral palsy. 2016-2019
Role: Co-Principal Investigator, Radiological Society of North America, 40K

Completed Funding

Wrist functional limitations and patient expectations in patients with wrist pathology. Role: Co-Principal Investigator, HSS Surgeon in Chief Funding, 15K 2015-2016

Effect of alternating inter-manual training on differentiation of hand posture in children with cerebral palsy. Role: Principal Investigator, HSS Rehabilitation, 35K 2013-2016

Effect of restricted wrist circumduction on functional activities 2014-2015
Role: Co-Investigator, HSS Orthopedic Chief of Staff Fund, 11K

The effect of simulated elbow contracture on temporal and distance gait Parameters. Role: Co-Investigator, HSS Elbow Research Fund, 4K 2014-2015

Surgical Treatments for Scapho-lunate advanced collapse wrist: kinematics and functional Performance. Role: Co-Investigator HSS Surgeon in Chief Funding, Wrist Research Fund, 17K 2013-2014

Planning and Execution of Grasp in Children with Cerebral Palsy 2012-2013
Role: Principal Investigator, American Hand Therapy Foundation, 5K

Hand Posture Differentiation during Grasp in Children with Hemiplegic CP 2011-2012
Role: Principal Investigator, American Society for Hand Therapy, 5K

3D Motion Analysis of Partial Wrist Fusion and Proximal Row Carpectomy 2012-2013

Role: Co-Investigator, American Foundation Surgery of the Hand, 16K

Wrist Kinematics during Functional Activities: Mapping the Dart Thrower's Arc 2007-2009

Role: Co-Investigator, Orthopedic Research Education Fund, 100K

Invited/Contributed Talks

2020

Communication is Key, when things go wrong between patient and provider, Invited lecture, Georgia hand and Upper extremity special interest group, Memphis

Pain Neuroscience Education for chronic upper extremity pain conditions, Invited Keynote, Texas Society of Hand Therapy, Houston

Musician Injury Prevention: How do we close the gap between what we know and what we do, Invited International Lecture, Asian Pacific Federation of Societies for Surgery and Therapy of the Hand (APFSSH/APFSHT), Melbourne, Australia

Quantitative and qualitative analysis of upper extremity movement dysfunction to generate data to better inform rehabilitation, Invited International Lecture, Asian Pacific Federation of Societies for Surgery and Therapy of the Hand (APFSSH/APFSHT), Invited International Lecture, Melbourne, Australia

Use of inertial sensors to quantify arm asymmetry in individuals with spastic cerebral palsy, accepted podium, Asian Pacific Federation of Societies for Surgery and Therapy of the Hand (APFSSH/APFSHT), Invited International Lecture, Melbourne, Australia

Reliability of two wearable inertial sensor devices for measuring arm activity during gait, accepted poster, Asian Pacific Federation of Societies for Surgery and Therapy of the Hand (APFSSH/APFSHT), Invited International Lecture, Melbourne, Australia

Development of a patient-derived expectations survey for degenerative wrist arthritis, accepted podium, American Society for Surgery of the Hand, Fort Lauderdale

Elbow biomechanics, stability and function, Invited lecture, American Society for Surgery of the Hand, Fort Lauderdale

Reliability of two wearable inertial sensor devices for measuring arm activity during gait, accepted poster, Orthopedic Research Society,

2019

Pain Neuroscience Education for chronic upper extremity pain conditions, Instructional Course, American Society for Hand Therapists, Washington DC

Development of a patient-derived expectations survey for degenerative wrist arthritis, accepted podium, American Society for Hand Therapists, Washington DC

Musculoskeletal Health for Musicians, Invited Seminar, Bowling Green State University, College of Musical Arts, Bowling Green, Ohio

Precision Rehabilitation for Upper Extremity Injuries in Musicians: Individualize, Assessment, Prevention and Treatment, Instructional Course, Instructional Course, Performing Arts in Medicine Association (PAMA), Los Angeles

Pain Neuroscience Education for upper extremity chronic pain conditions, Invited Lecture, Triennial International Federation of Societies for Hand Therapy (IFSHT), Berlin Germany

Quantitative Techniques for Assessment of Upper Extremity Movement Dysfunction: Possibilities, Challenges, and Opportunities, Invited Lecture, Triennial International Federation of Societies for Hand Therapy (IFSHT), Berlin Germany

Congenital differences, Invited Chair, Triennial International Federation of Societies for Hand Therapy (IFSHT), Berlin Germany

Musculoskeletal Health for Musicians, Invited Lecture, Association of Concert Bands, Annual Convention, Woodcliff Lake, NJ

Music Health for Instrumentalists: Tips for Injury Prevention and Safe Practice, Invited Lecture. Local 802, Musician's Union, New York

Communication is key: how to be politically correct when things are going wrong with provider and patient Hand Therapy Association of California (HTA-Ca) Annual Conference, San Jose

Tendon Trauma gone wrong-Getting the patient back on track-splinting, modalities, exercises Hand Therapy Association of California (HTA-Ca) Annual Conference, San Jose

Shearwave ultrasound elastography to assess UE muscle stiffness in USCP, Accepted Podium, Gait and Clinical Movement Analysis Society Annual Meeting, Dallas

Elite Performers: Managing expectations and safe return to performance and competitions, Invited Honored Professor, Surgery and Rehabilitation of the Hand, Annual Symposium, Philadelphia

Tailoring treatment to occupational needs and individual pathology in the injured musician: The interplay of research and practice, Invited Honored Professor, Surgery and Rehabilitation of the Hand, Annual Symposium, Philadelphia

Rehabilitation Strategies for Upper Extremity Injuries in Musicians: Assessment, Prevention, Treatment, Invited Honored Professor, Surgery and Rehabilitation of the Hand, Annual Symposium, Philadelphia

Healthy Habits for Highly Successful Musicians, Invited workshop series, Hartt School of Music, University of Hartford, Hartford, Manhattan School of Music, New York, The Juillard School, New York

Therapy Management for Wrist Instability, Invited Lecture, American Association for Hand Surgery, Palm Springs

2018

Tailoring treatment to occupational needs and individual pathology: The interplay of research and practice – Wrist Biomechanics, Invited International Scholar, Israeli Society for Surgery of Hand, Tel Aviv

General Musical Health for the Orchestral Musician: Tips for Injury Prevention and Safe Practice
Manhattan School of Music, New York

Quantitative measures for upper extremity dysfunction: What's new? Instructional Course
American Academy of Cerebral Palsy and Developmental Medicine, Annual Meeting, Cincinnati

Hand therapy considerations for wrist instability, Invited presidential panel
American Society for Hand Therapy, Annual Meeting, Dallas

The use of wearable inertial sensors to quantify arm asymmetry during gait in individuals with USCP,
Podium, Pediatric Hand Surgery Group Annual Meeting (PHSG), Columbus

Shearwave ultrasound elastography to assess UE muscle stiffness in USCP, Podium
Pediatric Hand Surgery Group Annual Meeting (PHSG), Columbus

Quantitative techniques for assessment of pediatric upper extremity movement
Instructional Course
Pediatric Hand Surgery Group Annual Meeting (PHSG), Columbus

Flexor Tendon Injury Rehabilitation: Pediatric Considerations, Instructional Course
Pediatric Hand Surgery Group Annual Meeting (PHSG), Columbus

Rehabilitation Strategies for the Injured Musician, Invited Instructional Course
Surgery and Rehabilitation of the Hand, Annual Symposium, Philadelphia

Wrist Instability, Invited Lecture
Surgery and Rehabilitation of the Hand, Annual Symposium, Philadelphia

Elbow Instability, Invited Lecture
Surgery and Rehabilitation of the Hand, Annual Symposium, Philadelphia

Musician's Injuries: Rehabilitation, Invited Instructional Course
Surgery and Rehabilitation of the Hand, Annual Symposium, Philadelphia

Pediatric Hand Surgery Rehabilitation Considerations, Invited Instructional Course
American Association for Hand Surgery, Phoenix

Quantitative techniques for assessment of upper extremity movement dysfunction
Invited International Faculty
East European and Mediterranean Cerebral Palsy & Developmental Medicine organization
(EEMCPDM), Tel Aviv

Hand therapy interventions in Cerebral Palsy: What's new? What's true? And what can therapists do? Invited International Faculty
East European and Mediterranean Cerebral Palsy & Developmental Medicine organization
(EEMCPDM), Tel Aviv

2017

Therapeutic Management of Complex Regional Pain Syndrome, Invited Scholar
Hand and Upper Limb Center, St Joseph's Health Care, London, Ontario

Therapeutic Management of Distal Radius Fractures, Invited Scholar
Hand and Upper Limb Center, St Joseph's Health Care, London, Ontario

Ulnar-sided wrist pain: a treatment algorithm: Invited Scholar
Hand and Upper Limb Center, St Joseph's Health Care, London, Ontario

Quantitative techniques for assessment of upper extremity movement dysfunction, *Invited Chair and speaker*, GCMAS sponsored pre-course at AACPD, Montreal

Effect of alternating intermanual training on hand shaping during grasp in children with unilateral spastic cerebral palsy, Podium
American Association for Hand Surgery (AAHS) annual meeting, Hawaii

Vargas International Teaching Award – Experience in Guatemala, Invited Lecture
American Association for Hand Surgery (AAHS) annual meeting, Hawaii

Complications following Wrist Surgery – Invited Instructional Course
American Association for Hand Surgery (AAHS) annual meeting, Hawaii

Mysteries of the wrist: what's new, what's true and what can therapists do?, Invited Lecture
American Association for Hand Surgery (AAHS) annual meeting Hawaii

2016

Effect of alternating intermanual training on hand shaping during grasp in children with unilateral spastic cerebral palsy, Podium
American Society for Hand Therapy (ASHT) annual meeting, Washington DC
American Academy of Cerebral Palsy and Developmental Medicine (AACPD), Hollywood
World Congress for Cerebral Palsy, Stockholm
Gait and Clinical Movement Society Annual Meeting (GCMAS) annual meeting, Memphis.

Elbow symmetry improves with age during gait in children with cerebral palsy,

Podium Presentation

American Academy of Cerebral Palsy and Developmental Medicine (AACPDM), Hollywood

Application of digital technology for upper extremity rehabilitation, maximizing outcomes, Instructional Course, American Society for Hand Therapy (ASHT), Washington DC

Computational modeling of brachial plexus injury, Poster presentation.
GCMAS annual meeting, Memphis.

Rehabilitation following Scapho-lunate Dissociation, Invited Lecture,
Surgery and Rehabilitation of the Hand, Annual Symposium, Philadelphia

Biomechanics of Elbow Stiffness, Implications for Rehabilitation, Invited Lecture
Surgery and Rehabilitation of the Hand, Annual Symposium, Philadelphia

Rehabilitation Management of Elbow Instability, Invited Instructional Course
Surgery and Rehabilitation of the Hand, Annual Symposium, Philadelphia

Wrist Biomechanics, Dynamic Stability and Function, Invited Instructional Course
Surgery and Rehabilitation of the Hand, Annual Symposium, Philadelphia

Rehabilitation for Brachial Plexus Injuries, Invited Instructional Course
American Association for Hand Surgery (AAHS), Scottsdale

Flexor Tendon Injury Rehabilitation, Invited Instructional Course
American Association for Hand Surgery (AAHS), Scottsdale

2015

Brachial Plexus Assessment and Rehabilitation Management, Invited Lecture
American Association for Neuromuscular and Electrodiagnostic Medicine (AANEM), Honolulu

Effect of Varus Rotational Osteotomy (VRO) on Upper Extremity Motion during Gait in Cerebral Palsy, Poster. American Academy of Cerebral Palsy and Developmental Medicine (AACPDM), Austin

Musician's Dystonia: Model for Maladaptive Neuroplasticity. Invited Lecture
American Association for Hand Surgery (AAHS), Annual Meeting. Bahamas

Quantitative Clinical and Biomechanical Analysis of Upper Extremity Movement Dysfunction, Instructional Course, Gait and Clinical Movement Society Annual Meeting (GCMAS), Portland.

The effect of simulated elbow stiffness on gait parameters, Poster presentation.
GCMAS Annual Meeting, Portland

Effect of VRO surgery on Upper Extremity function and symmetry during gait, Podium
World Congress for Pediatric Upper Limb Disorders, Rotterdam.

Effect of reciprocal inter-limb training on differentiation of hand posture in children with cerebral palsy, Poster, World Congress for Pediatric Upper Limb Disorders, Rotterdam.

2014

Analysis of complex upper extremity movement dysfunction in children with Cerebral Palsy, Invited Guest Scholar, Schneider's Children's Medical Center, Israel

Novel use of Motion Analysis Technology: Application to Upper Extremity Assessment, Invited Lecture, AACPD Annual Meeting, San Diego

Cortical control of hand function, Instructional Course, ASHT Annual Meeting, Boston

Effect of restricted motion on performance of wrist specific functional tasks, Poster presentation Combined ASSH/ASHT, Annual Meeting, Boston

Wrist Rehabilitation, Focus on Dart-thrower's Motion, Invited Lecture, AAHS Annual Meeting, Kauai

2013

Rehabilitation following Scapho-lunate Dissociation, Invited Lecture, Surgery and Rehabilitation of the Hand, Annual Symposium, Philadelphia

Therapeutic Management of Pediatric Flexor Tendon Injuries, Invited Lecture, AAHS Annual Meeting, Naples

Patient Centered Approach for Management of Systemic Sclerosis, Instructional Course ASHT Annual Meeting, Chicago

2012

Planning and Execution of Grasp in Children with Cerebral Palsy, Poster Presentation ICPC, Pisa

Differentiation of Hand Posture in Children with Cerebral Palsy, Scientific Abstract, ASHT Annual Conference, San Diego

Use of Motion Capture Systems in the Diagnosis and Investigation of Upper Extremity Movement, Instructional course, ASHT Annual Meeting, San Diego

Graded Motor Imagery: Applications for Rehabilitation (Musician's Dystonia) Invited Tutorial, Surgery and Rehabilitation of the Hand, Annual Symposium, Philadelphia

1995-2012: Available upon request