

Federico Pozzi, PT, MA, PhD

University of Florida
Department of Physical Therapy
Box 100154
Gainesville, FL 32610-0154
fpozzi@phhp.ufl.edu

https://www.researchgate.net/profile/Federico_Pozzi2

PROFESSIONAL APPOINTMENTS

- 2018 - present **Assistant Professor**
Department of Physical Therapy
University of Florida, Gainesville, FL, USA
- 2015 - 2018 **Post-Doctoral Research Associate**
Clinical Biomechanics Orthopedic and Sports Outcomes Research (COOR) Laboratory
Department of Biokinesiology and Physical Therapy
University of Southern California, Los Angeles, CA, USA
Mentor: Lori Michener, PT, ATC, PhD, SCS, FAPTA
- 2010 - 2011 **Research Scientist**
Department of Physical Therapy
New York University

EDUCATION

- 2015 **Doctor of Philosophy**, Biomechanics and Movement Science Program
University of Delaware, Newark, DE, USA
Advisor: Joseph Zeni Jr., PT, PhD
GPA: 4.00
Dissertation Title: Optimizing functional and biomechanical outcomes following total joint arthroplasty.
- 2010 **Master of Arts**, Pathokinesiology
New York University, New York, NY, USA
Advisor: Marilyn Moffat, PT, DPT, PhD, DSc (Hon), GSC, CSCS, CEEAA, FAPTA
GPA: 3.89
Thesis title: Effects of ankle instability and local muscle fatigue on neuromuscular control during performance of the star excursion balance test.
- 2006 **Laurea in Fisioterapia** (B.Sc., Physical Therapy)
Università Vita-Salute San Raffaele, Milano, Italy
Final Grade: 109/110
Thesis title: Surface electromyography of the arm elevated on the scapular plane in subjects with rotator cuff tears.

LICENSURE

New York State, Physical Therapist, #041182
Florida State, Physical Therapist, PT34087

PUBLICATIONS

Referred Journals

1. **Pozzi F**, Plummer HA, Shanley E, et al. (2020) Preseason shoulder range of motion screening and in-season risk of shoulder and elbow injuries in overhead athletes: systematic review and meta-analysis. *British Journal of Sports Medicine*. [Epub]
2. **Pozzi F**, Plummer HA, Sanchez N, Lee Y, Michener LA. (2019) Electromyography activation of shoulder and trunk muscles is greater during closed chain compared to open chain exercises. *Journal of Electromyography and Kinesiology*. [Epub]
3. Madara K, Aljehani M, **Pozzi F**, Colonna E, Zeni JA. (2019) The effect of extension assist orthosis with pneumatic bladders on pain and function for patients with early knee osteoarthritis. *Annals of Translational Medicine*. [Epub]
4. Young IA, **Pozzi F**, Dunning J, Linkonis R, Michener LA. (2019). Immediate and Short-term Effects of Thoracic Spine Manipulation in Patients With Cervical Radiculopathy: A Randomized Controlled Trial. *Journal of Orthopaedic & Sports Physical Therapy*, 49(5), 299–309.
5. Adams D, **Pozzi F**, Willy R, Carrol A, Zeni J. (2018) Altering Cadence or Vertical Oscillation During Running: Effects on Running Related Injury Factors. *International Journal of Sport Physical Therapy*, 13(4), 633-642.
6. **Pozzi F**, White DK, Snyder-Mackler L, Zeni J Jr. (2018) Restoring physical function after total knee arthroplasty: a cross sectional comparison of progressive strengthening vs. standard physical therapy. *Physiotherapy Theory & Practice*. [Epub]
7. Plummer HA, **Pozzi F**, Michener LA. (2018) Comparison of two trunk electromagnetic sensor placement methods during shoulder motion analysis. *Journal of Biomechanics*. 68(2), 132-135.
8. Plummer H, Sum J, **Pozzi F**, Varghese R, Michener L. (2017) Observational Scapular Dyskinesis: Known-Groups Validity in Patients With and Without Shoulder Pain. *Journal of Orthopedic and Sports Physical Therapy*. 47(8), 530-537.
9. Abujaber S, **Pozzi F**, Zeni J. (2017) Influence of weight bearing visual feedback on movement symmetry during sit to stand task. *Clinical Biomechanics*. 8(6), 110-116.
10. **Pozzi F**, Seitz A, Plummer H, Chow K, Bashford G, Michener L. (2017) Supraspinatus tendon micromorphology in individuals with subacromial pain syndrome. *Journal of Hand Therapy*. 30(2), 214-220.
11. **Pozzi F**, Madara K, Zeni J. (2017) A six-week supervised exercise and educational intervention after total hip arthroplasty: a case series. *International Journal of Sport Physical Therapy*. 12(2), 258-268.
12. **Pozzi F**, Di Stasi S, Zeni J, Barrios J. (2017) Single-limb drop landing biomechanics in active individuals with and without a history of anterior cruciate ligament reconstruction: a total support analysis. *Clinical Biomechanics*. 43(3), 28-33.
13. **Pozzi F**, Marmon A, Snyder-Mackler L, Zeni J. (2016) Total support moment during a step up and over task in subjects six months after total joint arthroplasty. *Gait & Posture*. 49(9), 41-46.
14. Adams D, **Pozzi F**, Carrol A, Rombach A, Zeni J. (2016) Validity and Reliability of a Commercial Fitness Watch for Measuring Running Dynamics. *Journal of Orthopedic and Sports Physical Therapy*. 46(6), 471-476.
15. **Pozzi F**, Moffat M, Gutierrez GM. (2015) Neuromuscular control during performance of a dynamic balance task in subjects with and without ankle instability. *International Journal of Sports Physical Therapy*. 10(4), 520-9.

16. Abujaber S, Marmon A, **Pozzi F**, Rubano J, Zeni J. (2015) Sit-To-Stand Biomechanics Before and After Total Hip Arthroplasty. *Journal of Arthroplasty*. 30(11), 2027-2033. *Journal of Arthroplasty*. 30(11), 2027-2033.
17. Zeni J, **Pozzi F**, Miller L, Rasis L. (2015) Relationship between physical impairments and movement patterns during gait in patients with end-stage hip osteoarthritis. *Journal of Orthopedic Research*, 33(3), 382-9.
18. **Pozzi F**, Zeni J, Snyder-Mackler L. (2015) Relationship between biomechanical asymmetries during a step up and over task and functional performance after total knee arthroplasty. *Clinical Biomechanics*, 30(1), 78-85.
19. Zeni J, Abujaber S, **Pozzi F**, Rasis L. (2014) Relationship between strength, pain, and different measures of functional ability in patients with end-stage hip osteoarthritis. *Arthritis Care and Research*, 66(10), 1506-1512.
20. Dundas M, Gutierrez GM, **Pozzi F**. (2014) Neuromuscular control during stepping down in continuous gait in individuals with and without ankle instability. *Journal of Sport Sciences*, 32(10), 926-33.
21. Marmon A, **Pozzi F**, Alnahdi A, Zeni J. (2013) The validity of plantarflexor strength measures obtained through hand-held dynamometry measurements of force. *International Journal of Sport Physical Therapy*, 8(6), 820-26.
22. **Pozzi F**, Snyder-Mackler L, Zeni J. (2013) Physical Exercise after Total Knee Arthroplasty: a Systematic Review of Controlled Trials. *European Journal of Physical and Rehabilitation Medicine*, 49(6), 877-92.
23. Zeni J, Flowers P, Abujaber S, **Pozzi F**, Snyder-Mackler L. (2013) Biofeedback to Promote Movement Symmetry After Total Knee Arthroplasty: A Pilot and Feasibility Study. *The Journal of Orthopedic and Sport Physical Therapy*, 43(10), 715-26.
24. **Pozzi F** and Gutierrez GM. (2013) Biomechanical and EMG analysis of stepping down during ongoing gait in young individuals. *Italian Journal of Physiotherapy*, 3(1), 3-10.

GRANTS

Funded

- 2018 **Rehabilitation Research Career Development Program (K12 HD055929)**
National Center for Medical Rehabilitation Research (NICHD)
PI: Kenneth Ottenbacher, OTR, PhD
Role: Scholar
- 2017 **The Charles D. and Mary A. Bauer Foundation (\$25,000)**
Project title: Shoulder Tendon Health in Dental Hygienists.
Principal Investigator: Lori Michener
Role: Co-Investigator
The purpose of the project is to determine the predictive validity of clinical and ultrasound measures for early detection of work-related shoulder pain.
- 2016 **Career Development Grant (\$50,000)**
Orthopaedic Section, American Physical Therapy Association
Project title: Performance of shoulder muscles after a physical therapy intervention for patients with rotator cuff tears
Role: Principal Investigator
The purpose of this project is to assess the recovery of patients with full-thickness rotator cuff tears after a course of physical therapy and compare them to healthy controls without shoulder pain.

Not-funded

- 2017 **Pilot Study Program** (\$25,000)
Center of Health Care Training and Research (CoHSTAR)
Invited research proposal
Project title: Physical Therapy for Shoulder Disorders: Effect of Dosing and Treatment Content on Downstream Healthcare Services Utilization and Costs
Role: Co-Principal investigator (lead)

AWARDS

- | | |
|------|--|
| 2019 | JOSPT Guy G. Simoneau Excellence in Research Award
Journal of Orthopaedic and Sport Physical Therapy |
| 2018 | Outstanding (top 5%) Reviewer
Arthritis Care & Research |
| 2017 | Postdoctoral Scholar Training & Travel Award (\$1,500)
USC Office of Postdoctoral Affairs and USC Postdoctoral Association |
| 2016 | Outstanding (top 5%) Reviewer
Arthritis Care & Research |
| 2014 | Professional development award (\$800)
University of Delaware |
| 2013 | Student Travel Award (\$250)
American Society of Biomechanics |
| 2012 | Student Travel Award (\$200)
American College of Sports Medicine, Biomechanics Interest Group |
| 2012 | Presentation Award (\$500)
12 th Marilyn Gossman Graduate Student Research Seminar
American Physical Therapy Association |
| 2012 | Professional development award (\$800)
University of Delaware |
| 2011 | Travel Award (\$500)
Force & Motion Foundation |

INVITED PRESENTATIONS

- 2020 **Panelist, educational session**
Academic Careers: Negotiating and Advancing within the PT profession
Combined Section Meeting of the American Physical Therapy Association. Denver, CO, USA.
- 2019 **Guest Seminar**
The epidemic spread of predatory publishing: resources for researchers
T32 Trainees monthly seminar. University of Florida.

Continuing education seminar

The epidemic spread of predatory publishing: solutions for clinicians.
UF Health Rehabilitation Hospital.

Guest Seminar

The epidemic spread of predatory publishing
Rehabilitation Science Seminar. University of Florida.

Indaba session leader

Predatory publishing and conference: how to spot them?
2019 Congress of the World Confederation of Physical Therapy. Geneva, Switzerland.

Panelist, educational session

The Dark Side of PubMed: Predatory Journals
Combined Section Meeting of the American Physical Therapy Association. Washington DC, USA.

2018 Guest speaker

Linee guida nelle patologie della spalla
Congresso della società Italiana di Fisioterapia, Milano, Italia.

Guest speaker

Rehabilitation using a Closed Chain Approach for Patients with Rotator Cuff Tears
USC Shoulder update 2018: diagnosis and management. Los Angeles, CA, USA.

2017 Guest seminar

Università Vita-Salute San Raffaele. Milano, Italy
Professional opportunities for Italian physical therapists in the United States
Physical therapy interventions for patients with rotator cuff tears

Panelist, educational session

To Post-doc or Not to Post-doc: Deciding, Finding, and Funding a Post-doc
Combined Section Meeting of the American Physical Therapy Association. San Antonio, TX, USA

2016 Guest speaker

Functional recovery after shoulder arthroplasty
USC Shoulder update 2016: diagnosis and management. Los Angeles, CA, USA.

TEACHING EXPERIENCE

University of Florida, Department of Physical Therapy

Instructor**Functional anatomy I & II**

Responsibilities: Lecturing, supervising students during cadaver laboratory dissection, setting up for and grading cadaver exams, biological and chemical trash disposal.

**Guest
Lecturer****Applied Kinesiology (OTH 3413, spring 2020)**

Presented a lecture titled "The shoulder complex".

University of Southern California, Division of Biokinesiology and Physical Therapy

Instructor **Evidence for physical therapist practice** (PT-561c, fall 2017)
Responsibilities: Supervised students during in-class research manuscript appraisal; exam grading. Presented a lecture titled: "Insight into publishing".

Evidence for physical therapist practice (PT-561b, spring 2017 & 2018)
Responsibilities: Supervised students during in-class practical exercises, including Pubmed searches, use of reference manager software (Mendeley), and article appraisal.

Guest Lecturer **Evidence for physical therapist practice** (PT-561a, two semesters spring 2016 & 2017)
Presented a lecture titled "Clinical research opportunities for DPT students".

Moderator **Clinical Research Interest Group**
Responsibilities: identify topics for each meeting and assign appropriate articles. Appraise articles and lead the discussion on the topic.

University of Delaware, Doctor of Physical Therapy Program

Teaching Assistant **Clinical Gross Anatomy** (PHYT622, four semesters, from summer 2012 to 2015)
Responsibilities: Supervising students during cadaver laboratory dissection, setting up for and grading cadaver exams, biological and chemical trash disposal.

Basic Evaluation Techniques (PHYT624, four semesters, from fall 2011 to 2014)
Responsibilities: Supervising students during laboratory exercises, supervising students during group clinical case practices, including: guiding during functional evaluations, assessing students performing: range of motion measures, isometric muscle test, manual muscle test, and special tests; reviewing SOAP notes. Administering clinical practical exams. Presented a lecture titled: "Functional Evaluation of the Hip Joint".

Rehabilitation (PHYT805, two semesters, fall 2011 & 2012)
Responsibilities: Managing website for the class, setting up class for external instructors, supervising students during laboratory exercises.

Advance Regional Anatomy (PHYT626, two semesters, winter 2014&2015)
Responsibilities: Supervising students during advanced cadaver laboratory dissection, biological and chemical trash disposal.

Electrotherapy (PHYT634, one semester, spring 2012)
Responsibilities: Supervising student students during electro-modalities (NEMS, FES, TENS) laboratories; administering final practical exam.

Guest Lecturer **Musculoskeletal evaluation** (PHYT608, three semesters, from summer 2013 to 2015)
Presented a lecture titled: "Rehabilitation after Total Joint Arthroplasty"

CONFERENCE ABSTRACT PRESENTATIONS

2020 **Pozzi F**, Sousa C, Plummer HA, Andrade B, Hewus A, Kono N, Mack W, Roll S, Michener LA. Changes in Supraspinatus Tendon Morphology With Onset of Shoulder Pain in Repetitive Job-Related Shoulder Tasks: A Longitudinal Study. Accepted as platform presentation at the 71st Clinical Symposia of the National Athletic Trainers Association. Atlanta, GA.

Pozzi F, Sousa C, Plummer HA, Andrade B, Hewus A, Kono N, Mack W, Roll S, Michener LA. Repetitive Dental Hygienist Job-Related Tasks Increase the Risk of Shoulder Pain and Altered Supraspinatus Morphology. Platform presentation at the Combined Section Meeting of the American Physical Therapy Association. Denver, CO.

Pozzi F, Young I, Michener LA. Change in Neck Pain Discriminates Patients with Cervical Radiculopathy That Respond to Thoracic Manipulation. Poster presentation at the Combined Section Meeting of the American Physical Therapy Association. Denver, CO.

Zeppieri G, Bruner M, Davis K, Moser M, Farmer K, **Pozzi F**. Preseason Strength and ROM Differ in College Softball Players Sustaining Injuries during the Competitive Season. Platform presentation at the Combined Section Meeting of the American Physical Therapy Association. Denver, CO.

Lancaster B, Borut M, Sansone T, **Pozzi F**. Optimizing Load Dosage Using Repetitions-in-Reserve: A Case Study of a Runner with Achilles Tendinopathy. Platform presentation at the Combined Section Meeting of the American Physical Therapy Association. Denver, CO.

Heak K, Zeppieri G, Bruner M, Moser M, Farmer K, **Pozzi F**. Preseason Upper Extremity Range of Motion and Strength, and in-season Injuries in Division I Collegiate Gymnasts. Poster presentation at the Combined Section Meeting of the American Physical Therapy Association. Denver, CO.

Beak L, Lamothe M, Ginoza L, Sigma E, Hankard J, Michener L, **Pozzi F**. Psychometric Properties of the Chronic Headache Self-Efficacy Scale (CHASE): Preliminary Study. Poster presentation at the Combined Section Meeting of the American Physical Therapy Association. Denver, CO.

2019 **Pozzi F**, Plummer HA, Bauer C, Shanley E, Thigpen C, Johnson R, Wilson M, Michener LA. Screening range of motion to predict upper extremity injury in overhead athletes: a systematic-review and meta-analysis. Platform presentation at the International Shoulder and Elbow Therapist Conference, Buenos Aires, Argentina.

Pozzi F, Plummer HA, Sum JC, McNeill BT, Chow K, Winstein CJ, Michener LA. Functional recovery of patients with full thickness rotator cuff tears discharged from physical therapy. Platform presentation at the Combined Section Meeting of the American Physical Therapy Association. Washington, DC.

Pozzi F, Plummer HA, Sanchez N, Lee Y, Michener LA. Closed chain exercises of the upper extremity elicit greater activation of shoulder and trunk muscles. Poster presentation at the Combined Section Meeting of the American Physical Therapy Association. Washington, DC.

Michener LA, Plummer HA, Bauer C, Shanley E, Thigpen C, Johnson R, **Pozzi F**. Screening range of motion and strength to predict upper extremity injury in overhead athletes: a systematic-review. Poster presentation at the Combined Section Meeting of the American Physical Therapy Association. Washington, DC.

Young IA, **Pozzi F**, Dunning, J, Linkonnis R, Michener, LA. Thoracic Spine Manipulation in Patients With Cervical Radiculopathy: A Randomized Controlled Trial. Platform presentation at the Combined Section Meeting of the American Physical Therapy Association. Washington, DC.

Lamothe MA, Hankard J, Sigman E, Ginoza L, Michener LA, **Pozzi F**. Chronic Headache Self-Efficacy Scale (CHASE): Preliminary Assessment of Measurement Properties. Poster presentation at the Combined Section Meeting of the American Physical Therapy Association. Washington, DC.

- 2018 **Pozzi F**, Plummer HA, Lee Y, Sanchez N, Michener LA. Electromyography activation of shoulder muscles during open and closed chain exercises for the upper extremity. Platform presentation at the 12th Meeting of the International Shoulder Group. Rochester, MN, USA.

Sousa CO, **Pozzi F**, Plummer HA, Roll SC Michener LA. Shoulder tendon macromorphology and impairments in dental hygienists. Poster presentation at the 12th Meeting of the International Shoulder Group. Rochester, MN, USA.

Plummer HA, **Pozzi F**, McNeill BT, Sum JC, Michener LA. Scapular kinematics following a closed-chain rehabilitation program in patients with rotator cuff tears. Platform presentation at the 12th Meeting of the International Shoulder Group. Rochester, MN, USA.

Pozzi F, Plummer HA, Sum JC, McNeill BT, Chow K, Itamura JM, Michener LA. Feasibility and efficacy of a closed chain strengthening protocol for patients with full thickness rotator cuff tears. Platform presentation at the Combined Section Meeting of the American Physical Therapy Association; New Orleans, LA.

Hankard J, Ginoza, L, Sigman E, Kim B, Michener L, **Pozzi F**. Chronic Headache Self-Efficacy Scale (CHASE): Preliminary Assessment of Reliability. Poster at the Combined Section Meeting of the American Physical Therapy Association; New Orleans, LA.

- 2017 Hankard J, Sigman E, Ginoza L, **Pozzi F**, Michener LA. The Validation of a Self-Efficacy Scale for Chronic Headache: A Methods Study. Poster presentation at the Congress of the International Headache Society, Vancouver, BC, Canada.

Young I, **Pozzi F**, Dunning J, Linkonnis R, Michener L. Immediate and short-term effects of thoracic spine manipulation in Patients with cervical radiculopathy: a randomized controlled trial. Rapid 5 presentation at the 2017 Congress of the World Confederation of Physical Therapy; Cape Town, South Africa.

Pozzi F, Seitz AL, Plummer HA, Bashford G, Michener LA. Supraspinatus tendon micromorphology and the relationship with patient-reported outcomes in individuals with subacromial pain syndrome. Platform presentation at the 2017 Combined Section Meeting the American Physical Therapy Association; San Antonio, TX, USA.

Michener LA, Plummer HA, **Pozzi F**, Varghese R, Sum JC. Observational Scapular Dyskinesis: Is it relevant? Platform presentation at the 2017 Combined Section Meeting the American Physical Therapy Association; San Antonio, TX, USA.

Zeni J, Madara K, **Pozzi F**, Marmon A. Age and pain do not differentiate between high- and low-functioning groups prior to joint arthroplasty. Poster presentation at the 2017 Combined Section Meeting the American Physical Therapy Association; San Antonio, TX, USA.

Madara K, Zeni J, **Pozzi F**. Effectiveness of a novel knee unloader brace for osteoarthritis on gait and functional performance. Poster presentation at the 2017 Combined Section Meeting the American Physical Therapy Association; San Antonio, TX, USA.

- 2016 **Pozzi F**, Plummer HA, Seitz AL, Bashford G, Michener LA. Supraspinatus tendon morphology is not related to symptoms and functional loss in individuals with subacromial pain syndrome. Platform presentation at the 24th Annual conference of the American Society of Shoulder and Elbow Therapists. Boston, MA, USA.

Michener LA, Plummer HA, **Pozzi F**, Varghese R, Sum JC. Observational Scapular Dyskinesis: Is it relevant? Platform presentation at the 24th Annual conference of the American Society of Shoulder and Elbow Therapists. Boston, MA, USA.

Pozzi F, Zaffagnini S, Snyder-Mackler L, Zeni J. Bridging the gap: an exercise intervention to return to play after total hip arthroplasty. Poster presentation at the XXV Isokinetic conference: "Return to play 2016"; London, UK.

Pozzi F, Madara K, Fentemacher S, Zeni J. Feasibility and preliminary efficacy of an aerobic and strengthening exercise protocol for patients after total hip arthroplasty. Poster presentation at the Combined Section Meeting of the American Physical Therapy Association; Anaheim, CA, USA.

Pozzi F, Abujaber S, Zeni J. Recovery after total hip arthroplasty: implications for timing of rehabilitation interventions. Platform presentation at the Combined Section Meeting of the American Physical Therapy Association; Anaheim, CA, USA.

Adams D, **Pozzi F**, Rombach A, Carrol A, Zeni J. Validity and utility of a commercial GPS watch for measuring running dynamics. Platform presentation at the Combined Section Meeting of the American Physical Therapy Association; Anaheim, CA, USA.

Madara K, **Pozzi F**, Zeni J. Difference in hip abductor strength between two different surgical approaches for total hip arthroplasty. Platform presentation at the Combined Section Meeting of the American Physical Therapy Association; Anaheim, CA, USA.

- 2015 **Pozzi F**, Rombach A, Zeni J, Di Stasi S, Barrios JA. Single-limb drop landing biomechanics following anterior cruciate ligament reconstruction. Platform presentation at the 39th Annual Meeting of the American Society of Biomechanics; Columbus, OH, USA.

Pozzi F, Marmon A, Snyder-Mackler L, Zeni J. Control strategies during a step up and over task in patients six months after total knee arthroplasty and healthy controls. Poster presentation at the 39th Annual Meeting of the American Society of Biomechanics; Columbus, OH, USA.

Madara K, **Pozzi F**, Zeni J. Relationship between change in pain and change in outcomes at three-month post total hip arthroplasty surgery. Poster presentation at the 2015 Research Retreat of the Section of Research of the American Physical Therapy Association; Bryant University, Smithfield, Rhode Island, USA.

Northey M, Madara K, **Pozzi F**, Zeni J. Functional outcomes and strength measures relationship to ground reaction force symmetry in individuals with end-stage hip osteoarthritis. Poster presentation at the 5th Annual Graduate Research Forum; University of Delaware; Newark, USA.

Fentesmacher S, **Pozzi F**, Madara K, Zeni J. Relationship between biomechanical symmetry during a sit to stand task and functional performance in patient 3 months after total hip arthroplasty. Poster presentation at the 5th Annual Graduate Research Forum; University of Delaware; Newark, USA.

Pozzi F, Abujaber S, Fenstermacher S, Zeni J. Relationship between functional performance and falls in female patients with end stage hip osteoarthritis. Poster presentation at the World Congress of the Osteoarthritis Research Society International (OARSI); Seattle, USA.

Zeni J, Miller L, **Pozzi F**, Abujaber S. Clinical impairments underlying abnormal frontal plane biomechanics in persons with end-stage hip osteoarthritis. Poster presentation at the World Congress of the Osteoarthritis Research Society International (OARSI); Seattle, USA.

Pozzi F, Snyder-Mackler L, Zeni J. Effectiveness of a progressive strengthening rehabilitation protocol in restoring function one year following total knee arthroplasty. Platform presentation at the Combined Section Meeting the American Physical Therapy Association; Indianapolis, IN, USA.

Zeni J, Abujaber S, **Pozzi F**. Are Changes in Clinical Impairments Related to Improvements in Function after Total Hip Arthroplasty? Platform presentation at the Combined Section Meeting the American Physical Therapy Association; Indianapolis, IN, USA.

- 2014 **Pozzi F**, Abujaber S, Zeni J. Preoperative predictors of postoperative function in individuals undergoing total hip arthroplasty. Poster presentation at the World Congress of the Osteoarthritis Research Society International (OARSI); Paris, France.

Zeni J, Miller L, **Pozzi F**, Abujaber S. Clinical impairments underlying abnormal frontal plane biomechanics in persons with end-stage hip osteoarthritis. Poster presentation at the World Congress of the Osteoarthritis Research Society International (OARSI); Paris, France.

Zeni J, Abujaber S, **Pozzi F**, Raisis L. Pain and strength are related to different measure of functional ability in patient with hip OA. Poster presentation at the Arthritis State of the Science meeting; Pentagon City, VA, USA.

Pozzi F & Zeni J. Relationship between gait compensation and hip pain and abductors strength in individuals with end-stage hip osteoarthritis. Platform presentation at the Combined Section Meeting of the American Physical Therapy Association; Las Vegas, NV, USA.

Zeni J & **Pozzi F**. Strength and pain are related to different measures of disability in patients with hip osteoarthritis. Platform presentation at the Combined Section Meeting of the American Physical Therapy Association; Las Vegas, NV, USA.

- 2013 **Pozzi F**, Abujaber S, Zeni J. Biomechanical asymmetries during gait in individuals before and three months after unilateral total hip arthroplasty. Poster presentation at the 37th Annual Meeting of the American Society of Biomechanics (ASB); Omaha, NE, USA.

Pozzi F, Abujaber S, Flowers P, Zeni J. Lower limb strength and gait biomechanics of individuals with end-stage hip osteoarthritis. Poster presentation at the annual World Congress of the Osteoarthritis Research Society International (OARSI); Philadelphia, USA. *Osteoarthritis and Cartilage*. 2013; 21(S): S106-107.

Pozzi F, Zeni J, Cheadle K, Snyder-Mackler L. Functional outcomes following a novel rehabilitation protocol to promote symmetrical loading after total knee arthroplasty. Platform presentation at the Combined Section Meeting of the American Physical Therapy Association; San Diego, CA, USA.

- 2012 **Pozzi F**, Alnahdi A, Zeni J, Snyder-Mackler L. Loading patterns during a step-up-and-over task in individuals following total knee arthroplasty. Poster presentation at the 36th Annual Meeting at of the American Society of Biomechanics (ASB); Gainesville, FL, USA.

Abujaber S, Zeni J, Alnahdi A, **Pozzi F** and Snyder-Mackler L. Sit to stand mechanics after symmetry training for patients after total knee arthroplasty. Poster presentation at the 36th Annual Meeting at of the American Society of Biomechanics (ASB); Gainesville, FL, USA.

Pozzi F, Alnahdi A, Marmon A, Snyder-Mackler L. Comparison of handheld device and electromechanical dynamometer for measuring plantarflexors force. Poster presentation at the 59th Annual Meeting of the American College of Sport Medicine; San Francisco, CA, USA. *Medicine & Science in Sport & Exercise*. 2012; 44(5S): 890.

Pozzi F, Gutierrez GM, Moffat M. Biomechanical analysis of toe and heel landings during stepping down in ongoing gait. Platform presentation at the 12th Annual Marilyn Gossman Student Research Seminar, American Physical Therapy Association, Combined Section Meeting, Chicago, IL, USA.

- 2011 **Pozzi F**, Gutierrez GM, Moffat M. Neuromuscular control in subjects with and without ankle instability during performance of a dynamic balance task. Podium presentation at the 23rd Congress of the International Society of Biomechanics (ISB); Brussels, Belgium.

Gutierrez GM, **Pozzi F**, Dundas M. The effect of eversion fatigue on neuromuscular control during curb-walking in individuals with and without ankle instability. Podium presentation at the 23rd Congress of the International Society of Biomechanics (ISB); Brussels, Belgium.

- 2010 **Pozzi F**, Gutierrez GM, Moffat M. Biomechanical analysis of stepping down in continuous gait following ankle evertor fatigue: a pilot study. Poster presentation at the 34th Annual Meeting of the American Society of Biomechanics (ASB); Providence, RI, USA.

Gutierrez GM & **Pozzi F**. Biomechanical analysis of stepping up and down from a step in individuals with ankle instability: a pilot study. Poster presentation at the 2nd Joint ESMAC (European Society of Movement Analysis in Adults and Children) – GCMAS (Gait and clinical Movement Analysis society) Meeting; Miami, FL, USA.

RESEARCH EXPERIENCE

2011 - 2015 **Research Assistant**

Department of Physical Therapy, University of Delaware, DE, USA

Responsibilities: Biomechanical and functional data collection of patients with joints osteoarthritis and/or after total joint arthroplasty; data processing and statistical analysis (Labview, Visual3D, SPSS); Study design and IRB application; Undergraduate students supervision; Scientific writing.

2009 - 2010 **Research Assistant**

Arthur J Nelson Human Performance Laboratory

Department of Physical Therapy, New York University, New York, NY, USA

Responsibilities: Biomechanical and functional data collection of patients with chronic ankle instability; data processing and statistical analysis (Labview, Visual3D, SPSS); study design and IRB application; scientific writing.

2005 - 2006 **Research Assistant**

Laboratorio di Analisi del Movimento

Dipartimento di Fisioterapia, Università Vita-Salute San Raffaele, Milan, Italy

Responsibilities: EMG, including: skin preparation, electrodes placement, EMG signal processing, EMG signal analysis, data analysis, SPSS.

PAST WORK POSITIONS

2010 **Head Coach, Junior Varsity Soccer**

Athletic Department, Collegiate School, New York, NY, USA

Responsibilities: Developing soccer training plans, including: pre-season and performance tests, athletic training and conditioning, soccer skills development, players' development.

2007 - 2008 **Physical Therapist**

Villa Beretta Rehabilitation Hospital, Costa Masnaga, LC, Italy

Neurologic Rehabilitation, Orthopedic Rehabilitation, Research

Responsibilities: Developing rehabilitation plans, including: use of robotic rehabilitation device (Lokomat), functional upper and lower extremity taping, functional electrical stimulation, TENS, and ultrasound.

2007 - 2008 **Physical Therapist**

A.C. Veduggio (soccer team), Veduggio, LC, Italy

Orthopedic Rehabilitation, Athlete Rehabilitation, First Aid

Responsibilities: Developing rehabilitation plans, including functional evaluation, identifying short-term and long-term sport-related goals; assessing of player injuries; return to play decision making; performing pre-season and performance tests; first aid during practice sessions and games.

2007 - 2008 **Physical Therapist (per diem)**

Residenza Sanitaria Assistenziale Garibaldi – Pogliani, Cantù, CO, Italy

Neurologic Rehabilitation, Geriatric Rehabilitation

Responsibilities: Developing home-based rehabilitation plan.

2007 **Physical Therapist (per diem)**

A.l.a.t.h.a., Milano, MI, Italy

Neurologic Rehabilitation, Orthopedic Rehabilitation

Responsibilities: Developing rehabilitation plans, including: performing initial and final functional evaluation, identifying short and long-term rehabilitation goal; measuring initial and outcome with; developing back school program.

AD-HOC REVIEWER

Editorial board membership

Arthritis Care and Research

Grants

National Athletic Trainer Association, Foundation Research Committee
The Netherlands organization for health research and development

Journals

European Journal of Sport Science
Archives of Physiotherapy
Physiotherapy Theory and Practice
The knee
Physical Therapy
Journal of Orthopaedic and Sport Physical Therapy
Physiotherapy
Arthritis Care & Research
Sports Medicine
Journal of Orthopaedic Research
Gait & Posture
Sensors
BMC Musculoskeletal Disorder
Journal of Electromyography and Kinesiology
Human Movement Science
PlosOne
European Journal of Physical and Rehabilitation Medicine
Journal of Sports Rehabilitation

PROFESSIONAL SERVICES

American Physical Therapy Association

- 2019 Section on Research, Biomechanics SIG Nominating Committee
 Abstract reviewer, American Physical Therapy Association, Orthopaedic Section
 Abstract reviewer, American Physical Therapy Association, Section of Research
- 2018 Grant reviewer, Student travel grant, Biomechanics SIG, Section of Research
 Abstract reviewer, American Physical Therapy Association, Orthopaedic Section
 Abstract reviewer, American Physical Therapy Association, Section of Research
- 2017 Grant reviewer, Student travel grant, Biomechanics SIG, Section of Research
 Abstract reviewer, American Physical Therapy Association, Orthopaedic Section
 Abstract reviewer, American Physical Therapy Association, Section of Research
 Content reviewer, American Physical Therapy Association, MoveForwardPT.org
- 2016 Abstract reviewer, American Physical Therapy Association Orthopaedic Section

UNIVERSITY SERVICE

- 2017 **Vice-President**
 Keck Medical Center - Postdoctoral Representative
 Postdoctoral Association
 University of Southern California

Responsibilities: organize professional development events; organize monthly postdoctoral social events.

2015 **Senator**

Graduate Students Senate
University of Delaware, DE, USA

Responsibilities: Representative for the Biomechanics Movement Science (BIOMS) Program in the Graduate Student Senate; Student representative in BIOMS faculty meetings; coordinating BIOMS united seminars.

VOLUNTEER WORK

2002 - 2008 **Emergency Medical Technician**

Croce Bianca, Sezione di Mariano Comense, CO, Italy
CPR certified, emergency rescue certified.

LANGUAGES

Italian native speaker and fluent in English

CERTIFICATIONS

2017	Collaborative Institutional Training Initiative (CITI) Good clinical practice, certification completed HIPAA training, certification completed
2017	Collaborative Institutional Training Initiative (CITI) The Protection of Human Subjects, certification completed
2017	CPR and first aid (USA), certification completed
2009	New York University, University Committee on Activity Involving Human Subjects Human subject certification exam, certification completed
2002	CPR, emergency rescue, and first aid (Italy), certification completed

MEMBERSHIP

2019	American Society of Shoulder and Elbow Therapists , Member #1669
2019	American Physical Therapy Association , Member #471444
2019	Italian Society of Physiotherapy , Member #00547
2019	American Society of Biomechanics , Member #4215

REFERENCES

Available Upon Request