

CURRICULUM VITAE

Raine Osborne, PT, DPT, EdD, FAAOMPT
Brooks Rehabilitation Clinical Research Center and
University of North Florida, Department of Physical
3901 University Blvd. South. Suite 103
Jacksonville, FL 32216
(727) 403-4862

Education:

Institution	University of North Florida
Location	Jacksonville, FL
Duration of study	08/2013 to 07/2019
Field of study	Educational Leadership
Degree	EdD 07/2019
DPT(t)	
Institution	MGH Institute of Health Professions
Location	Boston, MA
Duration of study	08/2011 to 12/2012
Field of study	Physical Therapy
Degree	DPT(t) 12/2012
Institution	Brooks Institute of Higher Learning
Location	Jacksonville, FL
Duration of study	05/2010 to 06/2011
Field of study	Orthopaedic Manual Physical Therapy
Degree	Fellowship 06/2011
Institution	Brooks Institute of Higher Learning
Location	Jacksonville, FL
Duration of study	01/2008 to 12/2008
Field of study	Orthopaedic Physical Therapy
Degree	Residency 12/2008
Institution	University of South Florida
Location	Tampa, FL
Duration of study	08/2002 to 05/2004
Field of study	Physical Therapy
Degree	MSPT 05/2004
Institution	Appalachian State University
Location	Boone, NC
Duration of study	08/1996 to 05/2000
Field of study	Health Promotion
Degree	B.S. 05/2000

Licensure Information/Registration Number:

Physical Therapist, Florida, PT21733

Certifications (eg. ABPTS):

2019 - Board-Certified Orthopaedic Clinical Specialist (emeritus)
2011 - Fellow, American Academy of Orthopaedic Manual Physical Therapist
2009 - Board-Certified Orthopaedic Clinical Specialist

Employment and Positions Held:

Visiting Instructor
Department of Physical Therapy, University of North Florida
Jacksonville, FL
August 2021 to present

Director of Research
Brooks Rehabilitation Clinical Research Center
Jacksonville, FL
May 2017 to present

Faculty
Brooks Institute of Higher Learning Residency and Fellowship Program
Jacksonville, FL
October 2015 to present

Adjunct Instructor
Doctor of Physical Therapy Program, University of North Florida
Jacksonville, FL
August 2015 to May 2021

Research Manager
Brooks Rehabilitation Clinical Research Center
Jacksonville, FL
October 2015 to May 2017

Program Coordinator
Brooks Institute of Higher Learning Orthopaedic Residency Program
Jacksonville, FL
June 2010 to October 2015

Staff Physical Therapist
Brooks Rehabilitation
Hudson, FL
April 2007 to June 2010

PRN Physical Therapist
St. Petersburg General Hospital
St. Petersburg, FL
August 2004 to April 2007

Staff Physical Therapist
Florida Spine Institute
Clearwater, FL
December 2004 to April 2007

Staff Physical Therapist
Back to Work Physical Therapy
Tampa, FL
August 2004 to December 2004

Peer Reviewed Publications:

Osborne R, Bailey C, Bourassa A, Bourassa M, Dinsmore D. Student physical therapists' orientation to post-professional education and perceptions of strain: Identification of 4 subgroups of students based on a cluster analysis. *Journal of Physical Therapy Education*. (Under Review)

Hicks-Roof K, **Osborne R**, McInnes D, Iyengar B, Quartano J, Osborne J, Harrison T, Sealey-Potts C. Interprofessional education series (IPES): A virtual program evaluation of post-professional healthcare learners. *Journal of Interprofessional Care*. (in submission)

Beneciuk JM, Osborne R, Hagist MB, Crittenden J, Buzzanca K, Gao H, Wu SS. American Physical Therapy Association clinical practice guideline implementation for neck and low back pain in outpatient physical therapy: A nonrandomized, cross-sectional stepped-wedge pilot study. *Journal of Orthopaedic & Sports Physical Therapy*. 2022;52(2):113:123.
<https://www.jospt.org/doi/10.2519/jospt.2022.10545>

Avin KG, Nithman RW, **Osborne R**, Betz SR, Lindsey C, Hartley GW. Essential components of physical therapist management of patients with osteoporosis: a Delphi study. *Journal of Geriatric Physical Therapy*. 2022;45(2):pE120-E126. doi: 10.1519/JPT.0000000000000347

Sebkhi N, Bhavsar A, Sahadat, MN, Baldwin J, Walling E, Biniker A, Hoefnagel M, Tonuzi G, **Osborne R**, Anderson D, Inan O. Evaluation of a head-tongue controller for power wheelchair driving by people with quadriplegia. *IEEE Transactions on Biomedical Engineering*. 2022. 69(4):1302-1309. DOI. 10.1109/TBME.2021.3113291

Bigham A, Schoen S, Manes M, **Osborne R**. Dynamic Back Extension Muscle Performance Test: Normative Data and Factors Influencing Test Performance. *International Journal of Physiotherapy Research*. 2021;5(8):8039

Sebkhi N, Sahadat Md N, Bhavsar A, Walling E, Hoefnagel M, Fulcher C, Kong F, Tonuzi G, **Osborne R**, Ghovanloo M, Anderson D. Evaluation of multimodal tongue drive system by people with tetraplegia for computer access. 2021. *TechRxiv*. Preprint. <https://doi.org/10.36227/techrxiv.14388113.v1>

Hicks-Roof K, Xu J, Zeglin RJ, Bailey CE, Hamadi HY, **Osborne R**. COVID-19 impacts on Florida's healthcare professionals. *Hospital Topics*. (Published online 24 May 2021)

Hartley GW, Rapport MJ, **Osborne R**, Briggs MS, Jensen G. Residency education: Is it now or never? *Physical Therapy*. 2021;101(4):pzaa225.
<https://doi.org/10.1093/ptj/pzaa225>

Osborne R, Rullan K, Dinsmore D. Healthcare worker engagement in the United States: A scoping review of the literature. *Physical Therapy Journal of Policy, Administration and Leadership*. 2020;20(4):5-25

Beneciuk JM, Verstandig D, Taylor C, Scott D, Levin J, **Osborne R**, Bialosky J, Lentz T, Buck T, Davis A, Harder C, Beneciuk M, Wittmer V, Sylvester J, Rowe R, McInnes D, Fisher TP, McGarrie. Musculoskeletal pain stakeholder engagement and partnership development: Determining patient-centered research priorities. *Research Involvement and Engagement*. 2020;6:28. DOI:19.1186/s40900-020-00192-8

Osborne R, Janson C, Black L, Jensen G. M. Motivations to pursue physical therapy residency training: A Q-methodology study of stakeholder perspectives. *Physical Therapy*. 2020;100(1):57-72. DOI:10.1093/ptj/pzz142

Langer L, **Osborne R**, Rowe R, Beneciuk J. Laser testing for upper extremity proprioceptive deficits following rotator cuff injury: Two case reports. *Physiotherapy Theory and Practice*. 2020;36(12):1493-1501. DOI:10.1080/09593985.2019.1571141

Osborne R, Hartley G. Professional engagement: A consensus definition and key indicator behaviors for physical therapists. *Physical Therapy Journal of Policy, Administration, and Leadership*. 2019;19(2):5-12

Massey BJ, **Osborne R**, Beneciuk J. Recognition and management of BPPV for an elderly female patient referred for low back pain: A resident's case study. *Physiotherapy Theory and Practice* 2014 Aug;30(6):444-51

Salvatori R, Rowe RH, **Osborne R**, Beneciuk JM. Use of thoracic spine thrust manipulation for neck pain and headache in a patient following multiple-level anterior cervical discectomy and fusion: A case report. *Journal of Orthopaedic and Sports Physical Therapy*. 2014 Jun;44(6):440-9.

Peer Reviewed Scientific and Professional Presentations:

Zhang L, Howald H, **Osborne R**, Jensen G, Black L, Rapport MJ, Hartley G, Tichenor CJ, Kraft SV, Briggs MS. Outcomes of residency and fellowship education in the rehabilitation professions: A scoping review. Poster presentation at APTA Combined Sections Meeting - 2022

Osborne R, Hicks-Roof KK. Virtual post-graduate interprofessional education series: Teaching collaboration in the 21st century. Platform presentation at APTE Education Leadership Conference - 2021

Osborne R, Hicks-Roof KK. Effects of a virtual interprofessional education intervention on health professions learners enrolled in post-graduate education programs. Virtual poster presentation at ACRM Annual Conference – 2021

R Segal, GM Jensen, SB Chesbro, KA Bell, CA Sebelski, **R Osborne**, S Jernigan. Blazing the trail: Developing the next generation of education researchers. Live virtual session at APTA Combine Sections Meeting – 2021

Hicks-Roof KK, **Osborne R**. A baseline perspective from different healthcare

professional residents of interprofessional collaboration. Platform presentation at Food & Nutrition Conference & Expo – 2020

Osborne R. Interprofessional residency education: A pilot program with physical therapy and family medicine residents. Breakout session at Innovations in Primary Care Conference – 2020

Osborne R. Bourassa MD, Lundy K, Ambler SB. Does student debt influence physical therapy students' decision to pursue residency education? APTA NEXT Conference & Exposition - 2020

R Osborne, GM Jensen, MS Briggs, SB Chesbro, R Rowe, M Spigel. Exploring the value of residency/fellowship education: Stakeholders' views on why residency/fellowship education matters. Education session at APTA Combined Sections Meeting – 2020

Beneciuk JM, Buzzanca K, Crittenden J, Hagist B, **Osborne R.** Implementation of clinical practice guidelines for neck and low back pain in outpatient physical therapy: Impact on clinician behaviors and perspectives. Poster presentation at CoHSTAR 2020 Virtual Implementation Science Institute – 2020

Osborne R, McInnes D. Interprofessional residency education: A pilot program with physical therapy and family medicine residents. Platform presentation at APTA Education Leadership Conference – 2018

Hartley GW, Olson-Kellogg B, Brewer K, **Osborne R,** Tichenor CJ, Briggs M, Osborne J, Robinson R, Shirley K. The silver tsunami: Meeting the growing rehab challenges of older adults. Education session at APTA Combined Sections Meeting - 2018

Osborne R, Janson C. Motivations for pursuing residency training: Are program directors, faculty, and residents on the same page? Platform presentation at APTA Combined Sections Meeting – 2018

Bertrand-Brennan S, **Osborne R,** Bialosky J. Collaborative approach in the development and utilization of a patient-centered post-operative Achilles tendon protocol: A case report. Poster presentation at AAOMPT Annual Conference – 2017

Osborne R, Dinsmore D, Pascale A. Development of a tool to predict the likelihood of pursuing residency training among doctor of physical therapy students. Platform presentation at APTE Education Leadership Conference – 2016

Osborne R, Dinsmore D. Outcome assessment methods for interprofessional education involving medical and physical therapy participants: A systematic review. Paper presented at the AERA Annual Conference – 2016

Langer L, **Osborne R.** Use of elastic tape to affect proprioception in a patient with cervicogenic dizziness: A case report. Poster presentation at AAOMPT Annual Conference – 2016

Banker J, **Osborne R.** Implementing a PT/PTA team model in an outpatient clinic: Lessons learned. Education session at APTA Combined Sections - 2016

Buck T, **Osborne R**, Beneciuk J, Rowe R. The use of force plate weight distribution measurements in determining appropriate heel-lift height for correction of a leg-length discrepancy: A resident's case report of immediate and short-term outcomes. Poster presentation at APTA Combined Sections Meeting – 2016

Bertrand S, **Osborne R**, Acevedo J. Accelerated rehabilitation of bilateral Achilles repairs secured with a midsubstance SpeedBridge: A Case Report. Poster presentation at IFOMPT Conference – 2016

Fitzgerald L, **Osborne R**, Beneciuk JM, Rowe RH. Use of laser proprioception testing and training for rotator cuff tendinopathy. Poster presentation at APTA Combined Sections Meeting – 2016

Dellwo T, **Osborne R**, Beneciuk J. Knee laser. Poster presentation at AAOMPT Annual Conference – 2015

Malaman N, **Osborne R**, Beneciuk J. Integration of eccentrics and motor control exercises in the management of chronic lateral epicondylopathy. Poster presentation at APTA Combined Sections Meeting – 2015

Beneciuk JM, Lentz T, Wu S, Bialosky J, Zeppieri G, **Osborne R**, Rowe R, Dai Y, Pei Q, George S. Development of a yellow flag screening tool for orthopaedic physical therapy settings: results from the Optimal Screening for Prediction of Referral and Outcome (OSPRO) cohort. Poster presentation at APTA Combined Sections Meeting – 2015

Osborne R, Smith AR, Rowe RH. Use of the ICF model as a clinical reasoning framework for examination, evaluation, and treatment planning in multi-trauma patients. Poster presentation at APTA Annual Conference – 2012

Osborne R, Smith AR, Rowe RH. Multimodal treatment approach in a patient with chronic lateral elbow pain. Poster presentation at AAOMPT Annual Conference – 2010

Osborne R, Smith AR, Rowe RH. Application of the ICF model in the rehabilitation of patients following reverse total shoulder arthroplasty: A case series. Poster presentation at APTA Annual Conference – 2009

Abstracts:

Osborne R, Hicks-Roof K, McInnes D, Osborne J. Effects of a virtual interprofessional education intervention on health professions learners enrolled in post-graduate education programs. *Archives of Physical Medicine and Rehabilitation*. 2021;102(10):e53. <https://doi.org/10.1016/j.apmr.2021.07.623>

Hicks-Roof K, **Osborne R**, McInnes I, Bush S, Osborne J, Harrison T, Braun M, Quartano J. Post-graduate Interprofessional Series (IPES): Insights from Dietetics Interns. *Journal of the Academy of Nutrition and Dietetics*. 2021;121(9): Supplement A59. <https://doi.org/10.1016/j.jand.2021.06.173>

Fitzgerald L, Beneciuk J, **Osborne R**. Use of laser proprioception testing and training for rotator cuff tendinopathy: A case report. *Journal of Orthopaedic & Sports Physical Therapy*. 2016;46(1):OPO61

Buck T, **Osborne R**, Beneciuk J, Rowe R. The use of force plate weight distribution measurements in determining appropriate heel-lift height for correction of a leg-length discrepancy: A resident's case report of immediate and short-term

outcomes. *Journal of Orthopaedic & Sports Physical Therapy*. 2016;46(1):OPO26

Malaman F, **Osborne R**, Beneciuk J. Differential diagnosis and management of a patient with whiplash-associated disorder presenting with cervicogenic dizziness. *Journal of Orthopaedic & Sports Physical Therapy*. 2016;46(1):OPO122

Buck T, **Osborne R**, Beneciuk J, Rowe B. Addressing scapular dyskinesis to affect both subacromial impingement syndrome and cervical radiculopathy. *Journal of Orthopaedic & Sports Physical Therapy*. 2016;46(1):OPO27

George S, Wu S, Bialosky J, Zeppieri G, Lentz T, **Osborne R**, Rowe R, Dai Y, Pei J, Beneciuk J. A red flag screening tool for orthopaedic physical therapy settings: Results from the Optimal Screening for Prediction of Referral and Outcome (OSPRO) cohort. *Journal of Orthopaedic & Sports Physical Therapy*. 2015;45(1):OPL1

Beneciuk J, Lentz T, Wu S, Bialosky J, Zeppieri G, **Osborne R**, Rowe R, Dai Y, Pei Q, George S. Development of a yellow flag screening tool for orthopaedic physical therapy settings: Results from the Optimal Screening for Prediction of Referral and Outcome (OSPRO) cohort2. *Journal of Orthopaedic & Sports Physical Therapy*. 2015;45(1):OPO1135

Malaman F, **Osborne R**, Beneciuk J. Integration of eccentrics and motor control exercises in the management of chronic lateral epicondylopathy. *Journal of Orthopaedic & Sports Physical Therapy*. 2015;45(1):OPO1095

Bourassa M, Rowe R, **Osborne R**, Beneciuk J. Physical therapy diagnosis and management of a patient with thoracolumbar joint syndrome. *Journal of Orthopaedic & Sports Physical Therapy*. 2015;45(1):OPO1113

Samuel A, **Osborne R**, Beneciuk J. Incorporation of balance assessment and training in the management of an adolescent softball player with ulnar collateral ligament sprain. *Journal of Orthopaedic & Sports Physical Therapy*. 2015;45(1):OPO1123

Bourassa M, Beneciuk J, **Osborne R**. The primary use of a home exercise program in the management of a patient with peripheral nerve injury following cervical lipoma removal: A case study. *Journal of Orthopaedic & Sports Physical Therapy*. 2014;44(1):OPO2246

Leschitz J, Beneciuk J, **Osborne R**, Rowe R. Upper extremity polyneuropathy in a patient with a history of cervical hyperextension injury, cubital, and carpal tunnel release: A case study. *Journal of Orthopaedic & Sports Physical Therapy*. 2013;43(1):OPO2202

Salvatori R, Beneciuk J, Smith R, Rowe B, **Osborne R**. A combination of findings from 2 clinical prediction rules in the treatment of a patient with low back pain: A case report. *Journal of Orthopaedic & Sports Physical Therapy*. 2012;42(1):OPO2310

Non-Peer Reviewed Publications:

Osborne R. Principles of Measurement in Documentation. In Osborne J. Documentation for Physical Therapist Practice: A Clinical Decision Making Approach. Jones & Bartlett Learning, 2016

Osborne R. Medial Collateral Ligament Sprain, Knee. In Shamus E. Color Atlas of Physical Therapy. McGraw-Hill, NY, New York, in publication, 2014.

Osborne R. Lateral Collateral Ligament Sprain, Knee. In Shamus E. Color Atlas of Physical Therapy. McGraw-Hill, NY, New York, 2014.

Non-Peer Reviewed Presentations:

Osborne R. Getting Engaged: A Story of Loving what You Do. Keynote session at Indiana State University Doctor of Physical Therapy Program Research Symposium – 2019

Osborne R. It's the How that Matters. Commencement address at Concorde Career Institute - 2013

Osborne R. Physical Therapist Role in the Management of Low Back Pain. Invited lecture at the Shand's Hospital Jacksonville Internal Medicine Residency Program – 2013

Osborne R. Professional Development at the FPTA/APTA. Invited speaker at the University of Florida Dept. of Physical Therapy – 2012

Current/Active Research Activity:

Title: Measuring expert concordance in clinical reasoning using Q-methodology.

Role: Principal Investigator

Description: The purpose of this study is to evaluate the utility of a clinical reasoning assessment tool based on Q-methodology in measuring the degree of concordance among clinical experts when performing clinical reasoning tasks.

Funding: Institutional funding – Brooks Rehabilitation

Title: Examining perspective on important residency program goals: A Q methodology Study.

Role: Co- Principal Investigator

Description: Physical therapy residency programs must submit program goals to the American Board of Physical Therapy Residency and Fellowship Education (ABPTRFE), the accrediting body. There are currently no standards and limited guidance as to the goals that are most important for achieving excellence and success in residency education. The primary objective of this study is to identify commonly held perspectives on which goals physical therapy residency educators think are most important for achieving excellence and success in physical therapy residency education.

Funding: Non-funded research

Title: Defining excellence in residency education: The next step in demonstrating value.

Role: Co-Principal Investigator

Description: This study builds on the work by Jensen et al. by using the model of excellence in physical therapy education to perform a multi-site, multi-specialty examination of current practices and perceived value in physical therapy residency education. Results from the proposed study will serve as a foundation for future research aimed at measuring the value of residency education and informing best practices that result in consistent and optimal outcomes.

Funding: Academy of Physical Therapy Education - \$15,990

Title: Virtual Interprofessional (VIP) consultation experience: Exploration of benefits and barriers for patients and providers.

Role: Co-Investigator

Description: Our proposal aims to establish a virtual interprofessional (VIP) consultation clinic wherein learners from a variety of health professions can collaborate on actual patient cases using telehealth. A unique feature of this IPE experience is the inclusion of learners who are currently practicing as licensed healthcare providers (i.e., residents/fellows from PT, OT, and family medicine) as opposed to only pre-licensure learners, which is more common among IPE studies.

Funding: University of North Florida Brooks Professorship Grant - \$44,836

Title: Promoting Innovation and Excellence in Rehabilitation (PIER) study 2.

Role: Principal Investigator

Description: This multi-site, cross-sectional survey study aims to evaluate the roles of professional and organizational engagement in mediating the relations between select personal and environmental characteristics on rehabilitation professionals' career satisfaction and intention to stay with one's current organization.

Funding: Non-funded research

Title: Evaluation of the automated rehabilitation system exercise supervision system on rehabilitation feedback and efficacy on rehabilitation patients.

Role: Principal Investigator

Description: This study will further investigate and improve the usability and efficiency of the Automated Rehabilitation System (ARS), a device that utilizes light-weight; body-worn smart sensors to perform accurate motion tracking and repetition counting during exercise performance while providing patients and their therapists with real-time visual feedback.

Funding: Direct cost funded through Cardon Rehabilitation

Membership in Scientific/Professional Organizations:

American Physical Therapy Association 2004 – Present

Florida Physical Therapy Association (2004 – present)

Research Committee (2019 – present – Chair 2021-present)

Nominating Committee – FPTA (2015-2017 – Chair 2016-2017)

Delegate to House of Delegates (2011-2014 & 2017-present)

Board of Directors – Director of Practice (2011-2014)

Nominating Committee – Norther District 2011-2013

Assembly of Representatives – Northern District (2010-2019)

CEO Search Committee (2010)

Governmental Advocacy Committee (2009-2015)

Vice-Chair – West Central District (2009-2010)

Assembly of representative – West Central District (2008-2010)

Academy of Orthopaedic Manual Physical Therapist (2007 – present)

Practice Affairs Committee (2013-2017 – Chair 2015-2017)

Academy of Physical Therapy Education (2015 – present)

Research Committee – Residency & Fellowship Education SIG (chair 2020 – present)

Residency & Fellowship Research Collaborative – Workgroup of the Residency & Fellowship Education SIG (co-chair 2018 – present)

Honors and Awards:

Thomas Mulkeen Dissertation Award

Annual award given by the University of North Florida College of Education and Human Services, Department of Leadership, School Counseling, and Sport Leadership for the doctoral dissertation that best exemplifies practice-centered inquiry. April 2020

Current Teaching Responsibilities in the Entry-Level Program:

1st Year DPT

Fall: Clinical Skills

Spring: Examination & Intervention

2nd Year DPT

Fall:

Spring:

Orthopaedics I – Extremities

Orthopaedics II - Spine