**KEVIN LYLE BROWNE, PT, ScD, OCS, COMT**

**University of Texas at El Paso**

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**EDUCATION**

**ScD**., Physical Therapy (May 2015)

Texas Tech University - Lubbock, Texas

**MSc.,** Physical Therapy, (May, 1992)

Andrews University- Berrien Springs, Michigan

Cum Laude, Faculty Phi Kappa Phi Honors Society Nominee

**BS.,** Concentration Anatomy and Physiology (May, 1991)

Andrews University- Berrien Springs, Michigan

**PROFESSIONAL AND POTENTIAL RESEARCH INTERESTS**

Interdisciplinary Education and Relational Coordination; Clinical Pathways, Comparative Effectiveness and Cost Containment in Musculoskeletal Medicine; Musculoskeletal Clinical Differential Diagnosis; Manual Therapy and Kinesiology; Soft Tissue Overuse

**EXPERIENCE**

**University of Texas at El Paso, El Paso, TX** (August 2016-Current)

*Assistant Professor, Doctor of Physical Therapy Program*

**Kazan State Medical University, Tatarstan, Russia** (2018-2019 Academic Year)

*Visiting Professor, Algarysh Grant, Tatarstan Ministry of Health, Musculoskeletal Project*

**Texas Tech University Health Sciences Center, Lubbock, TX** (Sept 2014-May 2016)

*Assistant Professor, School of Nursing, TTUHSC*

**Texas Tech University Health Sciences Center, Lubbock, TX** (June 2013-May 2015)

*Recurrent Faculty, Doctor of Physical Therapy Program, TTUHSC*

**University Medical Center, County Hospital, Lubbock, TX** (March 2013-July 2016)

*Staff Physical Therapist:*Inpatient Acute Care, Outpatient and Collaborative Research

**Harvard Vanguard Medical Associates, Watertown, MA** (Oct 2009 - March 2103)

*Staff Physical Therapist*

Service: Program and Department Development, Staff Education, Clinical Instructor

Expertise: Spinal rehabilitation, shoulder dysfunction, differential diagnosis

**Richard Bader Physical Therapy, Private Practice, Norway, ME** (May 2009-Sept 2009)

***Temporary Contract Physical Therapist***

**The Back Center, Private Practice,** **Brunswick, ME** (Dec 2003 - Aug 2007)

***President and Founder***

Established and ran an outpatient orthopedic physical therapy clinic

Education through physician and community newsletters, wellness personnel coaching

Expertise: Spinal and extremity rehabilitation, adult and adolescent orthopedics

**HealthSouth Corporation: Kansas City and Brunswick, ME** (Mar 1997-Jul 2003)

***Staff Physical Therapist***

Staff in-house professional education on manual therapy, differential diagnosis

Expertise: Spinal dysfunction and rehabilitation, work reconditioning, sports medicine and general orthopedics including cumulative trauma and post-surgical

**Professional Rehab Services, Private Practice, Kansas City** (Nov 1995-Feb 1997)

***Staff Physical Therapist***

Rural outpatient clinic, prison and mental health facilities

Experience: Sports medicine and general orthopedics including cumulative trauma and post-surgical. Delegation of treatment plan to facility PT assistants with weekly follow-ups.

**Canon Valley Physical Therapy, Private Practice, Faribault, MN** (Jul 1994-Jul 1995)

***Staff Physical Therapist***

Inpatient Physical Therapy Delivered in a Rural Acute Care Hospital

Experience: Rural hospital patient care, skilled nursing PRN

**Owatonna Hospital, Community Hospital, Owatonna, MN** (Oct 1992-Jun 1994)

***Staff Physical Therapist***

Inpatient and Outpatient Rehabilitative Services. Care Delivery in Rural Acute Setting

Experience: Work place screening, functional capacity evaluation, patient care

**OTHER RELEVANT EXPERIENCE**

**Top English School of Today, Chisinau, Moldova** (Sept 2007–Apr 2009)

***English Language Teacher***

Developed courses and taught Proficiency and Advanced English to adults and teens Business English course for corporate executives

Mentored high school and university students on their personal and professional growth

**PROFESSIONAL AFFILIATIONS**

Membership: American Physical Therapy Association, Orthopedics Section

**SERVICE**

**University Service**

**UTEP and The College of Health Sciences**

Spring 2018 to Current: Committee Member: Research and Curriculum, DPT UTEP Program

Spring 2017: Faculty Mentor, I-Corps NSF Exploratory Product Development

Oct 2016 – Current Member: Interdisciplinary Ph.D. Dissertation Committee

Fall 2018 to Current: Member, Faculty Search Committee (Dept of Rehab Sci)

Fall 2019 to Current: Member, UTEP Faculty Senate

**UTEP Doctor of Physical Therapy Program:**

Oct - Dec, 2106 Member, Faculty Search Committee (DCE, Clinical Asst. Prof)

2017: Development of Supplemental Kinesiology Video Tutorials: UTEP DPT Program

Fall 2017 –Current Curriculum & Research Committees, UTEP DPT Program

**Service to the Profession**

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| **Orthopedic Assessment & Treatment of the Hip with Cadaveric Lab**  Sponsored by UTEP DPT Program: Proceeds: DPT Program Staff Development  November 10, 2018, El Paso, Texas. Continuing Competency Units PT, State of Texas  **Rotator Cuff Related Shoulder Pain Evaluation & Treatment w Cadaveric Lab**  Sponsored by UTEP DPT Program: Proceeds: DPT Program Staff Development  November 4, 2017, El Paso, Texas. Continuing Competency Units PT, State of Texas |

**Education Coordinator, Greater El Paso Physical Therapy District**

Spring 2018 to Current

**TEACHING**

**University of Texas at El Paso, Doctor of Physical Therapy Program**

Fall 2016: Exercise Physiology and Therapeutic Exercise Prescription

Spring 2017 to Current: Medical Kinesiology and Motion Analysis

Fall 2017 to Current: Clinical Exercise Physiology

Spring 2018 to Current: Therapeutic Exercise Prescription

**University of Texas at El Paso, Department of Public Health**

Fall 2016: Guest Lecturer, Selected Topics-Public Health

Graduate: Musculoskeletal Care: Cooperation and Coordination

Undergraduate: Overview of Musculoskeletal Care

**Visiting Professor, Kazan State Medical University, Tatarstan, Russia**

Academic year 2018-2019: Algarysh Teaching Grant, Ministry of Health

Fall: Principles of Musculoskeletal Assessment and Triage

Winter: Assessment and Management of Upper Quarter Musculoskeletal Disorders

Spring: Assessment and Management of Lower Quarter Musculoskeletal Disorders

**Texas Tech University Health Sciences Center, DPT Program Lab Instructor**

Summer 2013: Clinical Anatomy and Clinical Reasoning II

Fall 2013 and 2014: Systems Screening

Spring 2014 and 2015: Therapeutic Modalities

Summer 2014: Clinical Reasoning II

**TTUHSC School of Nursing Graduate Department: Guest Lecturer**

Nurse Practitioner Program Musculoskeletal Pediatric Contact Session: Spring 2014

Nurse Practitioner Adult Assessment Musculoskeletal Contact Session: Summer 2014

Musculoskeletal Content, Video Production for Nurse Practitioner Program: Current Use

**Lubbock Christian University Department of Nursing: Guest Lecturer**

Family Nurse Practitioner: Musculoskeletal Lab: Knee & Lumbar Spine: Spring 2015

Family Nurse Practitioner: Musculoskeletal Principles and Assessment: Spring 2016

**ADDRESSES AND PRESENTATIONS**

**Educational Leadership Conference. Bellevue, WA. October 2019**

Boyea B (Author & Presenter), Browne K (Author). *The UTEP Doctor of Physical Therapy Program Clinical Reasoning Framework; Development and Implementation.* Poster

**TTUHSC SHP Endowed Lecture Series, TTUHSC, Lubbock, Tx.** **(September 13, 2018)** Seminar, Academic, Local, peer-reviewed/refereed. Seeber, Gesiene (Presenter & Author), Kevin L., Browne (Author Only), *The constraining effect of the lateral femoral intermuscular septum on passive hip adduction in un-embalmed cadavers.* Oral Presentation.

**The 30th Annual Occupational Ergonomics and Safety Conference. Pittsburg, PA, June 7-8, 2018.** Conference, Non-Academic, National, peer-reviewed/refereed, Accepted. Conde, Daniel (Presenter Only), Moore, Jacen (Author Only), Browne, Kevin L. (Author Only), Ibarra, Gabe (Author Only), *Association between heart rate variability and perceived physical exertion.* Oral Presentation

**32nd International Congress on Occupational Health (ICOH)., Dublin, Ireland, April 29–May 5, 2018.** Conference, Non-Academic, International, peer-reviewed/refereed. Daniel, Conde (Presenter & Author), Ibarra-Mejia, Gabriel (Author Only), Moore, Jacen S. (Author Only), Browne, Kevin L. (Author Only, *Identification of inflammatory biomarkers for the early detection of tendonitis during repetitive manual assembly tasks.* Poster.

**Health-Focused Interdisciplinary Research Spotlight Event. UTEP, El Paso, TX, April 25, 2018**. Session, Academic, Local.Daniel, Conde (Presenter & Author), Ibarra-Mejia, Gabriel (Author Only), Moore, Jacen S. (Author Only), Browne, Kevin L. (Author Only), *Early identification of inflammatory biomarkers and its relationship to physiological and perceived exertion parameters after a simulated repetitive manual task.* Poster

**Invited Guest Speaker, Kazan State Medical University, October 2017**

*Medical Kinesiology and Exercise Prescription for Symptomatic Lumbar Disc Disease: Reflections on the Role and Education of Physical Therapists in the US*

*Principles of Assessment and Management of Musculoskeletal Pain Disorders: From Patient Education to the Operating Theatre*

**TTUHS Student Research Week: Poster Presentations: Spring 2015**

**Presenter and Second Place Prize Winner:** *The Tensile Properties of the Iliotibial Band: An Unembalmed Cadaveric Investigation*

**South Central Regional Chapter of the American Society of Biomechanics Annual Meeting. Ft Worth, TX: March 2015**

**Collaborator:** *“The relationship between measures of foot mobility and subtalar joint stiffness using vibration energy with color Doppler imaging”*

**TTUHSC Graduate School of Nursing: APRN Faculty Engagement Day: Spring 2015**

*“Integrating Musculoskeletal Content into the APRN Curriculum”*

**Texas Nurse Practitioner Association Annual Meeting: September 2014**

*“Essentials of Musculoskeletal Assessment and Triage”*

**ScD Teaching Project: June 2014**

Accredited Continuing Education Course: American Association of Nurse Practitioners

*“Management of Upper Extremity Pain Disorders for Primary Care Practitioners”*

**TTUHS Student Research Week: Poster Presentations: Spring 2014**

***Presenter***: *Iliotibial Band Deformation Under Simulated Clinical Physiological Tension Load. A Cadaveric Investigation*

***Collaborator***: *Color Doppler Imaging for the Assessment of Subtalar Joint Laxity: A Study on Human Cadaveric Subtalar Joints:*

**Non-Academic Presentations: 2001-2012**

**Harvard Vanguard Medical Associates: Watertown, MA**

Committee member for Acute Low Back Pain Initiative IM collaboration, PT Clinical Ladder

Physical Therapy Staff Education: Manual Exam & Treatment of the Ribs, and Tennis Elbow

Physical Therapy Primer, Professional Issues: HVMA Medical Resident Education

Practice Management Proposal for Primary Care Staff: Practical Musculoskeletal Triage

Pathoanatomy and Pathophysiology of the Lumbar Spine: Referral considerations for

Nurse Practitioners & MDs in Internal Medicine and Pediatrics, Watertown

**The Back Center:**

The Lumbar Spine Stability Patient: Pilates Staff Education, Class Development

Musculoskeletal Imbalances and Women’s Weight Training: Fitness Studio Staff Training

Exercise and Aging in Lower Back Pain for Women: Fitness Studio Member Training

Explaining Pain, Management Principles: Hospital Based Chronic Pain Support Group

Bowdoin College Education and Wellness Fair: Invited Participant

Physician Newsletter, Clinical Pearls: Principles of Musculoskeletal Management

**HealthSouth Corporation:**

Evaluation and Treatment of the Sacroiliac Complex: Multi-location staff presentation

**RESEARCH**

**Published Manuscript:**

Browne K, Merrill E. Musculoskeletal management matters. Principles of assessment and triage for the nurse practitioner*. JNP*. 2015; 11(10):929-939.

Browne K, Hilliard T, Diersing D. Assessment and management of walking program patients with musculoskeletal conditions. Journal for Nurse Practitioners. 2017;13(1):26-33.

Kublawi M, Hooper TL, Nagar VR, et al. The effect of distractive function on volitional preemptive abdominal contraction during a loaded forward reach in normal subjects. *PMR*, 2016; 4; S1934-1482.

Hooper T, James CR, Brismée JM, et al. Dynamic balance as measured by the Y-Balance Test is reduced in individuals with low back pain: A cross-sectional comparative study. *Phys Ther Sport*. 2016; 22(11):29-34.

Wilhelm M, Matthijs O, Browne K, et al. Deformation response of the iliotibial band-tensor fascia latae complex to longitudinal tension loading in vitro*. Int J Sports Phys Ther.* 2017;12(1):16-24.

Munster, M. M., Brismee, J.-M., Sizer, P. S., Browne, K. L., Dewan, B., Litke, A., Pape, J. L., Sobczak, S. (2019). Can 5 minutes of repetitive prone press-ups and sustained prone press-ups following a period of spinal loading reverse spinal shrinkage? *Physiotherapy Theory and Practice,* 35(3), 259-267. https://www.ncbi.nlm.nih.gov/pubmed/29469602 Published ahead of print in Feb, 2018. Scheduled for print in 2019

Pape, J. L., Brismee, J.-M., Sizer, P. S., Matthijs, O. C., Browne, K. L., Dewan, B. M., Sobczak, S. (2018). Increased spinal height using propped slouched sitting postures: Innovative ways to rehydrate intervertebral discs. *Applied Ergonomics, 66*, 9-17.

Munster NM, Birsmée JM, SIzer PS, et al. Can 5 minutes of repetitive prone press-ups and sustained prone press-ups following a period of spinal loading reverse spinal shrinkage? *Physiother Theory Pract*. 2019, 35(3):259-267.

Abstract: Pape J, Brismée JM, Sizer PS, Matthijs O, Browne K, Dewan B, Sobczak S. Increased Spinal Height Using Propped Slouched Sitting Postures: Innovative Ways To Rehydrate Intervertebral Discs. *Manual Therap*y. 2016;25:e160-161; Electronic Publication [http://www.manualtherapyjournal.com/article/S1356-689X(16)30345-9/fulltext](https://mail.ttuhsc.edu/owa/redir.aspx?C=MkhvnvlTAU5mGSGATPBeEvyUu-OlPnzqlvoSelKMVzdjfeKER9vTCA..&URL=http%3a%2f%2fwww.manualtherapyjournal.com%2farticle%2fS1356-689X%2816%2930345-9%2ffulltext" \t "_blank)

**Funded Grant Activity:**

Browne K, Boyea B “Can self-report inventories and clinical testing differentiate pathophysiological characteristics of clinical plantar fasciitis?” The University of Texas at El Paso: University Research Institute (URI). Submitted November 2019, Funded January 2020, $5,000

Browne, Kevin L. (2018/19), *"Medical rehabilitation for musculoskeletal diseases."* None: International Granting Agency, Republic of Tatarstan, Russian Federation and Kazan State Medical University none, N/A. Funded, $11,000.00 proposed, $11,000.00 awarded, proposed January 2018. (October 2018 - May 2019)

Ibara-Mejia G, Conde D, Browne K, Maier-Moore J. “Exploring molecular changes and inflammatory cytokinen” for the Southwest Center for Occupational and Environmental Health (SWCOEH) 2018-2019 Pilot/Small Projects Research Training (PPRT) Program: Funded $10,000

**Manuscripts in Progress:**

Browne K. *Will a hip augmented stair-climbing strategy change kinematic and biomechanic parameters in asymptomatic young persons?* DPT Program 2020. Capstone Research: Advisee

Boyea B, Browne K*. The UTEP Doctor of Physical Therapy Program Clinical Reasoning Framework; Development and Implementation.*

Browne K. *Examination and Triage For Patients With Hip and Knee Osteoarthritis.* Submitted December 2018, Accepted January 2019. Currently being revised. Journal for Nurse Practitioners.

Browne K. *Primary Care Physician Management of Acute Lower Back Pain.*

Browne K, Hooper T, Allen B, Brismée JM, Merrill E, Sizer PS. *Assessment of elbow pain and dysfunction.*

**Research in Progress:**

Ibara-Mejia G, Conde D, Browne K, Maier-Moore J. *Identification of inflammatory biomarkers for the early detection of tendonitis during repetitive manual assembly tasks.* Data collected, analysis ongoing and manuscript pending

González A, Valencia C, Browne K. Topical application of cannabidiol (CBD) oil versus placebo for reduction of unilateral osteo-arthritic knee pain among adult Hispanic patients. IRB Approved, Data collection in Spring 2020.

Browne K. *Will a hip augmented stair-climbing strategy change electromyographical amplitude and timing parameters in asymptomatic young persons?* DPT Program 2021. Capstone Research: Advisee

Browne K, Ilnaz S, Tachavieva, F. *Biomechanical and postural differences between novice and expert rhythmic gymnasts.* Pilot data collection phase.

**CONTINUING PROFESSIONAL EDUCATION**

* ScD Program, Texas Tech:
  + Professional Issues and Ethics
  + Curriculum Design and Teaching in Allied Health
  + Education Evaluation in Health Care
  + Orthopedic Physical Therapy Medical Screening
  + Health Care Management
  + Radiologic Anatomy
  + Neuroscience and Motor Control in Orthopedic Physical Therapy
  + Advanced Clinical Practice Courses for Spine and Extremities
* ScD Program, Texas Tech Clinical Courses with the International Academy of Orthopedic Medicine, Clinical Examination and Manual Therapy of:
  + Recurrent and Chronic Low Back Pain
  + Acute Lumbar and Sacroiliac Joint
    - Thoracic Spine and Ribs
    - Lower Cervical Spine: Disc, Facet and UncoVertebral Joint Pathology
    - Thoracic Outlet Syndrome and CervicoThoracic Junction
    - Upper Cervical Spine and Headaches
    - IAOM: Comprehensive Cervical, Thoracic, Lumbar and Sacral Restabilization
    - IAOM: Extremities: Hip, Shoulder, Ankle/Foot, Elbow, Wrist and Thumb
    - SenMoCOR Lower Extremity
* Numerous Other Orthopedic Related Continuing Education/Conferences
* Combined Sections Meeting: Musculoskeletal, Global Health, Education
  + February 2018 and January 2019
* Lumbar Spinal Manipulation
  + OCS Specialty Examination Prep Course
  + Current Concepts in Sports Medicine: Shoulder and Knee Rehabilitation
  + Nordic Approach Differential Diagnosis: Neck and Shoulder
  + Nordic Approach Differential Diagnosis: Lumbar and Hip
  + Maitland Approach, Lumbar Spine
  + Mobilization of the Nervous System: Two Separate Courses
  + Cumulative Trauma and Double Crush of the Upper Extremity
  + Primal Reflex Release
  + Work Hardening/Conditioning Training
  + Intro to Concepts and Application: Movement Impairment Syndromes
  + Functional Rehabilitation Using Foam Roller
  + Introduction to Feldenkrais Concept
  + Unloading Systems and Orthopaedic Physical Therapy
  + Cervico-Thoracic Spine: Kaltenborn-Evjenth Concept
  + International Academy of Orthopedic Medicine International Forum
  + Value in Musculoskeletal Care: US Bone and Joint Initiative
  + Acute Care Lab Values: APTA
  + Interprofessional Education and Care