

## **CURRICULUM VITAE**

**Elaine Trudelle-Jackson**

22-March-2016 (10:52:10)

### **Education**

Ph.D. Texas Woman's University, Denton, Texas, Physical Therapy, 2001  
**Title:** Effect of Post-Rehabilitation Exercise on Strength and Postural Stability Following Total Hip Arthroplasty, November 2001. Director: Sue Smith, PT, PhD

M.S. University of North Texas, Denton, Texas, Physical Education, 1983

B.S. Texas Woman's University, Bloomington, IN, Physical Therapy, 1978

### **Professional Certifications & Licensures**

Physical Therapy License, TX #1-2263-0, 2013 (2013)

### **Academic Employment**

Director, Dallas Office of Research, Texas Woman's University (2012 - Present), Denton, Texas.

Professor, Texas Woman's University (2012 - Present), Dallas, Texas. TWU School of Physical Therapy

Associate Professor, Texas Woman's University (2007 - 2012), Dallas, Texas. TWU School of Physical Therapy

Assistant Professor, Texas Woman's University (2002 - 2007), Dallas, Texas. TWU School of Physical Therapy

Graduate Research Associate, Texas Woman's University (1999 - 2001), Dallas, Texas. TWU Health Promotion & Research Center

Assistant Professor, Texas A&M University (1986 - 1997), Dallas, Texas. TWU School of Physical Therapy

### **Non-Academic Employment**

Contract physical therapy, PT Temps, Inc (1997 - 1998), Richardson, Texas.

Contract Physical Therapist, Signature Home Care (1996 - 1996), Dallas, Texas.

Part-time Physical therapist, Lewisville Sports Medicine (1988 - 1988),  
Lewisville, Texas.

Staff Physical Therapist, Orthopaedic Consultants (1984 - 1987), Dallas, Texas.

Director of Physical Therapy, Haltom General Hospital (1983 - 1984), Haltom  
City, Texas.

Senior Physical Therapist, Medical City Dallas Hospital (1979 - 1983), Dallas,  
Texas.

Staff Physical Therapist, Garden State Rehabilitation Hospital (1978 - 1979),  
Toms River, New Jersey.

## TEACHING

### **Courses Taught from Teaching Schedule at TWU**

#### **Doctoral:**

Advanced Instrumentation in Physical Therapy (PT6083)

Advanced Practicum in Physical Therapy (PT6103)

Applied Statistical Methods for the Health Care Professional (PT6191)

Basic Physical Therapy Skills (PT6061)

Clinical Experience II (PT6804)

Clinical Management of the Musculoskeletal System (PT6022)

Critical Inquiry in Physical Therapy I (PT6001)

Critical Inquiry in Physical Therapy II (PT6011)

Critical Inquiry in Physical Therapy III (PT6021)

Examination, Evaluation, and Outcomes (PT6003)

Field Research in Physical Therapy (PT6303)

Illness Prevention & Health Promotion (PT6263)

Introduction to Grantsmanship in Physical Therapy (PT6503)

Orthopedic Evaluation & Treatment of the Geriatric Client (PT6203)

Practicum in Physical Therapy (PT6101)

Research for Clinical Scientists in Physical Therapy (PT6023)

Statistical Methods I for the Health Professional (PT6043)

Supervised Teaching in Physical Therapy (PT6013)

**Masters:**

Applied Ortho Management (PT5111)  
Applied PT Eval (PT5071)  
Critical Inquiry in Physical Therapy II (PT5881)  
Eval & Assess in PT (PT5073)  
Examination, Evaluation, and Outcomes (PT5303)  
Exercise Testing and Prescription in Physical Therapy (PT5221)  
Extremity Manual Therapy (PT5123)  
Internship II (PT5945)  
Internship III (PT5955)  
Medical Kinesiology (PT5033)  
Medicine and Surgery (PT5062)  
Orthopedic Evaluation & Treatment of Geriatric Client (PT5203)  
Pathophysiology of Ther Ex (PT5093)  
Pharm Nutr PT (PT5213)  
Professional Paper (PT5971)  
Research in Physical Therapy (PT5233)  
Special Topics (PT5901)  
Special Topics (PT5903)  
Ther Act - Ortho (PT5113)

**Teaching Activities****Doctoral Dissertation Student Committee - Chair**

2015 - Effect of Two Different Types of AFOs on Gait Outcomes in Patients with Subacute Stroke. [Priya Karakkattil]

2015 - The Effect of a Training Intervention on Muscle Strength, Power and Functional Performance in Persons with Total Knee Replacement. [Emerenciana Ferro]

2013 - Effect of ultrasound imaging biofeedback on stress urinary incontinence in women. [Lisa Fleisher]

2011 - Association Between Lumbar Extremes of Motion and Musculoskeletal Injury of the Low Back and Hip in Adult Women. [Nicole Borman]

2010 - Effects of a 10-Week Exercise Intervention on Thoracic Kyphosis, Pulmonary Function, Endurance, and Quality of Life in Women With Osteoporosis. [Jenna Sawdon Bea]

**Doctoral Dissertation Student Committee - Member**

2015 - The Effect of Visual Environmental Distraction on Gait Performance in Children. [Fabian Bizama]

2014 - Comparison of an Eccentric Exercise Intervention to a Concentric Exercise Interventions in Adults with Subacromial Impingement Syndrome. [Christiana Blume]

2014 - Effect of Lumbopelvic Manipulation on Hip and Knee Neuromuscular Activity, Pain Intensity, and Functional Ability in People with Patellofemoral Pain Syndrome. [Ammar Al Abbad]

2013 - Effectiveness of spinal stabilization exercises for low back pain in adolescents with idiopathic scoliosis. [Karina Zapata]

2012 - Multi-segment Coordination Within the Foot in Healthy Children and Patients Previously Treated for Congenital Clubfoot During Walking, Toe Raises and Single Limb Hopping. [Kirsten Tulchin]

2012 - Gender Differences in Gait During Stair Descent Transitions in Healthy Older Adults. [Kunal Singhal]

2011 - Effect of Aerobic Exercise on Cognition and Sedentary Behavior in Persons with Parkinson's Disease. [Chad Swank]

2009 - The effects of ankle bracing on the kinematics and kinetics of the knee during jump landing. [Gary Christopher]

2008 - Effects of Electrical Stimulation and Exercise on Urinary Incontinence. [Joan Firra]

2008 - Effectiveness of surface electromyographic biofeedback-triggered neuromuscular electrical stimulation on knee rehabilitation. [Anthony Boucher]

2008 - Effectiveness of cervical spine manipulation versus vibratory inhibition on patients with cervical spine pain. [David Clubb]

2006 - Kinematic and Kinetic Analysis of the Knee after Anterior Cruciate Ligament Reconstruction in Women. [Alexis Ortiz]

#### **Master's Thesis Student Committee - Chair**

2006 - Exercise Effect on Strength, Balance, and Function in Women With Low Bone Mass. [Lisa Fleisher]

2005 - Outcomes of Total Knee Arthroplasty in Patients who Are 1-Year Post Surgery. [Priya Joy]

2005 - Interrater Reliability of the Movement Classification for Lumbar Spine Syndromes in Patients With Chronic Low Back Pain. [Shweta Sarvaiya-Shaw]

1990 - The Contribution of Pelvic Rotation to Straight Leg Raising Measurement.  
[Karen Dubrow]

1990 - Intermachine Reliability of a System of Testing Trunk Flexion and  
Extension. [Sharon Bezner]

#### **Master's Thesis Student Committee - Member**

2006 - Effects of a Home Exercise Program on Index of Kyphosis, Height,  
Balance, and Quality of Life in Post-menopausal Women with Low Bone Mass.  
[Victoria Cannella]

1992 - Intrarater and Interrater Reliability of Lumbar Flexion and Extension  
Taken By the Cybex Electronic Digital Inclinometer. [Kathleen Denny]

### SCHOLARSHIP/CREATIVE ACHIEVEMENTS

#### **Chapters, Cases, Readings, Supplements**

##### **Chapter**

Trudelle-Jackson, E. & Fleisher, L. A. (2009). Musculoskeletal Health. *Health on Demand*. Champaign, IL: Human Kinetics.

Nichols, D., Fleisher, L., & Trudelle-Jackson, E. (2009). Osteoporosis. *ACSM's Resources for Clinical Exercise Physiology: Musculoskeletal, Neuromuscular, Neoplastic, Immunologic and Hematologic Conditions* (pp. 139-151). Baltimore, MD: Lippincott Williams & Wilkins.

Trudelle-Jackson, E. (2004). Musculoskeletal Health. *Physical Activity for Health and Fitness* (pp. 193-226). Champaign, IL: Human Kinetics.

Trudelle-Jackson, E. (2004). Pregnancy. *Physical Activity for Health and Fitness* (pp. 251-270). Champaign, IL: Human Kinetics.

Nichols, D., Horea, M., & Trudelle-Jackson, E. (2002). Osteoporosis. *ACSM's Resources for Clinical Exercise Physiology: Musculoskeletal, Neuromuscular, Neoplastic, Immunologic and Hematologic Conditions* (pp. 139-151). Baltimore, MD: Lippincott Williams & Wilkins.

Trudelle-Jackson, E. (1999). Musculoskeletal Health. *Physical Activity for Health and Fitness: An Individualized Lifetime Approach* (pp. 193-226). Champaign, IL: Human Kinetics.

Trudelle-Jackson, E. (1999). Pregnancy. *Physical Activity for Health and Fitness: An Individualized Lifetime Approach* (pp. 251-270). Champaign, IL: Human Kinetics.

## **Published Articles in Journals**

### **Refereed**

Zapata, K. K., Wang-Price, S. S., Thompson, M., Trudelle-Jackson, E., & Lovelace-Chandler, V. (2015). Spinal stabilization exercises for low back pain in adolescent idiopathic scoliosis: A randomized clinical trial. *Pediatric Physical Therapy*, 27 (396-402). [Winter I]

Blume, C., Wang-Price, S. S., Trudelle-Jackson, E., & Ortiz, A. (2015). Comparison of Eccentric and Concentric Exercise Interventions in Adults with Subacromial Impingement Syndrome. *International Journal of Sports Physical Therapy*, 10 (441-455). [August]

Trudelle-Jackson, E., Morrow, J. R., & Leonard, D. (2014). Musculoskeletal risk factors as predictors of injury in community-dwelling women. *Medicine and Science in Sports and Exercise*, 46, 1752-1757. [September]

Vingren, J. L., Morrow, J. R., Trudelle-Jackson, E., & Mathew, M. (2013). Prevalence of Muscle-Strengthening Activities in Women: Findings from the WIN Study. *Journal of Physical Activity & Health*, 10 (Sept), 1008-1015.

Morrow, J. R., DeFina, L. F., Leonard, D., Trudelle-Jackson, E., & Custodio, M. A. (2012). Meeting Physical Activity Guidelines and Musculoskeletal Injury: The WIN Study. *Medicine and Science in Sports and Exercise*, 44 (Oct), 1986-1992.

Morrow, J. R., Bain, T., Frierson, G. M., Trudelle-Jackson, E., & Haskell, W. L. (2011). Long-term tracking of physical activity behaviors in women: the WIN study. *Medicine and Science in Sports and Exercise* (43), 165-170.

Trudelle-Jackson, E., Ferro, E., & Morrow, J. R. (2011). Clinical Implications for Muscle Strength Differences in Women of Different Age and Racial groups: The WIN study. *Journal of Women's Health Physical Therapy* (35), 11-18.

Fleisher, L., Trudelle-Jackson, E., Thompson, M., & Smith, S. (2011). Effects of weight-bearing and resistance exercises on lower extremity strength, postural stability, and quality of life in postmenopausal women with low bone mass. *Journal of Women's Health* (35), 114-127.

- Ortiz, A., Olson, S., Trudelle-Jackson, E., & Rosario, M. (2011). Landing Mechanics during Sidestepping and Cross-over Maneuvers between Noninjured Women and Women with ACL Reconstruction. *Physical Medicine and Rehabilitation Clinics of North America* (3), 13-20.
- Borman, N. P., Trudelle-Jackson, E., & Smith, S. S. (2011). Effect of stretch positions on hamstring muscle length, lumbar flexion range of motion, and lumbar curvature in healthy adults. *Physiotherapy Theory and Practice: An International Journal of Physical Therapy* (27), 146-154.
- Norris, B. & Trudelle-Jackson, E. (2011). Hip and thigh-muscle activation during the Star Excursion Balance Test. *Journal of Sports Rehabilitation* (20), 428-441.
- Trudelle-Jackson, E., Jackson, A. W., & Morrow, J. R. (2011). Relations of Meeting National Public Health Recommendations for Muscular Strengthening Activities with Strength, Body Composition, and Obesity: The WIN Study. *American Journal of Public Health*.
- Bain, T. M., Frierson, G. M., Trudelle-Jackson, E., & Morrow, J. R. (2010). Internet reporting of weekly physical activity behaviors: The WIN Study. *Journal of Physical Activity & Health* (7), 527-532.
- Trudelle-Jackson, E., Fleisher, L. A., Borman, N. P., Morrow, J. R., & Frierson, G. M. (2010). Lumbar Spine Flexion and Extension Extremes of Motion in Women of Different Age and Racial Groups. *The Spine Journal* (35), 1539-1544.
- Ortiz, A., Trudelle-Jackson, E., McConnell, K., & Wylie, S. (2010). Effectiveness of a 6-week injury prevention program on kinematics and kinetic variables in adolescent female soccer players: A pilot study. *Puerto Rico Health Sciences Journal* (29), 40-48.
- Ortiz, A., Olson, S., Bartlett, W., Etnyre, B., & Trudelle-Jackson, E. (2010). Fatigue Effects on Knee Joint stability during Two Jump Tasks in Women. *Journal of Strength and Conditioning Research* (24), 1019-1027.
- Boucher, T., Wang, S., Trudelle-Jackson, E., & Olson, S. (2009). Effectiveness of surface electromyographic biofeedback-triggered neuromuscular electrical stimulation on knee rehabilitation. *North American Journal of Sports Physical Therapy* (4), 100-109.
- Trudelle-Jackson, E., Sarvaiya-Shah, S., & Wang, S. (2008). Interrater reliability of a movement impairment based classification system for lumbar spine

syndromes in patients with chronic low back pain. *Journal of Orthopaedic and Sports Physical Therapy* (38), 371-376.

Ortiz, A., Olson, S., Libby, C., Kwon, Y. H., & Trudelle-Jackson, E. (2007). Kinematic and kinetic reliability of two jumping and landing physical performance tests in young adult women. *North American Journal of Sports Physical Therapy* (2), 104-112.

Ortiz, A., Olson, S., Libby, C. L., Trudelle-Jackson, E., Kwon, Y. H., Etnyre, B. & Bartlett, W. (2007). Landing mechanics between noninjured women and women with anterior cruciate ligament reconstruction during 2 jump tasks. *American Journal Sports Medicine* (10), 1-9.

Trudelle-Jackson, E., Jackson, A. W., & Morrow, J. R. (2006). Muscle strength and postural stability in healthy older women: Implications for fall prevention. *Journal of Physical Activity & Health* (23), 1-12.

Wang, S. & Trudelle-Jackson, E. (2006). Comparison of customized versus standard exercises in rehabilitation of shoulder disorders. *Clinical Rehabilitation* (20), 675-685.

Trudelle-Jackson, E. & Smith, S. S. (2004). Effects of a late-phase exercise program after total hip arthroplasty: a randomized controlled trial. *Archives of Physical Medicine and Rehabilitation* (85), 1056-1062.

Trudelle-Jackson, E., Emerson, R. H., & Smith, S. S. (2002). Outcomes of total hip arthroplasty: A study of patients one year post-surgery. *Journal of Orthopaedic and Sports Physical Therapy* (32), 260-267.

Trudelle-Jackson, E. (2002). Balance and post-operative lower extremity joint replacement. *Orthopedic Clinics of North America* (11), 101-110.

Higgenboten, C. L., Jackson, A., Trudelle-Jackson, E., & Meske, N. B. (1994). Cross-validation of height and gender estimations of femoral condyle width in osteochondral allografts. *Clinical Orthopaedics and Related Research* (298), 246-249.

Trudelle-Jackson, E., Jackson, A. W., Frankowski, C. M., Long, K. M., & Meske, N. B. (1994). Interdevice reliability and validity assessment of the Nicholas hand-held dynamometer. *Journal of Orthopaedic and Sports Physical Therapy* (20), 302-306.

Trudelle-Jackson, E., Meske, N. B., Higgenboten, C. L., & Jackson, A. (1989). Eccentric/concentric torque deficits in the quadriceps muscle. *Journal of Orthopaedic and Sports Physical Therapy* (11), 142-145.



Jackson, A. & Trudelle-Jackson, E. (1988). A computer program for use in body composition analysis. *Strength and Conditioning Journal*.

## Accepted Articles in Journals

### Refereed

1. Swank, C., Trudelle-Jackson, E., Medley, A., Thompson, M., & Jackson, A. W. (in press, 2015). A Comparison of Physical Activity and Dual Task Gait among Persons with Parkinson's Disease and Healthy Older Adults. *Physical & Occupational Therapy in Geriatrics: Current Trends in Geriatric Rehabilitation*.

## Conference Presentations

### Paper (independent)

Al Abbad, A., Wang-Price, S., Ortiz, A., & Trudelle-Jackson, E. (2015). *Immediate and carry-over effects of lumbopelvic manipulation on hip and knee electromyographix amplitude and pain intensity in people with patellofemoral pain syndrome*. APTA Combined Sections Meeting, Indianapolis, Indiana. [Status: Presented] [Refereed]

Blume, C., Wang-Price, S., Trudelle-Jackson, E., & Ortiz, A. (2015). *Effectiveness of concentric versus eccentric rotator cuff and scapular muscle progressive resistance exercise in adults with subacromial impingement syndrome*. APTA Combined Sections Meeting, Indianapolis, Indiana. [Status: Presented] [Refereed]

Karakkattil, P., Trudelle-Jackson, E., Brown, H., Hammontree, P., & Okolo, M. (2015). *Outcomes of BTX-A for equinovarus deformity in patients with CVA: A case series*. APTA Combined Sections Meeting, Indianapolis, Indiana. [Status: Presented] [Refereed]

Trudelle-Jackson, E., Hines, E., Connell, S., Follingstad, R., & Russell, D. (2015). *The association between assessments of quadriceps muscle power obtained with the isotonic mode of the Biodex multi-joint system and when calculated from the stair climb test*. APTA Combined Sections Meeting, Indianapolis, Indiana. [Status: Presented] [Refereed]

Swank, C., Barisa, M., Medley, S., Thompson, M., & Trudelle-Jackson, E. (2014). *The relationship between the RBANS and a dual task paradigm in people with Parkinson's disease*. APTA Combined Sections Meeting, Las Vegas, Nevada. [Status: Presented] [Refereed]

Zapata, K., Wang, S., Trudelle-Jackson, E., Thompson, M., & Lovelace-Chandler, V. (2014). *Effectiveness of spinal stabilization exercises for low back pain in adolescents with idiopathic scoliosis*. American Physical Therapy Association Combined Sections Annual Meeting, Las Vegas, Nevada. [Status: Presented] [Refereed]

Hines, E., Trudelle-Jackson, E., Connell, S., Follingstad, R., & Russell, D. (2014). *The association between assessments of quadriceps muscle power obtained with the isotonic mode of the Biodex multi-joint system and when calculated from the stair climb test*. Texas Physical Therapy Association Annual Conference, Galveston, Texas. [Status: Presented] [Refereed]

Hines, E., Bedell, L., & Trudelle-Jackson, E. (2013). *A comparison of lower extremity muscle strength measurements taken with a hand-held dynamometer with and without use of a stabilization strap*. American Physical Therapy Association Combined Sections Meeting, San Diego, California. [Status: Presented] [Refereed]

Zapata, K., Wang, S., Trudelle-Jackson, E., Thompson, M., & Lovelace-Chandler, V. (2013). *Effectiveness of spinal stabilization exercises for low back pain in adolescents with idiopathic scoliosis*. Texas Physical Therapy Association Annual Conference, Arlington, Texas. [Status: Presented] [Refereed]

Swank, C., Peiser, M., Zimmerman, R., Medley, A., Thompson, M., Trudelle-Jackson, E. (2012). *Predictors of sedentary behavior in people with Parkinson disease*. American Physical Therapy Association, Chicago, Illinois. [Status: Presented] [Refereed]

Borman, N. P., Johnson, K. M., Trudelle-Jackson, E., Vingren, J. L., & Morrow, J. R. (2011). *Self-report resistance exercise behaviors, falls self-efficacy and history of falls: The WIN Study*. 58th Annual Meeting and 2nd World Congress on Exercise is Medicine of the American College of Sports Medicine, Denver, Colorado. [Status: Presented] [Refereed]

Mojica, F., Trudelle-Jackson, E., McConnell, K., Wylie, S., & Ortiz, A. (2011). *Effectiveness of an injury prevention program in female soccer players*. 58th Annual Meeting and 2nd World Congress on Exercise is Medicine of the American College of Sports Medicine, Denver, Colorado. [Status: Presented] [Refereed]

Morrow, J. R., Trudelle-Jackson, E., & Haskell, W. L. (2011). *Meeting physical activity guidelines and incidence of musculoskeletal injury: The WIN Study*. 58th Annual Meeting and 2nd World Congress on Exercise is Medicine of the

American College of Sports Medicine, Denver, Colorado. [Status: Presented] [Refereed]

Trudelle-Jackson, E., Ferro, E., Huff, C., McQueary, A., & Thomas, J. (2011). *Intra- and inter-tester reliability of lower extremity muscle strength measurements using a hand-held dynamometer with and without a stabilization strap*. American Physical Therapy Association, New Orleans, Louisiana. [Status: Presented] [Refereed]

Trudelle-Jackson, E., Thompson, M., Bolar, S., Landy, B., & Sallee, B. (2011). *Are physical therapists aware of the 2008 Physical Activity Guidelines for Americans and what are they doing about it?* American Physical Therapy Association, National Harbor, Maryland. [Status: Presented] [Refereed]

Trudelle-Jackson, E. & Morrow, J. R. (2011). *Are lower limb muscle strength and flexibility deficits predictive of musculoskeletal injury? The WIN Study*. 58th Annual Meeting and 2nd World Congress on Exercise is Medicine of the American College of Sports Medicine, Denver, Colorado. [Status: Presented] [Refereed]

Vingren, J. L., Morrow, J. R., Trudelle-Jackson, E., & Mathew, M. (2011). *What strengthening activities do women perform? Findings from the WIN Study*. 58th Annual Meeting and 2nd World Congress on Exercise is Medicine of the American College of Sports Medicine, Denver, Colorado. [Status: Accepted] [Refereed]

Ferro, E., Bedell, L., Johnson, A., McMillan, K., & Trudelle-Jackson, E. (2011). *Intra- and inter-tester reliability of lower extremity muscle strength measurements using a hand-held dynamometer with and without a stabilization strap*. Texas Physical Therapy Association Annual Conference, Houston, Texas. [Status: Presented] [Refereed]

Casebolt, J. B., Singhal, K., Kwon, M. S., Trudelle-Jackson, E., & Kwon, Y. H. (2010). *A Biomechanical Comparison of Axillary Crutch swing through Gait with and without Touch Down*. 2nd Annual Joint European Society of Movement Analysis for Adults and Children (ESMAC), Miami, Florida. [Status: Presented] [Refereed]

Morrow, J. R., Bain, T. M., Haskell, W. L., Trudelle-Jackson, E., & Frierson, G. (2010). *Prevalence of self-reported physical activity in community dwelling women: The WIN Study*. 3rd International Congress on Physical Activity and Public Health, Toronto, Canada. [Status: Presented] [Refereed]

Singhal, K., Casebolt, J. B., Kwon, M. S., Trudelle-Jackson, E., & Kwon, Y. H. (2010). *Effects of different crutches and arm dominance on shoulder joint*

*kinetics*. 2nd Annual Joint European Society of Movement Analysis for Adults and Children (ESMAC), Miami, Florida. [Status: Presented] [Refereed]

Ferro, E., Trudelle-Jackson, E., Gracian, A., Henry, J., Kahil, K., Wolf, S. (2010). *Reliability and validity of an electronic inclinometer (EI) and standard goniometer (SG) for measuring the Q-angle in 2 different positions in a sample of women*. Texas Chapter of the American College of Sports Medicine, Houston, Texas. [Status: Presented] [Refereed]

Jackson, A. W., Trudelle-Jackson, E., & Morrow, J. R. (2010). *Strength and obesity in women meeting HHS muscle strengthening activity recommendations: The WIN Study*. Annual American College of Sports Medicine (ACSM) Conference, Baltimore, Maryland. [Status: Presented] [Refereed]

Morrow, J. R., Bain, T., Frierson, G., & Trudelle-Jackson, E. (2010). *Long-term reliability of self-reported physical activity: The WIN Study*. Annual American College of Sports Medicine (ACSM) Conference, Baltimore, Maryland. [Status: Presented] [Refereed]

Norris, B. M. & Trudelle-Jackson, E. (2010). *Hip and thigh-muscle activation during the Star Excursion Balance Test*. Annual American College of Sports Medicine (ACSM) Conference, San Diego, California. [Status: Presented] [Refereed]

Trudelle-Jackson, E., Ferro, E., Morrow, J. R., & Frierson, G. M. (2010). *Differences in muscle strength between Caucasian and African-American women of different age groups: the WIN study*. American Physical Therapy Association, San Diego, California. [Status: Presented] [Refereed]

Bain, T. M., Morrow, J. R., Barlow, C. E., Trudelle-Jackson, E., & Frierson, G. M. (2009). *Relationship between physical activity and body habitus among free-living women*. Annual American College of Sports Medicine (ACSM) Conference, Seattle, Washington. [Status: Presented] [Refereed]

Boucher, A., Wang, S., Olson, S., & Trudelle-Jackson, E. (2009). *Effectiveness of surface electromyographic biofeedback-triggered neuromuscular electrical stimulation on knee rehabilitation*. American Physical Therapy Association, Las Vegas, Nevada. [Status: Presented] [Refereed]

Clubb, D., Wang, S., Olson, S., Trudelle-Jackson, E., Lovelace-Chandler, V., Mitchell, K. (2009). *Comparison of Cervical Spine Manipulation and Vibratory Inhibition in Patients with Dysfunction of the Cervical Spine*. American Physical Therapy Association, Las Vegas, Nevada. [Status: Presented] [Refereed]

Fleisher, L., Borman, N., Frierson, G., Morrow, J. R., & Trudelle-Jackson, E. (2009). *Reliability and validity of lumbar range of motion measurements using a single electronic goniometer in women*. American Physical Therapy Association, Las Vegas, Nevada. [Status: Presented] [Refereed]

Trudelle-Jackson, E., Morrow, J. R., Fleisher, L. A., Borman, L. P., & Frierson, G. M. (2009). *Lumbar Spine Flexion and Extension Extremes of Motion in Women of Different Age and Racial Groups*. Annual American College of Sports Medicine (ACSM) Conference, Seattle, Washington. [Status: Presented] [Refereed]

Morrow, J. R., Frierson, G. M., Trudelle-Jackson, E., & Rives, T. E. (2008). *Surveillance of women's injuries resulting from physical activity: project WIN*. American College of Sports Medicine Annual Meeting, Indianapolis, Indiana. [Status: Presented] [Refereed]

Ratner, J., Wang, S., & Trudelle-Jackson, E. (2008). *Outcomes of a high-velocity thrust manipulation on patients with sacroiliac joint hypomobility dysfunction*. American Physical Therapy Association, Nashville, Tennessee. [Status: Presented] [Refereed]

Trudelle-Jackson, E., Ortiz, A., McConnell, K., & Wylie, S. (2008). *Effects of a 6-week injury prevention program on knee valgus during landing in adolescent female soccer players*. American Physical Therapy Association, Nashville, Tennessee. [Status: Presented] [Refereed]

Fleisher, L. & Trudelle-Jackson, E. (2007). *Exercise effect on strength, balance, and quality of life in women with low bone mass*. 15th International Congress of the World Confederation for Physical Therapy (WCPT), Vancouver, Canada. [Status: Presented] [Refereed]

Borman, N., Trudelle-Jackson, E., Dacus, B., & Saad, D. (2007). *Effects of an individualized exercise program on post-menopausal women with low bone mass*. American Physical Therapy Association, Boston, Massachusetts. [Status: Presented] [Refereed]

Ortiz, A., Olson, S., Libby, C., Etnyre, B., Trudelle-Jackson, E., Bartlett, W. & Kwon, YH. (2007). *Landing mechanics between non-injured women and women with ACL reconstruction during a 40-cm drop jump*. American College of Sports Medicine Annual Meeting, New Orleans, Louisiana. [Status: Presented] [Refereed]

Trudelle-Jackson, E. & Karakktapil, P. S. (2007). *Outcomes of total knee arthroplasty 1-year postsurgery*. American Physical Therapy Association, Boston, Massachusetts. [Status: Presented] [Refereed]

Fleisher, L. & Trudelle-Jackson, E. (2007). *Exercise effect on strength, balance, and quality of life in women with low bone mass*. Texas Physical Therapy Association Annual Conference, Galveston, Texas. [Status: Presented] [Refereed]

Nations, T., Ortiz, A., & Trudelle-Jackson, E. (2007). *Effects of a 6-week injury prevention program on knee valgus during landing in adolescent female soccer players*. Texas Physical Therapy Association Annual Conference, Galveston, Texas. [Status: Presented] [Refereed]

McConnell, K., Wylie, S., Ortiz, A., & Trudelle-Jackson, E. (2006). *Effects of a 5-week injury prevention program on kinematics and kinetics in adolescent women soccer players: A pilot study*. American Physical Therapy Association, San Diego, California. [Status: Presented] [Refereed]

Wang, S., Trudelle-Jackson, E., Tossey, L. L., Vo, W. P., & Theriault, T. M. (2006). *Effectiveness of two physical therapy interventions for increasing length in the pectoralis minor muscle*. American Physical Therapy Association, San Diego, California. [Status: Presented] [Refereed]

Dacus, B., Saad, D., Borman, N., & Trudelle-Jackson, E. (2006). *Effects of an individualized exercise program on post-menopausal women with low bone mass*. Texas Physical Therapy Association Annual Conference, Fort Worth, Texas. [Status: Presented] [Refereed]

Karakatpil, P. & Trudelle-Jackson, E. (2006). *Outcomes of total knee arthroplasty 1-year postsurgery*. Texas Physical Therapy Association Annual Conference, Fort Worth, Texas. [Status: Presented] [Refereed]

Trudelle-Jackson, E., Brandelesi, G., & Eppright, K. (2005). *Lower extremity muscle strength decline with aging: Implications for fall prevention*. American Physical Therapy Association, New Orleans, Louisiana. [Status: Presented] [Refereed]

McConnell, K., Wylie, S., Ortiz, A., & Trudelle-Jackson, E. (2005). *Effects of a 5-week injury prevention program on kinematics and kinetics in adolescent women soccer players: A pilot study*. Texas Physical Therapy Association Annual Conference, The Woodlands, Texas. [Status: Presented] [Refereed]

Wang, S. S., Trudelle-Jackson, E., Tossey, L. L., Vo, W. P., & Theriault, T. M. (2005). *Effectiveness of two physical therapy interventions for increasing length in the pectoralis minor muscle*. Texas Physical Therapy Association Annual Conference, The Woodlands, Texas. [Status: Presented] [Refereed]

Trudelle-Jackson, E. & Kondraske, G. (2004). *Nonlinear Causal Resource Analysis to Determine Threshold Strength Needed for Stair Climbing in Subjects With Total Hip Arthroplasty*. American Physical Therapy Association, Nashville, Tennessee. [Status: Presented] [Refereed]

Trudelle-Jackson, E. & Smith, S. S. (2003). *Effect of Post-Rehabilitation Exercise on Strength and Postural Stability Following Total Hip Arthroplasty*. American Physical Therapy Association, Tampa Bay, Florida. [Status: Presented] [Refereed]

Trudelle-Jackson, E. & Smith, S. S. (2001). *Effect of Post-Rehabilitation Exercise on Strength and Postural Stability Following Total Hip Arthroplasty*. Texas Physical Therapy Association Annual Conference, Arlington, Texas. [Status: Presented] [Refereed]

Trudelle-Jackson, E., Smith, S. S., & Jackson, A. W. (2000). *Assessment of impairments and functional outcomes in patients one year after total hip replacement*. Annual American College of Sports Medicine (ACSM) Conference, Indianapolis, Indiana. [Status: Presented] [Refereed]

Trudelle-Jackson, E. & Smith, S. S. (1999). *Outcomes of total hip arthroplasty in patients who are 1-year post surgery*. Texas Physical Therapy Association Annual Conference, Houston, Texas. [Status: Presented] [Refereed]

Trudelle-Jackson, E., Rozier, C. K., & Smith, S. S. (1999). *TWU Health Promotion & Research Center: A collaboration between the university and Presbyterian Hospital to benefit the community*. Texas Physical Therapy Association Annual Conference, Houston, Texas. [Status: Presented] [Refereed]

Trudelle-Jackson, E., Tally, J. A., Brandewie, D., Craig, S., Urban, K., Warner, C. (1995). *Reliability of the cervical range of motion (CROM) device*. Texas Physical Therapy Association Annual Conference, Dallas, Texas. [Status: Presented] [Refereed]

Trudelle-Jackson, E., Dupuis, S., Bunetta, P., Daugherty, K., & Kotera, T. (1994). *Angular velocity and quadriceps peak torque angle of occurrence*. Texas Physical Therapy Association Annual Conference, San Antonio, Texas. [Status: Presented] [Refereed]

Jackson, A., Trudelle-Jackson, E., Frankowski, C., Long, K. M., & Meske, N. B. (1993). *Interdevice reliability and validity of the Nicholas hand-held dynamometer*. American College of Sports Medicine National Conference, Seattle, Washington. [Status: Presented] [Refereed]

Trudelle-Jackson, E., Deaton, D. L., Johns, K., Narasov, S., & Rafeei, T. (1992). *Test-retest reliability of Kin-Com measurements of shoulder internal and external rotators*. Texas Physical Therapy Association Annual Conference, Houston, Texas. [Status: Presented] [Refereed]

Trudelle-Jackson, E., Meske, N. B., Highenboten, C. L., & Jackson, A. (1988). *Eccentric/concentric torque deficits in the quadriceps muscle*. Texas Physical Therapy Association Annual Conference, Dallas, Texas. [Status: Presented] [Refereed]

## **Grants & Gifts**

### **Funded**

2015 [Year 4 of 5]: Trudelle-Jackson, E. Development of an Office of Research & Sponsored Programs at Texas Woman's University Institute of Health Sciences-Dallas Center (\$430,351.00), Principal Investigator, GOV-National Institute of Child Health & Human Development (NICHD).

2015: Trudelle-Jackson, E. Effect of Two Different Types of AFOs on Gait Outcomes in Patients with Subacute Stroke (\$3,125.00), Principal Investigator, Texas Physical Therapy Foundation.

2015: Trudelle-Jackson, E. & Swank, C., Enhancing the Clinical Research Workforce: A Collaborative Effort between Academic and Clinical Partners (\$117,175.00), Co-Principal Investigator, Baylor Foundation.

2013: Trudelle-Jackson, E. The Effect of Home-Based High Velocity Training Exercises on Muscle Strength, Muscle Power and Functional Performance in Individuals with Total Knee Arthroplasty (\$2,756.00), Principal Investigator, Texas Physical Therapy Foundation.

2011 [Year 5 of 5]: Trudelle-Jackson, E. Women's Exercise Injuries: Incidence and Risk Factors (\$229,632.00), Principal Investigator, GOV-National Institute of Arthritis & Musculoskeletal & Skin Diseases (NIAMS).

2010: Trudelle-Jackson, E. Effect of Rehabilitative Ultrasound Imaging Biofeedback on Urinary Incontinence, Pelvic Floor Muscle Contraction, and Quality of Life in Women With Stress Urinary Incontinence (\$5,000.00), Principal Investigator, American Physical Therapy Association, Section Women's Health.

2006: Trudelle-Jackson, E. Exercise Effect on Strength, Balance, and Function in Women With Low Bone Mass (\$1,000.00), Principal Investigator, Texas Physical Therapy Foundation.



2003: Trudelle-Jackson, E. Outcomes of Total Knee Arthroplasty in Patients Who Are 1-Year Post Surgery (\$600.00), Principal Investigator, Texas Physical Therapy Foundation.

2000: Trudelle-Jackson, E. Effect of Exercise on Strength and Postural Stability in Patients Post-Total Hip Arthroplasty (\$1,800.00), Principal Investigator, Texas Physical Therapy Association Research Foundation.

### **Not Funded**

2015: Trudelle-Jackson, E., Swank, C., Bell, K., Driver, S., & Froelich-Grobe, K. Enhancing Physical Activity for Lifelong Health in Individuals with a Disability, Co-Investigator, GOV-National Institute on Disability and Rehabilitation Research (NIDRR).

2012 [Year 2 of 2]: Trudelle-Jackson, E. Resistance Exercise & Strength Training Assessment (RESTA), Co-Investigator, GOV-National Institutes of Health(NIH).

2011 [Year 3 of 3]: Trudelle-Jackson, E. The Effect of Power Training on Functional Performance and Walking Behavior in Individuals with Total Knee Arthroplasty, NIH: Academic Research Enhancement Award.

2010 [Year 2 of 2]: Trudelle-Jackson, E. Resistance Exercise & Strength Training Assessment (RESTA), Co-Investigator, NIH:Improving Diet & PA Assessment.

2009 [Year 2 of 2]: Trudelle-Jackson, E. Effect of Ultrasound Imaging Biofeedback on Stress Urinary Incontinence in Women, National Institute of Health (Challenge Grants).

### **Honors/Awards**

#### **Received**

2012: Outstanding Researcher Award, Texas Physical Therapy Association.

2009 – 2010: , Chancellor's Research Fellows Program.

2006: Annual Conference Outstanding Poster Presentation Award, Texas Physical Therapy Association.

2002: Honorary appointment as an Institute of Women's Health Assistant Research Professor, Texas Woman's University.

2001: Outstanding Doctoral Student Award, Texas Woman's University.

### PROFESSIONAL SERVICE

## **Service Activities for the Component, College, University**

### **Texas Woman's University**

#### **Department Assignments**

##### **Chair:**

2014-2015: Peer Review Committee

2013-2014 – 2014-2015: Post-Professional Committee

2012-2013: Faculty Search Committee

2008 – 2010: Professional Admissions Committee

##### **Coordinator/Director:**

2004 – 2014: Research Coordinator

2004 – 2006: Director of Health Promotion & Research Center (HPRC)

##### **Member:**

2010 – 2012: Awards Committee

2010 – 2012: Marketing and Recruitment Committee

2010 – 2012: Professional Admissions Committee

2004 – 2012: Post-Professional Curriculum Committee

2009-2010: Graduate Program Review: for Kinesiology PhD program.

2004-2005: DPT Graduate Outcomes Task Force

2004-2005: DPT Curriculum Sub-Committee on Generic Abilities

2004-2005: DPT Curriculum Research Sub-Committee

2004-2005: DPT Curriculum Musculoskeletal Sub-Committee

2003-2004: Marketing and Recruitment Committee

2003-2004: Professional Curriculum Committee

2003-2004: Professional Admissions Committee

#### **College Assignments**

##### **Member:**

2012-2013: College of Health Sciences Awards Committee

2011-2012: Graduate Program Review: for College of Nursing PhD program.

2006-2007: Planning Committee for "Power of a Healthy Woman" Symposium

### **University Assignments**

#### **Coordinator/director:**

2012 – 2016: Director, Dallas Office of Research

2015: Dallas Office of Research

#### **Member:**

2014-2015: Associate Dean for Research Search Committee

2010 – 2012: University Research Advisory Committee: as a representative of the College of Health Sciences.

2011-2012: Academic Plan Implementation Cross Cutting Committee for Strategic Direction 2

2008 – 2011: University Promotion and Tenure Committee

2005-2006: Planning Committee for Women's Health Symposium

2005-2006: Summer Research Stipends Selection Committee

2004-2005: Faculty Development Leave Committee

2003-2004: Faculty Grievance Committee

### **Service to the Profession**

#### **Invited Lecture**

2006 – 2014: The Profession of Physical Therapy: Who, What, Where and How. Guest speaker for UNT Kinesiology dept. (once or twice each long semester).

2010: Measurements in Physical Therapy. Guest speaker for Dr. Sanborn's kinesiology class.

2009: Health Promotion in the Physical Therapy Curriculum. Speaker at PT/PTA Annual Faculty Summit.

2007: Guest Speaker, Cooper Institute, Dallas, Texas.

2005: The Female Athlete: Epidemiology of Injuries and Treatment Considerations. Guest speaker for post-professional master's class in Women's Health.

2004: Non-Contact ACL Injuries in Female Athletes. Guest speaker for Biomechanics PhD program.

2003: East Texas District of Texas Physical Therapy Association, Kilgore, Texas. Considerations for the Orthopedic Treatment of the Geriatric Client Week-end course for members.

2001: Presbyterian Hospital Cardiovascular Center, Dallas, Utah. Exercise following total hip replacement.

**Reviewer: Ad Hoc Reviewer for a Journal**

1990 – 1995: Medicine and Science in Sports and Exercise.

**Reviewer: Article / Manuscript**

2015: Journal of Orthopedic and Sports Physical Therapy.

2012 – 2015: Clinical Rehabilitation.

2002 – 2015: Archives of Physical Medicine and Rehabilitation.

2014: Journal of Physical Activity and Health.

**Reviewer: External Tenure**

1995 – 1998: Texas Physical Therapy Education & Research Foundation.

**Reviewer: Grant Proposal Related to Expertise**

2009 – 2010: Texas Physical Therapy Foundation.

2009 – 2010: Texas Physical Therapy Education & Research Foundation.

2009 – 2010: The Health Research Board, Ireland-Research Training Fellowships for Healthcare Professionals.

**Professional Memberships**

American Physical Therapy Association, Geriatric Section, 2013

American Physical Therapy Association, Women's Health Section, 2013

American College of Sports Medicine, 2008-2013

American Physical Therapy Association, Orthopaedic Section, 1990-2015

American Physical Therapy Association, 1985-2015

Texas Physical Therapy Association, 1985-2015

### **Service to the Community**

#### **Member of a Committee**

2000: Nursing Research Committee Presbyterian Hospital

#### **Speech / Presentation at a Community Meeting**

2011: Guest speaker for NOF North Dallas Support Group Methodist Richardson Medical Center, Exercise Strategies for Osteoporosis.

2010: Guest speaker for NOF North Dallas Support Group Methodist Richardson Medical Center, Exercise and Osteoporosis.

2007: Interns at Cooper Institute, The profession of physical therapy.

### OTHER

### **Professional Development**

2012: National Institute of Health, Bethesda, District of Columbia. Completed a 3-week NIH Residency Training at the NIH.

2010: University of South Carolina School of Public Health, Columbia, South Carolina. Invited to consult on a research grant at University of South Carolina School of Public Health by Dr. Steven Blair. Met with Dr. Blair at USC (Feb. 2010) to work on the grant.