

## **Faculty Scholarship Activities (2007-Summer 2012)**

### **Books:**

O'Connell DG, O'Connell JK, Hinman M. *Special Tests for the Heart, Lungs, Abdomen and Peripheral Vascular System*. 1<sup>st</sup> ed. Thorofare, NJ: SLACK Publishers; 2011.

### **Book Chapters/Contributions:**

Hinman MR. Contributing author to “*Saunders' Q & A Review for the Physical Therapy Board Review*” (editor Brad Fortinberry), St. Louis, MO: Saunders-Elsevier, Inc., 2010.

O'Connell DG. Fitness and cardiac rehabilitation. In: Sanders B, ed. *Therapeutic Exercise for the Physical Therapy Assistant*. 2<sup>nd</sup> ed. Philadelphia: Lippincott, Williams, & Wilkins; 2010:255-293.

### **Publications:**

Adams CK, Cotton LM, O'Connell JK, O'Connell DG. Performance-Oriented Mobility Assessment in those with mental retardation living in an institutional facility. *Topics in Geriatric Rehabilitation*. 2007; 23:95-101.

Palmer PB, O'Connell DG. Nonexercise Tests in the Physical Therapy Clinic. *J Cardiopulmonary Physical Therapy*. 2009;20:23-26.

Rutland, MR, O'Connell DG, Brismee JM, Sizer P, et al. Evidence Supported Rehabilitation of Patellar Tendinopathy. *North American J of Sports Phys Ther*. 2010; 5(3):166-178.

### **National Peer-Reviewed Presentations:**

Brewer JF, O'Connell DG, Gassler JH. Cerebral Vascular Anatomy and Hemodynamic Applications to Patients with Neurological Impairments and Dysfunctions. American Physical Therapy Association (APTA) Annual Conference Meeting, June 2012. Tampa, FL.

Brewer JF, O'Connell JK, Green GD, Grijalva VC, Jones KD. Correlations Between Reaction Time and Performing a Functional Task in Patients with Parkinson Disease. American Physical Therapy Association (APTA) Annual Conference Meeting, June 2012. Tampa, FL,

Brewer JF, O'Connell DG, Hinman M, Johnson G, Belcher A, Lopez MA. Sway velocity and balance strategies in roofers and non-roofers. American Physical Therapy Association (APTA) Annual Conference Meeting, June 2010. Boston, MA,

Brewer JF, Leadership in action: leader as coach and mentor. APTA Health Policy and Administration (HPA) Leadership Administration Management Professionalism (LAMP): The Institute for Leadership in Physical Therapy, 2010. Los Angeles, CA,

Brewer JF, Communication to become the autonomous professional of choice . APTA HPA Leadership Administration Management Professionalism (LAMP): The Institute for Leadership in Physical Therapy, 2010. Los Angeles, CA,

Brewer JF. Becoming the autonomous professional of choice C1, Module 3: Leading others – Communication to become the autonomous professional of choice. LAMP – A New Beginning: The Institute for Leadership in Physical Therapy, 2009. Pittsburgh, PA,

Castillo T, Harvey M, Craig J, O’Connell DG. Physical agility is unaltered when wearing different prosthetic feet or pylons in an experienced wearer. Poster presentation to Research Section: American Physical Therapy Association Meeting, June 2008, San Antonio, TX.

Friberg R and Rich M. “Limited Effects of Short-Term Postural Correction on Selected Characteristics of Voice.” The World Conference on the Physiology and Acoustics of Singing, September, 2012, Las Vegas, NV.

Friberg R, et. al. "Effects of Specific Components of Sitting Posture On Measures Of Biomechanical and Neuromechanical Function In Individuals With Cervical Spine Dysfunction." Combined Sections Meeting, American Physical Therapy Association, February, 2011, New Orleans, LA

Friberg R, et. al. “The Role of Appropriate Sitting Posture in Facilitating Selective Biomechanical and Neuromechanical Variables Associated with Upper Quarter Function.” Combined Sections Meeting, American Physical Therapy Association, February, 2010, San Diego, CA

Friberg R, et. al. “Effects of Sustained Cervical Axial Retraction on Specific Clinical Measures Associated with Upper Quarter Movement Dysfunction.” Annual Meeting, American Physical Therapy Association, June, 2009, Baltimore, MD

Friberg R. et. al. “Construct validity of the neural tension test for the ulnar nerve.” Annual Meeting, American Physical Therapy Association, June 2007, Denver, CO.

Friberg R. et. al. “Effects of dynamic stretch at the shoulder on individuals with positive neurotension test for the ulnar nerve.” Combined Sections Meeting, American Physical Therapy Association, February 2007, Nashville, TN.

Friberg R. “Neuromechanical Examination, Evaluation, and Intervention for the Cervical Spine.” 2010: Dallas, TX; San Ramon, CA; Tacoma, WA; Las Vegas, NV; 2011: Seattle, WA; Pasadena, CA; 2012: Seattle, WA; Dallas, TX; Doylestown, PA; Chicago, IL

Friberg R, et. al. “The relationship between primitive and postural reflexes and spine dysfunction as defined by Oswestry and neck disability index scores.” Annual Meeting, American Physical Therapy Association, June, 2008, San Antonio, TX.

Friberg R, et. al. "Use of a neuromechanical strategy for examination and intervention of dysfunctional cervical segmental muscle recruitment." Annual Meeting, American Physical Therapy Association, June, 2008, San Antonio, TX.

Frost J, O'Connell JK, O'Connell DG. The prevalence of patients presenting to an outpatient physical therapy clinic with abnormal BMI, resting heart rate and blood pressure. Poster presentation to Cardiopulmonary Section: American Physical Therapy Association Annual Meeting; June 2008, San Antonio, TX..

Garrett ML, O'Connell DG, Duncan LR, Smith AN. The effect of the Wii Game on Psychomotor Fitness in an Adolescent Male with Hypoxic Ischemic Encephalopathy (HIE) . APTA Combined Sections Meeting. February 2010. San Diego, CA.

Garret ML, Hinman MR, Curry T, Jowers C: The effects of whole-body vibration on spasticity in children with cerebral palsy: case report. APTA Annual Conference, June 2008. San Antonio, TX.

Garrett ML, O'Connell JK, Carlton C, Wheeler M, North K. Effects of a Weighted Vest on Postural Stability in Adolescents with Autism Spectrum Disorder (ASD). APTA Combined Sections Meeting. February 2011. New Orleans, LA.

Hinman M, Powers N, Snowden S, Tunnell D, O'Connell DG. Validity and reliability of TENS as a test of sensory perception. Poster presented to Clinical Electrophysiology and Wound Management Section: American Physical Therapy Association Combined Sections Meeting; February 2011; New Orleans, LA.

Hinman MR. Establishing and Maintaining a Scholarly Agenda (portion of New Faculty Development Workshop for PT and PTA faculty). Presented at Ithaca College in Ithaca, NY (July 2012)

Hinman MR. Instructional Design and Development (portion of New Faculty Development Workshop for PT and PTA faculty). Presented at Ithaca College in Ithaca, NY (July 2011)

Hinman MR, O'Connell JK, Garrett ML, Baskin A, Dorr M, Hardin R, Varner B. Functional Predictors of Stair-climbing Ability in Older Adults (poster). American Physical Therapy Association (APTA) Combined Sections Meeting, Chicago, IL, Feb. 2012.

Hinman MR, O'Connell JK, Higgins S, Sandifer C, Sherwood H, Wren E. Age-related Differences in Foot-Tap Speed. APTA Combined Sections Meeting, Chicago, IL, 2012.

Hinman MR. Fall and Fracture Prevention in Older Adults, sponsored and CEU-approved by the Dogwood Institute, Alpharetta, GA (2006 presentations in Las Vegas, NV, Fairhope, AL, Olympia, WA, and Columbia, PA; 2007 presentations in Bridgeport, CT, Portland, OR, New Orleans, LA; 2008 presentations in Huntington, WV and Downers Grove, IL)

Palmer P, Rutland, MD, Bruce M, Caudle A, Johnson A. The Neural Provocation Test for the Median Nerve: Evidence for Validity of Inferences. American Physical Therapy Association Combined Section Meeting, February 2010, San Diego, CA.

O'Connell DG, Hinman M, Leddy J, Silva N, Thomas D. Heart Rate Achieves Steady State During Upper Extremity Exercise Tubing Exercise. Poster presented to Cardiopulmonary Section: American Physical Therapy Association Combined Sections Meeting; February 2011. New Orleans, LA..

O'Connell DG, Case J, Raines K, Vuelvas E, Ware M, Friberg R, Hinman M. Individuals with Peripheral Neuropathies are Reliable in the Six-Minute Walk Test (6MWT). Poster presented to Neurology Section: American Physical Therapy Association Combined Sections Meeting; February 2011. New Orleans, LA. .

O'Connell DG, Raines K, Vuelvas K, Ware M, Case J, Hinman M, Friberg R. Spatial and Temporal Gait Characteristics in Those with and without Peripheral Neuropathies during repeated Six-Minute Walk Tests (6MWT). Poster presented to Neurology Section: American Physical Therapy Association Combined Sections Meeting; February 2011. New Orleans, LA. .

O'Connell DG, Hinman M. The effects of vocal disinhibition (Grunting) on serve and forehand velocities and forces in collegiate tennis players. Poster presented to Research Section: American Physical Therapy Association Annual Meeting; June 2010. Baltimore, MD.

O'Connell DG, FraserJD, Lane JC, Hnizdor DN. Development of an accurate, inexpensive posture analysis system for the physical therapy clinic. Poster presented to Research Section : American Physical Therapy Association (APTA) Annual Meeting, February 2010. San Diego, CA..

O'Connell DG, FraserJD, Lane JC, Hnizdor DN. Standing lateral posture can be accurately reproduced. Poster presented to Research Section: American Physical Therapy Association (APTA) Annual Meeting, February 2010. San Diego, CA..

O'Connell DG, Shaw D, Norman J. Physical Examination of Heart, Lungs, and Abdomen, Workshop (3.0 CEU) presented to Home Health Section of the American Physical Therapy Association (APTA) Combined Sections Meeting; February 2010, San Diego, CA.

O'Connell DG, Walker A, Baker E O'Connell JK. Differences in palpation accuracy in 1<sup>st</sup> year and 2<sup>nd</sup> year DPT students and experienced physical therapists. American Physical Therapy Association Combined Sections Meeting, February 2007. Nashville, TN.

O'Connell DG, Baker EK, Walker AK, O'Connell JK. Palpation Skills in Entry-level DPT Students and Practicing Clinicians. APTA Combined Sections Meeting. February 2008. Nashville, TN.

O'Connell JK, Hinman MR, Johnson K, Schultheiss L, Witte B, Zimmerman, M, Garrett ML. Benefits of Group Exercise on Adults with Intellectual Disabilities Living in Group Homes. APTA Combined Sections Meeting, Chicago, IL, 2012.

O'Connell JK, Rutland, MD Warminski RA, Massey SL, Chambers SE. Building Trust: Attributes Related to the Physical Therapist-Patient Relationship. American Physical Therapy Association Combined Section Meeting, February 2010. San Diego, CA.

O'Connell JK, Hinman MR, Johnson K, Schultheiss L, Witte B, Zimmerman, M, Garrett ML. Benefits of Group Exercise on Adults with Intellectual Disabilities Living in Group Homes. APTA Combined Sections Meeting, February 2012. Chicago, IL,

Rutland MD, O'Connell JK. Fisher LR, Harrison JL. Abdominal and Hip Strength as Predictors of Lower Extremity Injuries in Collegiate Athletes. APTA Combined Sections Meeting. New Orleans, LA. 2011.

Rutland MD, O'Connell DG, Fadal C, York G, Richards T. The Effects of Head Position on Muscular Strength and Recruitment of Spinal Stabilizers during the Isometric Squat. American Physical Therapy Association (APTA) Combined Sections Meeting; New Orleans, LA. February 2011.

Rutland M, Jones T, Murphree B, O'Connell DG. Brief Isometric Hip Adduction Exercise Facilitates Vastus Medialis Oblique (VMO) Recruitment. Poster presentation to Orthopedic Section: American Physical Therapy Association Meeting, June 2008, San Antonio, TX.

Rutland MD, Palmer L, Zimmerman T. Recruitment of Core Musculature During Three Variations of Abdominal Stabilization Exercises. American Physical Therapy Association (APTA) Annual Meeting, June 2012, Tampa Bay, FL.

Rutland MD, Palmer P, Schofield L, Dudensing A, Copeland T. Recruitment of the Transverse Abdominis, Internal Oblique, and Lumbar Multifidus During Core Strengthening Exercises using Rehabilitative Ultrasound Imaging. American Physical Therapy Association (APTA) Annual Meeting, June 2012, Tampa Bay, FL.

Rutland, MD. The Good, the Bad, and the Ugly Functional Exercises. March 2012, Camarillo, CA

Rutland MD, O'Connell JK, Fisher LR, Harrison JL. *Abdominals and Hip Abductor Strength as Predictors of Lower Extremity Injuries in Female Collegiate Athletes (poster)*. American Physical Therapy Association Combined Section Meeting, February 2012, New Orleans, LA.

Rutland, MD. Evidence Supported Overuse Injuries of the Upper and Lower Extremities , Motivations, July 2010, Columbia South Carolina.

Rutland, MD, O'Connell JK, Fisher L, Harrison J. The Pre-Season Screen: Tools to Identify Risk Factors for Lower Extremity Injury in Female Collegiate Athletes. American Physical Therapy Association (APTA) Annual Conference, June 2009; Baltimore, MA.

Rutland, MD. Evidence-supported Practice for Prevention and Treatment of Tendinopathies. June 2008, APTA Annual Convention, San Antonio, TX.

Rutland, MD, Friberg R, O'Connell D, Jones T, Leach M, Murphee B. Brief Isometric Hip Adduction Exercise Facilitates Vastus Medialis Oblique(VMO) Recruitment (poster). American Physical Therapy Association (APTA) Annual Conference, June 2008, San Antonio, TX.

Rutland, MD. Evidence Supported Management and Prevention of Chronic Tendinopathy; March 2008, Trinity Healthforce Learning(TFL) online course.

Siefert J, Gahimer J, Domholdt E, Hinman M: Outcomes of a Physical Activity Service Learning Program Involving Students and Older Adults in a Technical College Setting. American Physical Therapy Association (APTA) Exercise and Physical Activity in Aging Conference, Indianapolis, IN, 2010.

Wilson, E, Rutland MD. Immediate and Short-Term Effects of Grassroots Training on Clinical Instructors' Attitudes in Performing and Supervising Thrust Joint Manipulations at the Spine Following One Day of Training. AAOMPT Annual Conference, October 2009; Washington, DC,

### **State Peer-Reviewed Presentations:**

Brewer JF, O'Connell JK, Cooper DC, Dennis JA, Hutton JJ. Differences in leadership characteristics among Texas physical therapists. Texas Physical Therapy Association (TPTA) Annual Conference Meeting, Woodlands, TX, 2011.

Brewer JF, Leadership capacity. Texas Physical Therapy Association (TPTA) Annual Conference Meeting, Arlington, TX, 2010.

Brewer JF, Garrett ML, Myers, J, *Preparing graduates for leadership roles and best practice* (presentation). Texas Physical Therapy Faculty Summit (3<sup>rd</sup> Annual), Dallas, TX, 2009.

Brewer JF, Hinman M, Nedrow MK, Spiller CE., The effects of deep oscillation on adults with spasticity. Texas Physical Therapy Association (TPTA) Annual Conference Meeting, Galveston, TX, 2007.

Garret ML, Hinman MR, Curry T, Jowers C: The effects of whole-body vibration on spasticity in children with cerebral palsy: case reports. TPTA Annual Conference, Galveston, TX, 2007

Hinman MR. Whole-body Vibration: Clinical Applications and Evidence. Presented at the Texas Physical Therapy Association (TPTA) Annual Conference in The Woodlands, TX; CEU-approved (0.3) by the TPTA (Oct. 2011)

Hinman MR. Balance Assessment in Aging Adults. Presented at Hardin-Simmons University Lunch & Learn series, Abilene, TX; May 2011)

Hinman MR, O'Connell JK. How to Build a Better Bone (osteoporosis management). Presented at the Texas Physical Therapy Association (TPTA) Annual Conference in Arlington, TX; Oct. 2010.

Hinman M, O'Connell JK. "Catch Me Before I Fall". Texas Physical Therapy Association Annual Conference. October 2010. Arlington, TX.

O'Connell DG, O'Connell JK. Exercise Adherence Survey; reliability and validity. Poster Presentation. Texas Physical Therapy Association Annual Meeting. June 2011, Houston, TX.

O'Connell JK, Hinman MR, Tadsen, MD, Sauer CR, Jones KP, Arnold BS: Predictors of fall risk in a disabled residential population. APTA Combined Sections Meeting, San Diego, CA, 2010.

O'Connell JK, Hinman MR, Samaniego OR, Collins DR: Physical therapists' perceptions of spiritual care barriers. Texas Physical Therapy Association (TPTA) Annual Conference, October 2008, Lubbock, TX.

O'Connell J, Hinman M, Collins D, Samaniego O. Spiritual care interventions used by Physical Therapists. Texas Physical Therapy Association Annual Conference. October 2008, Lubbock, TX.

O'Connell JK, Rutland, MD, Harrison J, Fisher L. The Role of Dynamic Instability in Lower Extremity Injuries of Female Collegiate Athletes (poster). Texas Physical Therapy Association (TPTA) Annual Conference. October 2008, Lubbock TX.

Rutland, MD. Evidence Supported Overuse Injuries of the Upper and Lower Extremities, October 2010, TPTA Annual Conference.

Rutland, MD. Examination and Rehabilitation of Upper Extremity and Lower Extremity, sponsored by TPTA, June 2010, Dallas, TX.

Rutland, MD. Overuse Injuries of the Lower Extremity: Evaluation and Rehabilitation. Permian Basin TPTA District. April 2010, Odessa, TX.

Rutland, MD, O'Connell JK, Ellis LK, Spies LK. Assessment of the Effect of Two Stretches on the Flexibility of the Iliotibial Band (poster). Texas Physical Therapy Association (TPTA) Annual Conference, October 2010, Lubbock TX.

Rutland, MD, O'Connell JK, Fisher L, Harrison J. Abdominal Strength as a Predictor of Lower Extremity Injury in Female Collegiate Athletes. Texas Physical Therapy Association (TPTA) Annual Conference. October 2008, Lubbock, TX.

Rutland MD, O'Connell J, King S, Rosenbaum. Shoulder Abduction Endurance Test in Subjects with Shoulder Pathology. Texas Physical Therapy Association (TPTA) Annual Conference. October 2007, Galveston, TX.

Rutland, MD. Evidence Supported Management and Prevention of Chronic Tendinopathy. December 2007, TPTA-Online course.

Rutland, MD. Evidence Supported Management and Prevention of Chronic Tendinopathy. August 2007, Odessa TX.

### **Local Peer-Reviewed Presentation:**

Brewer JF, Functional Neuroanatomy and the Neuromatrix – Clinical and Biopsychosocial Implications. Hardin-Simmons University Lunch and Learn Continuing Education Course, 2011. Abilene, TX,.

Brewer JF, Neuroplasticity and implications for contemporary rehabilitation. Hardin-Simmons University Lunch and Learn Continuing Education Course, 2010. Abilene, TX,.

Brewer JF. Models of leadership and implications for the physical therapy profession. Mid-West District (MWD) of the Texas Physical Therapy Association (TPTA) Quarterly Meeting (Winter 2009), Abilene, TX,.

Brewer JF, Leadership theory: The power of informal leadership. American Heart Association, Quarterly Meeting (Winter 2009). Abilene, TX,.

Brewer JF, Managing change in today's rehabilitation services. Hendrick Health Systems, Rehabilitation Recognition Week Luncheon, 2008. Abilene, TX,.

Garrett ML. Autism and Adaptation in the Physical Environment. Lunch and Learn, Hardin-Simmons University Dept. of PT, February 2012. Abilene, TX,.

Gassler JH. Anatomy of the Hand. Hardin-Simmons University Lunch and Learn Continuing Education Course, March 2012. Abilene, TX.

Hinman MR. An Evidence-based Approach to Fall and Fracture Prevention in Older Adults. Hardin-Simmons University, sponsored by TPTA Midwest District. March 2008 Abilene, TX;

Hinman MR. Magnet Therapy: What's the Evidence? Presented at Hardin-Simmons University Lunch & Learn series, May 2007. Abilene, TX,;

Hinman MR, O'Connell JK. Balance Assessments in Older Adults. Hardin-Simmons University Lunch and Learn. May 2011. Abilene, TX.

O'Connell DG. Walking, talking, and chewing gum (1.0 CEU). Podium presentation. Texas Physical Therapy Association Midwest District. June 2012. Abilene, TX.

O'Connell DG. Clinical Examination of the Heart and Lungs (1.0 CEU). Podium presentation. HSU Lunch & Learn Series. May 2009. Abilene, TX.



O'Connell DG. Non-exercise Stress Tests (1.0 CEU). Texas Physical Therapy Association Midwest District. 2008. Abilene, TX.

Rutland, MD. Ethics and Your Professional Responsibility: What's it to you? Sponsored by TPTA Midwest District/HSU (Abilene):

- 2012: January (Abilene), September Hendrick-Abilene
- 2011: November (Odessa), January (Abilene)
- 2010: September (Hendrick-Abilene), April, (Odessa), January, (Abilene)
- 2009: April (Odessa), January, (Abilene)
- 2008: September, (Abilene), January, (Abilene)
- 2007: August (Odessa), February, (Abilene)

Rutland, MD. Functional Movement Screen, Sponsored by HSU Lunch and Learn, November 2011, Abilene TX.

Rutland, MD. Rehabilitation Documentation Guidelines, West Texas Rehab Center, May 2011, Abilene, TX.

Rutland, MD. Considerations for Safe and Effective Weight Lifting in Athletes, HSU Lunch and Learn, April 2010, Abilene, TX.

Rutland, MD. Rehabilitation Documentation Guidelines, West Texas Rehab Center, February 2010, Abilene, TX.

Rutland, MD. Hamstring Injuries/Tendinopathy: Evidence-Supported Diagnosis and Rehabilitation; Midwest District-TPTA meeting. September 2009, Abilene, TX

Rutland, MD. Rehabilitation of Chronic Tendinopathies. Sponsored by Hardin-Simmons University, October 2008. Abilene, TX.

Rutland MD, O'Connell JK. Sports Screenings: What is the Evidence? Sponsored by HSU Lunch and Learn. June 2008, Abilene TX.

Rutland, MD. Evidence Supported Management and Prevention of Chronic Tendinopathy. Hardin-Simmons University. September 2007, Abilene, TX.

### **Funded Grant Activity:**

Hinman MR. Project Consultant: *“Development of a Wearable Passive Vibration Therapy System for the Lower Extremity”* (funded for \$200,000); NIH Small Business Grants. PI: Dr. Jeff Leismer, Founder and CTO of VibeTech, Inc., 2010-11

Hinman MR. Project Consultant/Technical Advisory Committee: *“Assessment Protocol to Identify Environmental Barriers to Communication,”* NIH Small Business Grant. PI: Margaret Calkins, PhD, IDEAS Institute, 2009-10

O'Connell JK. "Proyecto Desarrollo Humano- The Human Development Project" in Penitas Texas. Mary Hill Davis Scholarship. \$5,000 funding for PT Ministries trip in 2013.

**Peer Reviewed Publications: Audio-Visual**

Rutland MD.. Eccentric Exercise Program produced by Visual Health Information (VHI): 2009-2010.

Rutland MD. Evidence Supported Management and Prevention of Chronic Tendinopathy produced by Trinity Healthforce Learning (TFL), 2008.

Rutland MD. Evidence Supported Management and Prevention of Chronic Tendinopathy: 3 hr online continuing education course offered by TPTA, 2008.