



CURRICULUM VITAE

NAME: **Jean-Michel BRISMEE, PT, ScD, OCS, FAAOMPT**
TITLE: Associate Professor
INSTITUTION: Texas Tech University Health Sciences Center
PROGRAM: Doctor of Science of Physical Therapy Program
DATE: 07-01-2010
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BIRTHDAY: 03-19-1959

PART I: CAREER INFORMATION

UNIVERSITY EDUCATION

Doctor of Science

Discipline: Physical Therapy

Doctoral Research: "Clinical Studies of the Cervical and Thoracic Spine"

Texas Tech University Health Sciences Center, Lubbock, Texas (USA) - 2003

Master of Science

Discipline: Sports Health

Master Thesis: "Lifting Capacity and Epidemiological Variables as Prognostic Indicators of Occupational Back Injury Reports in a Hospital Population: A Three-Year Follow-Up Study Involving 1,011 Hospital Employees"

Texas Tech University, Lubbock, Texas (USA) – 1996

Bachelor of Science

Major: Physical Therapy

Thesis: "A Study of the Mucociliary Clearance for Intubated and Artificially Ventilated Patients"

Catholic University of Louvain-la-Neuve (Belgium) - 1985

Bachelor of Science

Major: Physical Education

Thesis: "Descriptive and Comparative Analysis of Classical Crawl Stroke and Crawl Stroke with Fins (based on underwater motion photography)"

Catholic University of Louvain-la-Neuve (Belgium) - 1982

LICENSURE INFORMATION

License to practice Physical Therapy in the State of Texas (# 1060762) - 1990

Teaching License in Physical Education and Physical Therapy - 1982 & 1985

CERTIFICATIONS & FELLOWSHIPS

Fellow of the American Academy of Orthopaedic Manual Physical Therapists (FAAOMPT)
#FF0340 – October 2002

Certificate in Orthopedic Medicine & Manual Therapy of the Spine (IAOM) - 2000

Certificate in Orthopedic Medicine & Manual Therapy of the Extremities (IAOM) - 1999

Board-Certified Orthopedic Clinical Specialist (OCS) from the American Physical Therapy Association #2391 - 1998

Certificate of Emergency Medical Technician – 1993

Basic Cardiac Life Support Instructor - 1991 & 1994

Certificate of Assistant Swimming Instructor - 1981

Higher Qualification as a Rescuer - 1981

EMPLOYMENT & APPOINTMENTS

Associate Professor, Interim Program Director Doctor of Science in Physical Therapy Program

Fulfilling Program Director Administrative & Organizational Duties in Absence of the Program Director
Texas Tech University Health Sciences Center, Lubbock, Texas (2007 - Present)

Assistant Professor, Master and Doctorate of Science in Physical Therapy Programs

Teaching in areas of Orthopedics, Kinesiology & Electrophysiology
Texas Tech University Health Sciences Center, Lubbock, Texas (2002 - 2007)

Assistant Professor, Master in Physical Therapy Program

Teaching in areas of Orthopedics, Kinesiology & Electrophysiology
Texas Tech University Health Sciences Center, Amarillo, Texas (1997 - 2002)

Physical Therapist Consultant on Contract Basis

Outpatient Physical Medicine (Orthopedic Caseload mostly)
University Medical Center, Lubbock, Texas (2002 – present)
Northwest Texas Healthcare System, Amarillo, Texas (1998 - 2002)
Clements Unit, Amarillo, Texas (1999 - 2002)

Physical Therapist III - Clinical Coordinator

Texas Tech Sports Medicine (Outpatient)
University Medical Center, Lubbock, Texas (1996-1997)

Physical Therapist II - Clinical Instructor

Texas Tech Sports Medicine, University Medical Center (1994-1996)

Responsible for the Physical Therapy Coverage of the Swimming Events for the Games of Texas (07/24-27/1997)

Physical Therapy of the “Lubbock Ballet” (1996-1997)

Physical Therapy Consultant of High School Football Team Springlake-Earth, Texas (1993-Present)

Staff Physical Therapist - Inpatient Acute Care, Hydrotherapy & Outpatient Orthopedics
University Medical Center, Lubbock, Texas (1991-1993)

Clinical Instructor - Inpatient & Outpatient Rehabilitation
St. Mary of the Plains Hospital, Lubbock, Texas (1990-1991)

Staff Physical Therapist - Inpatient & Outpatient Rehabilitation
St. Mary of the Plains Hospital, Lubbock, Texas (1989-1991)

Director Physical Therapy - St Vincentius Hospital
Paramaribo, Suriname (1987-1989)

Staff Physical Therapist - St. Vincentius Hospital
Acute Care, Outpatient, Rehabilitation (1986-1987)

Physical Therapist of the Soccer Team Transvaal, vice-champion of Suriname 1986, and
Vice-champion 1986-87 of the Concacaf-cup (Confederation of Caribbean and Central
America Countries)

Treatment provided before, during & after Games, and in Physical Therapy Clinic
Paramaribo, Suriname (South America) - 1987-1989

Physical Therapist of the Basketball Team De Schakel, national Champion for 1988
Treatment provided before, during & after Games, and in Physical Therapy Clinic
Paramaribo, Suriname (South America) - 1987-1989

Physical Therapist of the Indoor Soccer Teams Voorwaarts & Spari on a free-lance Basis and
only in the Physical Therapy Department
Paramaribo, Suriname (South America) - 1988-1989

Coach in Sports Gymnastics for Boys (6 to 14 years of age)
Club "La Courtoise" - Court-St-Etienne (Belgium) - 1982-1983

Youth Leader at the Public Playgrounds
St-Gilles, Brussels (Belgium) - Summer 1977-Summer 1980

POST-PROFESSIONAL EDUCATION (51 Courses & Conferences)

International Academy of Orthopedic Medicine (IAOM – US)

Mechanical Diagnosis & Treatment of the

- Shoulder (06/12-15/1992)
- Elbow (03/19-22/1993)
- Wrist & Hand (05/01-03/1998)
- Hip (05/07-09/1999)
- Knee (02/02-05/1995)
- Ankle & Foot (10/01-03/1999)
- Thoracic Outlet Syndrome & Cervico Thoracic Junction (03/31-04/01/1995;
04/28-30/2000)
- Lumbar I (04/24-26/1998)
- Lumbar II (04/16-18/1999)
- Thoracic Spine & Ribs (09/15-17/2000; 03/30-04/01/2001)
- Upper Cervical Spine (10/27-29/2000)
- Cervical (08/14-16/1998; 10/29-31/1999)
- Comprehensive Cervical, Thoracic, Lumbar, and Sacral Re-Stabilization (04/21-
22/01; 10/01-02/2005)

The McKenzie Institute

Mechanical Diagnosis and Treatment of the Lumbar, Cervical & Thoracic Spine (Part A, B & C)
10/30-11/04/1991 & 02/15-17/1992

SensoriMotor Control-Oriented Rehabilitation of the Lumbar Spine and Lumbo-Pelvic Region
– P. Sizer – 11/22-23/2009

American Academy of Orthopaedic Manual Physical Therapists: 15th Annual Conference –
10/14-18/2009

Hodges - Lumbopelvic Motor Control: Advanced Clinical Assessment and Treatment of
Motor Control Dysfunction in Low Back Pelvic Pain

Teyhen - Lumbopelvic Motor Control: Moving Evidence Into Action

Hodges - Training the Brain in Back Pain: Requirements of Spinal Control, Changes in
the System with Pain, and Changing the Brain in Pain

Teyhen - Musculoskeletal Clinical Reasoning - Thin Slicing Our Way to Clinical Expertise

Kring - How Central Sensitization Becomes a Facilitated Segment

Kay & Rivard - Spinal Stabilization Training for the Lumbar and Lower Quarter Patient

Courtney - Quantitative Sensory Testing: Basic Assessment Skills for the Identification of
Impaired Pain Processing

Graston Technique Module 1 – Tom Hyde – 09/19-20/2009

American Physical Therapy Association Annual Conference and Exposition – 06/11-13/2009

Lake – Evidence for the Use of Therapeutic Ultrasound in Physical Therapy Practice

American Academy of Orthopaedic Manual Physical Therapists: 14th Annual Conference –
10/31-11/02/2008

Butler – Manipulating the brain

Deyo - Treating Chronic Back Pain: Can there be too much of a good thing?

George - How Does Manual Therapy Inhibit Pain?

Sevier - Emerging Evidence in the Evaluation and Treatment of Painful Degenerative
Tendinopathies

Allen - Atypical patterns of Pain: Pathophysiological origins of newly discovered pain
symptom Distributions that differ from traditionally understood anatomical patterns.

Deyle, Garber - Physical Therapy Interventions for Knee Osteoarthritis: A Manual
Therapist Perspective

Stagge - Beyond the Slump Test: Differential Diagnosis and Treatment of Orthopedic
Patients with Lower Extremity Neurogenic pain Syndromes.

American Physical Therapy Association Annual Conference and Exposition – 06/11-14/2008

Biederman – Radiological Assessment of Low Back Pain: Adding a New Dimension to
Your Practice

Ellenbecker & Manske – Postsurgical Rehabilitation for Shoulder and Elbow Pathology

Kulig, Beneck, Flanagan, Poppert – Biomechanical and Motor Control Considerations in
the Development of Exercise Interventions for the Management of Low Back Disorders:
Experimental and Clinical Trial

Crosier – Committee on Clinical Residency & Fellowship Program Credentialing

Spinal Manipulation: Fifth Annual Update for Physical Therapists, Osteopathic Physicians and Medical Doctors

P. Gibbons, P. Tehan and D. Johnson - Course 2 - 03/06-07/2008

P. Gibbons, P. Tehan and D. Johnson - Course 3 - 03/08-09/2008

American Academy of Orthopaedic Manual Physical Therapists: 13th Annual Conference – 10/19-20/2007

Rocabado - Painful Craniocervical and Craniomandibular Pathology in the Child and Adolescent

Sterling - Diagnosis and classification of whiplash: is the prevention of chronicity possible?

Rocabado - Orthopaedic Manual Therapy in Synovial Temporomandibular Joint Disc Pathology

Landel - Cervicogenic Headaches

Paris - Upper Cervical Spine Joint Examination and Manipulation: The Utilization of a Video fluoroscopic Teaching Instrument to Visualize the Functional Biomechanics for the Application of Passive Inter-vertebral Motion Testing, Joint Specific Impairment Identification, Clinical Decision Making, and Non-Thrust Joint Manipulation Intervention

Teyhen - Assessment and Training of the Deep Neck Musculature

Muscle Pain – Th. Graven-Nielsen – IAOM – Europe Symposium - 10/06/2007

Update: Motor Control – A. Taube – IAOM – Europe Symposium – 10/06/2007

Texas Tech University Health Sciences Center – Investigator Training: Conducting Responsible Human Research – 02/15/2006

Texas Tech University Health Sciences Center – School of Allied Health Sciences – Faculty Enrichment Seminar – 01/09/2006

American Academy of Orthopaedic Manual Physical Therapists: 11th Annual Conference – 10/14-16/2005

Gull - The Diagnosis and Management of Headaches

Pettman - Teaching Manipulation

Post Graduate Training: Updates on New Research, Treatment, and Testing Considerations for Consistency in Instruction – 07/20-21/2003

Motor Program, Motor Learning, and Orthopedic Physical Therapy – 05/13/2003

American Academy of Orthopaedic Manual Physical Therapists: 8th Annual Conference: Assessment, Mobilization and Manipulations of the Cervical Spine Using Biomechanics as the Common Denominator – 10/01-03/2002

An Intensive Training on Trigger Point & Myofascial - Proprioceptive Therapy – 03/01-03/2002

Interpreting Diagnostic Images for PT Practice – 01/08/2002

Introduction to Spinal Evaluation and Treatment: The Paris Approach – 03/09/1999

Clinical Management of Temporomandibular disorders – 02/12/1999

Postural Restoration - An Integrated Approach to Treatment of Upper Half Musculoskeletal and Respiratory Dysfunction - 06/27-28/1998

A New Approach to Treating Patellofemoral Pain - 04/18-19/1998

Current Concepts: a Review of Advanced Orthopedic Clinical Practice - 11/08-12/1997

The Cervical Spine Complex - 07/14/1996

McConnell Approach to the Problem Shoulder - 04/27-28/1996

Unloading and Target Tissue Training - 11/1995

Sports Medicine Conference - 02/25/1995

Basic Course: Locomotor Biomechanics and Applied Orthotic Therapy - 11/18-20/1994

Basic Course for Clinical Instructors - 10/28-29/1994

Emergency Medical Services Update 1994 - 09/17-18/1994

Cervical & Thoracic Spine: Evaluation, Mobilization and Stabilization - 06/06-08/1994

Lumbo-Pelvic Evaluation, Mobilization and Stabilization - 10/23-24/1993

Cramer Athletic Trainer Workshop - 07/1992

Evaluation & Treatment of Chronic Shoulder Dysfunction & Anterior Knee Pain - 09/1991

Exercise Therapy for Parkinson's Patients and Their Caregivers - 05/09/1991

PNF in the Treatment of the CVA Patient - 04/16/1991

Basic EKG Interpretation Course - 11/07/1990

The Cyriax Approach to Lumbar Mechanical Derangement - 10/16/1990

Basic Mobilization Course (John Mennell) - 03/14-18/1990

NDT Workshop, Lubbock, Texas - 02/10/1990

Sports Medicine - Exercise Physiology updated Course (1 week), Suriname – 1988

Training in Electrotherapy (1 week), St-Luc University Hospital – 1988

Certification in Pre- and Post-Natal Physical Therapy (60 hours course)

Diakonessen Hospital, Suriname – 1988

Training in Maternity-Obstetrics (3 weeks), St-Luc University Hospital – 1984

As scheduled within studies program (1983-1984), 6 months training period at:

- St-Luc University Hospital (Brussels):
 - Respiratory Physical Therapy in ICU (polytraumatic and coronary sections) including bronchial washing, weaning of the respirator, extubation, aerosol therapy and respiratory rehabilitation
 - Orthopedic Physical Therapy in Rehabilitation Center (lower limb amputees, prosthetic training, para and tetraplegics)
 - Outpatient Neurological Physical Therapy (essentially treatment of hemiplegics following the NDT approach)
 - Outpatient Orthopedic Physical Therapy
- Mont-Godinne University Hospital (Mont-Godinne):
 - Respiratory Physical Therapy of chronic bronchopathics: bronchial asthma, chronic bronchitis, pulmonary emphysema, bronchiectasis, pneumoconiosis, and tuberculosis
- Marine Preventorium of Coq-sur-Mer (Belgian Coast):
 - Respiratory Physical Therapy for asthmatic, bronchitic and cystic-fibrotic children (programs adapted for children including technique of autogenous drainage for bronchial cleaning)

MEMBERSHIP

European Science Foundation – Member of Pool of Referees (2010 – 2012)
Graduate Faculty – Graduate Council of Texas Tech University Health Sciences Center (2006 - Present)
Alpha Eta Society – Texas Tech University Health Sciences Center – School of Allied Health Sciences (2004 – present)
American Physical Therapy Association - Orthopedic Chapter (1994 - Present)
Texas Physical Therapy Association (1992 - Present)
International Academy of Orthopedic Medicine - IAOM (1998 – Present)
American Academy of Orthopaedic Manual Physical Therapists - AAOMPT (1998 – Present)
United States Swimming Sports Medicine Society (1998 - 2004)

HONORS AND AWARDS

Co- Author of the International Society for the Study of the Lumbar Spine (ISSLS) “**Young Investigator Award**”. From Spine – July 2007. Titles of Research Manuscripts:

Gilbert KK, **Brismée JM**, Collins D, James CR, Shah RV, Sawyer SF, Sizer PS. Lumbosacral Nerve Root Displacement and Strain: Part 1- A Novel Measurement Technique During Straight Leg Raise in Unembalmed Cadavers. *Spine*, 2007; 32(14):1513-1520.

Gilbert KK, **Brismée JM**, Collins D, James CR, Shah RV, Sawyer SF, Sizer PS. Lumbosacral Nerve Root Displacement and Strain: Part 2- A Comparison of Two Straight Leg Raise Conditions in Unembalmed Cadavers. *Spine*, 2007; 32(14):1521-1525.

Recipient of the 2002 "**The Ball Dynamics Award**" For Excellence in a Published Case Study from the Journal of Manual and Manipulative Therapy for the following peer reviewed article:

Sizer P, Phelps V, **Brismée JM**. Diagnosis and management of cervicogenic headache and local cervical syndrome with multiple pain generators. *J Man Manip Ther*. 2002; 10(3):136-52.

Fellow of the American Academy of Orthopaedic Manual Physical Therapists – October 2002

Outstanding Clinical Instructor Award for the State of Texas, Dallas, Texas - November 1995

Employee of the Month for University Medical Center, Lubbock, Texas - August 1993

PART II: SCHOLARSHIP

PEER REVIEWED JOURNAL PUBLICATIONS (36 Published, 1 In-Press, 1-Accepted for Publication, 13-Submitted)

Simmerman SM, Sizer PS, Dedrick GS, Apte GG, **Brismée JM***. Immediate Changes in Spinal Height and Pain Following Aquatic Vertical Traction in Patients With Persistent Low Back Symptoms: A Randomized Clinical Trial. *Physical Medicine and Rehabilitation*. 2010; Submitted.

Dedrick GS, Sizer PS, Sawyer BG, **Brismée JM**, Smith MP*. An immunohistochemical and histological study of human costovertebral joints – A preliminary investigation. *Clinical Anatomy*. 2010; Submitted.

Domenech MA*, Sizer PS, Dedrick GS, McGalliard MK, **Brismée JM**. The Deep Neck Flexor Endurance Test: Normative Data Scores in Healthy Adults. *Physical Therapy*. 2010; Submitted.

Poulsen DR, Alexander KL, **Brismée JM**, James CR. Effects of Cognitive Apprenticeship Instruction on the Reliability and Validity of Student Physical Therapist Visual Observational Assessment of Patient's with Osteoarthritis: A Randomized Controlled Trial. *Journal of Physical Therapy Education*. 2010; Submitted.

White CE, Dedrick GS, Apte GG, Sizer PS, **Brismée JM***. The Effect of Isometric Shoulder Internal and External Rotation on the Acromioclavicular Interval. *Journal of Orthopaedic and Sports Physical Therapy*. 2010; Submitted.

Gerke DA, **Brismée JM***, Sizer PS, Dedrick GS, James CR. Change In Spine Height Measurements Following Sustained Mid-Range And End-Range Flexion Of The Lumbar Spine. *Applied Ergonomics*. 2009; Submitted.

Moss R, **Brismée JM**, James R, Sawyer S, Sizer PS. Comparison of a Conventional Patellofemoral Joint Exercise Program Versus a Manual Therapy Approach for Managing Atypical Anterior Knee Pain: A Prospective, Single-Subject Clinical Trial. *Journal of Manual and Manipulative Therapy*. 2009; Submitted.

Rogers TJ*, James CR, **Brismée JM**, Sizer PS. The Influence of Educational Messages on the Perceived Importance of Stretching: Exploring the Relationship between Perceptions and Human Performance. *Human Movement Science*. 2009; Submitted.

Rogers TJ*, James CR, **Brismée JM**, Sizer PS. The Influence of Pre-exercise Stretching on Measures of Neuromuscular Control. *Human Movement Science*. 2009; Submitted.

Pennell PN, Owens SC, **Brismée JM***, Dedrick GS, James CR, Sizer PS. Inter-Tester And Intra-Tester Reliability Of The Stadiometer To Measure Changes In Spinal Height. *Journal of Applied Biomechanics*. 2009; Submitted.

Bruce J, Smitherman TB, **Brismée JM**, Sizer PS, James CR*. Clinical Outcomes and Gait Assessment of Patients With Knee Osteoarthritis Following Total Knee Arthroplasty Using the Triathlon Prosthesis: A Clinical Control Trial. *Clinical Biomechanics*. 2009; Submitted.

Jonely H, **Brismée JM**, Sizer PS, James CR*. Relationships Between Clinical Measures of Static Foot Posture and Plantar Pressure During Static Standing and Walking. *Clinical Biomechanics* 2009; Submitted.

- Brismée JM***, Randle CB, McAlister MH, Parker WK, Sawyer SF. In Vitro Evaluation of Temperature Changes Produced by Different Brands of Newly Calibrated Therapeutic Ultrasound Devices. *Journal of Athletic Training*. 2009; Submitted.
- Rutland M, O'Connell D, **Brismée JM**, Sizer P, Apte G. Clinical Commentary: Evidence – Supported Rehabilitation of Patellar Tendinopathy. *North American Journal of Sports Physical Therapy*. 2010; Accepted for Publication.
- Chyu MC, James CR, Sawyer SF, **Brismée JM**, Xu KT, Poklikuha G, Dunn DM, Shen CL*. Effects of Tai Chi Exercise on Posturography, Gait, Physical Function, and Quality of Life in Postmenopausal Osteopenic Women. *Clinical Rehabilitation*. 2009; Accepted for Publication.
- Hooper TL, Denton J, McGalliard MK, **Brismée JM**, Sizer PS*. Thoracic Outlet Syndrome: a Controversial Clinical Condition. Part 1: Anatomy, and Clinical Examination/Diagnosis. *Journal of Manual and Manipulative Therapy*. 2010; 18(2):74-83.
- McGalliard MK*, Dedrick GS, **Brismée JM**, Cook CE, Apte GG, Sizer PS. Changes in Transversus Abdominis Thickness With Use of the Abdominal Drawing-in Maneuver During a Functional Task. *Physical Medicine and Rehabilitation*. 2010; 2(3):187-194.
- Cook CE*, **Brismée JM**, Pietrobon R, Sizer PS, Hegedus E, Riddle DL. Development of a Quality Checklist Using Delphi Methods for Prescriptive Clinical Prediction Rules: the QUADCPR. *Journal of Manipulative and Physiological Therapeutics*. 2010; 33(1):29-41.
- Brismée JM***, Smith TM, Sizer PS, Sawyer SF. Cyclists - ulnar nerve and double crush. *Clinical Journal of Sport Medicine*. 2010; 20(1):author reply 70-71.
- Cook CE*, **Brismée JM**, Courtney CA, Hancock MJ, May S. Clinimetrics Corner: Publishing a Scientific Manuscript on Manual Therapy. *Journal of Manual and Manipulative Therapy*. 2009; 17(3):141-147.
- Owens SC, **Brismée JM***, Pennell PN, Dedrick GS, Sizer PS, James CR. Changes In Spinal Height Following Sustained Lumbar Flexion And Extension Postures: A Clinical Measure of Intervertebral Disc Hydration Using Stadiometry. *Journal of Manipulative and Physiological Therapeutics*. 2009; 32(5):358-63.
- Brismée JM**, Sizer PS*, Dedrick GS, Sawyer BG, Smith MP. Immunohistochemical And Histological Study Of Human Uncovertebral Joints: A Preliminary Investigation. *Spine* 2009; 34(12):1257-63.
- Lewis NL, **Brismée JM***, James CR, Sizer PS, Sawyer SF. The Effect of Stretching on Muscle Responses and Postural Sway Responses during Computerized Dynamic Posturography in Women and Men. *Archives of Physical Medicine and Rehabilitation*. 2009; 90(3):454-62.
- Brismée JM***, Sizer P. Potential Pitfalls of Clinical Prediction Rules. *Journal of Manual and Manipulative Therapy*. 2008;16(3):182.
- Goode A, Hegedus EJ, Sizer PS, **Brismée JM**, Linberg A, Cook CE*. Three-Dimensional Movements Of The Sacroiliac Joint: A Systematic Review Of The Literature and Assessment of Clinical Utility. *Journal of Manual and Manipulative Therapy*. 2008;16(1):25-38.
- Shen CL*, James CR, Chyu MC, Bixby WR, **Brismée JM**, Zumwalt MA, Poklikuha G. Effects of Tai Chi on Gait Kinematics, Physical Function, and Pain in Elderly with Knee Osteoarthritis - a Pilot Study. *American Journal of Chinese Medicine*. 2008;36(2):219-232.

Poorbaugh K, **Brismée JM**, Phelps V, Sizer PS Jr*. Late Whiplash Syndrome: A Clinical Science Approach To Evidence-Based Diagnosis And Management. *Pain Practice*. 2008;8(1):65-87.

Smith TM, Sawyer SF, Sizer PS, **Brismée JM***. The Double Crush Syndrome: A Common Occurrence In Cyclists With Ulnar Nerve Neuropathy – A Case-Control Study. *Clinical Journal of Sport Medicine*. 2008;18(1):55-61.

Dedrick GS*, Sizer PS, Merkle JN, Hounshell TR, McComb-Robert JJR, Sawyer SF, **Brismée JM**, James CR. Effect of Sex Hormones on Neuromuscular Control Patterns During Landing. *Journal of Electromyography and Kinesiology*. 2008;18:68-78.

Brismée JM, Paige RL, Chyu, MC, Boatright JD, Hagar JM, McCaleb JA, Quintela MM, Feng, D, Xu KT, Shen CL*. Effects of Tai Chi for Knee Osteoarthritis Were Not Sustained After Detraining. *Focus on Alternative and Complementary Therapies*. 2007;12(4):281-283.

McGaugh JM*, **Brismée JM**, Dedrick G, Jones E, Sizer PS. Comparing The Anatomical Consistency Of The Posterior Superior Iliac Spine To The Iliac Crest As Reference Landmarks For The Lumbopelvic Spine: A Retrospective Radiological Study. *Clinical Anatomy*. 2007; 20(7):819-25.

Cook C*, Sizer PS, **Brismée JM**, Showalter C, Huijbregts P. Does Evidence Support the Existence of Lumbar Spine Coupled Motion? A Critical Review of the Literature. *Journal of Orthopaedic & Sports Physical Therapy* 2007; 37(7):412; author reply 412-3.

Sizer PS*, **Brismée JM**, Cook C. Coupling Behavior Of The Thoracic Spine: A Systematic Review Of The Literature. *Journal of Manipulative and Physiological Therapeutics*, 2007; 30(5):390-399.

Gilbert KK*, **Brismée JM**, Collins D, James CR, Shah RV, Sawyer SF, Sizer PS. Lumbosacral Nerve Root Displacement and Strain: Part 1- A Novel Measurement Technique During Straight Leg Raise in Unembalmed Cadavers. *Spine*, 2007; 32(14):1513-1520. **(Young Investigator Award Winner-2006)**

Gilbert KK*, **Brismée JM**, Collins D, James CR, Shah RV, Sawyer SF, Sizer PS. Lumbosacral Nerve Root Displacement and Strain: Part 2- A Comparison of Two Straight Leg Raise Conditions in Unembalmed Cadavers. *Spine*, 2007; 32(14):1521-1525. **(Young Investigator Award Winner-2006)**

Sizer PS Jr*, **Brismée JM**, Cook C. Medical Screening for Red Flags in the Diagnosis and Management of Musculoskeletal Spine Pain. *Pain Practice*. 2007; 7(1):53-71.

Brismée JM, Paige RL, Chyu M, Boatright JD, Hagar JM, McCaleb JA, Quintela MM, Feng D, Shen CL*. Group and Home-Based Tai Chi in Elderly Subjects with Knee Osteoarthritis: A Randomized Controlled Trial. *Clinical Rehabilitation*, 2007; 21:99-111.

Brismée JM*, Gipson D, Ivie D, Lopez A, Matthijs O, Moore M, Phelps V, Sawyer S, Sizer P. Interrater Reliability of a Passive Physiological Intervertebral Motion Test in the Mid-Thoracic Spine. *Journal of Manipulative and Physiological Therapeutics* 2006; 29(5):368-73.

Cook C*, **Brismée JM**, Sizer PS. Subjective and objective descriptors of clinical lumbar spine instability: a Delphi study. *Manual Therapy*. 2006; 11(1):11-21.

Brismée JM*, Atwood K, Fain M, Hodges J, Sperle A, Swaney M, Phelps V, Van Paridon D, Matthijs O, Sizer P. Interrater Reliability of Palpation of Three-Dimensional Segmental Motion of the Lumbar Spine. *Journal of Manual & Manipulative Therapy*, 2005; 13(4):216-221.

Cook C*, **Brismée JM**, Sizer PS, Fleming R. Identifiers Suggestive of Clinical Cervical Spine Instability: A Delphi Study of Physical Therapists. *Physical Therapy*, 2005, 85(9):895-906

Cook C*, **Brismée JM**, Sizer P. Factors associated with physiotherapist's confidence during assessment of clinical cervical and lumbar spine instability. *Physiotherapy Research International* 2005;10(2):59-71

Brismée JM*, Gilbert KK, Sizer PS, Isom K, Hall R, Leathers B, Sheppard N, Sawyer S. The Rate of False Positive Using the Cyriax Release Test for Thoracic Outlet Syndrome in an Asymptomatic Population. *Journal of Manual & Manipulative Therapy* 2004; 12(2):73-81

Brismée JM*, Sizer PS, Phelps V. Differential Diagnosis and Treatment of Chronic Neck and Upper Trapezius Pain and Upper Extremity Paresthesia: A Case Study Involving the Management of an Elevated First Rib and Uncovertebral Joint Dysfunction. *Journal of Manual & Manipulative Therapy*, 2005; 13(2):79-90

Cook C*, **Brismée JM**, Sizer P. Psychosocial variables associated with back pain in the elderly: A retrospective analysis. *Journal of Geriatric Physical Therapy* 2004; 27(3):75-81

Sizer P*, Phelps V, **Brismée JM**, Cook C, Dedrick L. Ergonomic pain part 2: Differential diagnosis and management considerations. *Pain Practice* 2004; 4(2):136-162.

Sizer P*, **Brismée JM**, Cook C, Dedrick L, Phelps V. Ergonomic pain, part 1: Etiology, epidemiology & prevention. *Pain Practice* 2004; 4:41-52.

Brismée J*, Sawyer S, Latman N, Warring B, Willis C, Artho P. Letter to the Editor: Author Response. Ultrasound Device Calibration. *Physical Therapy*. 82(11),1144-1146, 2002

Sizer P*, Phelps V, **Brismée J**. Diagnosis and Management of Cervicogenic Headache and Local Cervical Syndrome with Multiple Pain Generators. *Journal of Manual & Manipulative Therapy*, 10(3),136-152, 2002

Brismée J*, Latman N, Artho P, Sawyer S. Letter to the Editor: Measurement Accuracy. *Physical Therapy*. 82(6),616-618, 2002

Artho P, Thyne J, Warring B, Willis C, **Brismée J***, Latman N. A Calibration Study of Therapeutic Ultrasound Units. *Physical Therapy*. 82(3), 257-263, 2002

Sizer P*, Phelps V, **Brismée J**. Differential Diagnosis of Local Cervical Syndrome as Compared to Cervico-Brachial Syndrome. *Pain Practice*. 1(1), 21-35, 2001

PUBLISHED ABSTRACTS IN PEER-REVIEWED JOURNALS (24 total)

Gerke DA, **Brismée JM**, Sizer PS, Dedrick G, James CR. Change in Spine Height Measurements Following Sustained Mid-Range and End-Range Flexion of the Lumbar Spine as a Measure of Intervertebral Disc Hydration. *Journal of Orthopaedic and Sports Physical Therapy*. 2010;40(1):A74.

Shen CL, Chyu MC, Phisitkul S, **Brismée JM**, Xu KT, Lo DD, Prabhakar S. Short-term modified Tai Chi exercise improves quality of life in hemodialysis patients. *Medicine & Science in Sports & Exercise*. 2009;41 (5):S225.

Smith MP, Myren RL, Wood AT, Dedrick G, Sizer PS, **Brismée JM**, Sawyer BG. An Immunohistochemical Study of Human Thoracic Intervertebral Discs. *Experimental Biology*. Abstract #3117, 2009.

Phisitkul S, Shen CL, Chyu MC, **Brismée JM**, Dagda R, Thompson E, Xu KT, Prabhakar S. Intradialytic Modified Tai Chi Exercise Improves Balance in Hemodialysis Patients. *American Journal of Kidney Diseases*. 2009; 53 (4), B61.

Owens SC, **Brismée JM**, Dedrick GS, Sizer PS, Pennell PN, James CR. Changes in stadiometric trunk height measurements following sustained lumbar flexion and extension postures. *Journal of Manual & Manipulative Therapy*. 2008;16:166.

Pennell PN, Sizer PS, Owens SC, **Brismée JM**, Dedrick GS, James CR. Inter-tester and intra-tester reliability of measuring spinal height changes using a stadiometer. *Journal of Manual & Manipulative Therapy*. 2008;16:166.

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Gilbert KK, **Brismée JM**, Brown A, Driver E, Manning D, McKandles K, Uresti C, Sizer PS
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Sizer P, **Brismée J**, Gilbert K, Sawyer S, Call D, Branscum S, Finger E, Maness J, Redman
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the Menstrual Cycle on Anterior Cruciate Ligament Injuries in Women as Determined by Hormone Levels. *Am J Sports Med.* 30(2),182-188,2002
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BOOKS, BOOK CHAPTERS, MONOGRAPHS

Book (2 total)

Sizer P, Phelps V, **Brismée JM**, Van Paridon D, Matthijs O. *Diagnosis-Specific Orthopedic Management of the Hip Complex.* Orthopedic Physical Therapy Products, Minneapolis, 2007.

Brismée JM, Phelps V, Sizer PS, Matthijs O, Van Paridon D. *Diagnosis-Specific Orthopedic Management of the Knee.* Orthopedic Physical Therapy Products, Minneapolis, 2010.

Electronic Educational Publications (Digital Video Discs) (12 total)

Sizer PS, **Brismée JM**, Phelps V, Dedrick G. *Diagnosis-Specific Orthopedic Management of the Shoulder Complex*; Educational Resources from the International Academy of Orthopaedic Medicine – Orthopedic Physical Therapy Products, Minneapolis, 2005 (#441 DVD)

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Resources from the International Academy of Orthopaedic Medicine – Orthopedic Physical Therapy Products, Minneapolis, 2005 (#442 DVD)

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Dedrick G, Sizer PS, **Brismée JM**, Phelps V. *Diagnosis-Specific Orthopedic Management of the Elbow Complex*. Educational Resources from the International Academy of Orthopaedic Medicine – Orthopedic Physical Therapy Products, Minneapolis, 2006 (#451 DVD).

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- Brismée JM.** *“Viscosupplementation (Synvisc) in the Treatment of Osteoarthritis of the Knee – a Literature Review”*
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in IAOM-US Quarterly, 30(2), 8-9, 2000

SCIENTIFIC AND PROFESSIONAL PRESENTATIONS

Platform Presentations (26 total)

Annual AAOMPT Conference 2010

Vaught MS, Dedrick GS, Sizer PS, Sawyer FS, **Brismée JM.** *“Association of Thoracic Outlet Syndrome Provocation Tests and First Rib Dysfunction in Subjects with Carpal Tunnel Syndrome.”*
San Antonio, TX, 10/16/2010 (accepted)

Annual AAOMPT Conference 2008

Pennell PN, Sizer PS, Owens SC, **Brismée JM**, Dedrick GS, James CR. *“Inter-Tester And Intra-Tester Reliability Of Measuring Spinal Height Changes Using A Stadiometer.”*
Seattle, WA, 11/02/2008

Annual AAOMPT Conference 2008

Owens SC, **Brismée JM**, Dedrick GS, Sizer PS, Pennell PN, James CR. *“Changes In Stadiometric Trunk Height Measurements Following Sustained Lumbar Flexion And Extension Postures.”*
Seattle, WA, 11/02/2008

Annual AAOMPT Conference 2007

Moss R, Sizer PS, **Brismée JM**, James R, Sawyer SF. *“Comparison Of A Conventional Patellofemoral Joint Exercise Program Versus A Manual Therapy Approach For Managing Atypical Anterior Knee Pain: A Prospective, Single-Subject Clinical Trial.”*
St Louis, MO, 10/21/2007.

Annual AAOMPT Conference 2006

Smith TM, **Brismée JM**, Dedrick GS, Sawyer SF, Sizer PS. *“The double crush syndrome: A common occurrence in cyclists with symptoms of ulnar nerve neuropathy.”*
Charlotte, North Carolina, 10/21/2006.

Annual AAOMPT Conference 2006

McGaugh J, Sizer PS, **Brismée JM**, Dedrick GS. *"Comparing the anatomical accuracy of the posterior superior iliac spine to the iliac crest as a reference landmark for vertebral location in the lumbar spine: A retrospective radiographic study."*
Charlotte, North Carolina, 10/21/2006.

53rd Annual Meeting ACSM (American College of Sports Medicine)

James CR, Shen CL, Chyu M, **Brismée JM**, Zumwalt M, Bixby WR, Paige RL, Poklikuha G, Thompson E. *"Effects Of A Six-Week Tai Chi Exercise Intervention On Gait Kinematics In Knee Osteoarthritic Individuals."*
Denver, Colorado – 06/01/2006

Annual Texas Physical Therapy Association Conference - 2005

Dedrick GS, Sizer PS, Merkle JN, Hounshell TR, McComb-Robert JJR, Sawyer SF, **Brismée JM**, James CR. *"Effect of Sex Hormones on Motor Control Strategy in Landing: A Kinematic and EMG Study."*
Houston, Texas - 10/21/2005

52nd Annual Meeting ACSM (American College of Sports Medicine)

James CR, King TK, Smith MP, Sizer PS, Munger L, **Brismée JM**. *"Relationships Between Static Anatomical Structural Characteristics And Dynamic Knee Valgus During The Landing Phase Of A Drop Jump"*
Nashville, Tennessee – 06/02/2005

Brismée JM, Atwood K, Fain MP, Hodges JA, Sperle AL, Swaney ME. *"Interrater Reliability of Palpation of Three-Dimensional Segmental Motion of the Lumbar Spine."*
Texas Tech University Health Sciences Center, Lubbock, Texas - 12/09/04.

Boatright J, Hagar M, McCaleb J, Quintela M, **Brismée JM**, Shen CL, Chyu M, Paige R. *"A Comparison of Tai Chi Exercise vs. Attention Control Group on Pain, Range of Motion, and Physical Functioning in An Elderly Population with Osteoarthritis of the Knee: A Prospective Randomized Controlled Trial."*
Texas Tech University Health Sciences Center, Lubbock, Texas - 12/09/04.

Annual AAOMPT Conference 2004

Gilbert KK; **Brismée JM**; Collins D; James CR; Shah R; Dedrick G; Sawyer SF; Sizer PS *"Lumbosacral Nerve Root Mobility Within The Lateral Recess And Strain During Distally Initiated Straight Leg Raise Neural Tension Testing: A Fresh Cadaveric Study"*.
Louisville, Kentucky, 10/24/04

Annual AAOMPT Conference 2004

Gilbert KK, **Brismée JM**, Brown A, Driver E, Manning D, McKandles K, Uresti C, Sizer PS *"Straight Leg Raise And Slump Testing For Low Back Pain Provocation: Evaluation Of Specificity And Sensitivity In A Population Of 40 To 80 Year Olds."*
Louisville, Kentucky, 10/24/04

Annual AAOMPT Conference 2004

Gilbert KK, **Brismée JM**, Dedrick G, Delgado B, Harle J, Miller J, Seidenberger G, Sizer PS *"The Interrater Reliability of The Cervical Rotation Lateral Flexion Test and Correlation to First Rib Mobility Testing."*
Louisville, Kentucky, 10/24/04

Annual AAOMPT Conference 2004

Cook C, **Brismée JM**, Sizer P. *"Psychosocial variables associated with back pain in the elderly: A retrospective analysis"*.
Louisville, Kentucky, 10/24/04

Annual AAOMPT Conference 2004

Cook C, **Brismée JM**, Sizer P. Cervical and lumbar instability identifiers-Results of the Delphi study. 90 minute Breakout Session
Louisville, Kentucky, 10/24/04

Brismée JM, Ramirez R, Calhoun M, Spruiell E, Matthijs O, Phelps V, Dedrick G, Gilbert KK, Sawyer S, Sizer PS. *"Inter-Rater Reliability of Determining Lumbar Spine Segmental Coupling Pattern by Manual Palpation."*
Texas Tech University Health Sciences Center, Lubbock, Texas - 12/12/03.

Gilbert KK, **Brismée JM**, Brown A, Driver E, Manning D, McKandles K, Uresti C. *"Straight Leg Raise and Slump Testing for Low Back Pain Provocation: An Evaluation of Specificity and Sensitivity in a Population of 40 to 80 Year Olds"*
Texas Tech University Health Sciences Center, Lubbock, Texas - 12/12/03.

Gilbert K, **Brismée J**, Sizer P, Laudadio M, Martinez A, Raine J. *"The Specificity of the Slump Test and Straight Leg Raise Test when Used for Low Back Pain Provocation."*
Texas Tech University Health Sciences Center, Lubbock, Texas - 12/06/02.

Annual AAOMPT Conference 2002

Brismée J, Gilbert K, Sizer P, Sawyer S, Isom K, Hall R, Leathers B, Sheppard N. *"The Rate Of False Positive Using The Cyriax Release Test For Thoracic Outlet Syndrome In An Asymptomatic Population"*.
Orlando, Florida, 10/06/02

Annual AAOMPT Conference 2002

Sizer P, **Brismée J**, Gilbert K, Sawyer S, Call D, Branscum S, Finger E, Maness J, Redman N. *"The Incidence Of Positive Cervical Rotation-Lateral Flexion Tests For Elevated First Ribs In Asymptomatic Subjects And Correlations With Cervical Range Of Motion Measurements"*.
Orlando, Florida, 10/06/02

Annual Meeting of the Texas Orthopaedic Association

Sizer P, Sawyer S, **Brismée J**, Jones K, Bruce J, Slauterbeck J. *"The Effect of Microcurrent Stimulation on Postoperative Pain After Patellar Tendon-Bone Anterior Cruciate Ligament Reconstruction"*.
Houston, Texas; 05/01

Physical Therapy 2000: APTA Meeting & Exposition

Brismée J, Gipson D, Ivie D, Lopez A, Matthijs O, Moore M, Phelps V, Sawyer S, Sizer P. *"Evaluation of the "Silent Zone": A Reliability Study of a Manual Physical Therapy Technique Used to Determine Coupling Patterns of the Mid-Thoracic Spine"*
Indianapolis, Indiana, 06/16/00

Physical Therapy 2000: APTA Meeting & Exposition

Sizer P, Sawyer S, **Brismée J**, Jones K, Bruce J, Slauterbeck J. *"The Effect of Microcurrent Stimulation on Postoperative Pain After Patellar Tendon-Bone Anterior Cruciate Ligament Reconstruction"*
Indianapolis, Indiana, 06/16/00

Fifth Annual AAOMPT Conference: Academy '99

Jonely H, Cooper J, Tisdale S, **Brismée JM**, Latman N. *"The Effects of the Relax Station™ Acupressure Pillow on Reducing the Severity and Frequency of Chronic Headaches"*
Scottsdale, Arizona, 10/24/99

Fifth Annual AAOMPT Conference: Academy '99

Brismée J, Gipson D, Ivie D, Lopez A, Matthijs O, Moore M*, Phelps V, Sawyer S, Sizer P. *"Evaluation of the "Silent Zone": A Reliability Study of a Manual Physical Therapy Technique Used to Determine Coupling Patterns of the Mid-Thoracic Spine"*
Scottsdale, Arizona, 10/24/99

Poster Presentations (30 total)

61st National Athletic Training Association (NATA) Annual Meeting

Munger LM, Sizer PS, **Brismée JM**, James CR. *"Relationships between Static and Dynamic Clinical Measurements and 3-D Knee Moments During a Single-Leg Stop-Jump Task."*

Philadelphia, Pennsylvania, 06/23/2010

Physical Therapy 2010: Annual Conference & Exposition of the American Physical Therapy Association

Domenech MA, Dedrick GS, **Brismée JM**, Sizer PS, McGalliard MK. *"The Deep Neck Flexor Endurance Test: A Normative Data Set"*

Boston, Massachusetts – 06/17/2010

Physical Therapy 2010: Annual Conference & Exposition of the American Physical Therapy Association

Poulsen DR, Alexander K, **Brismée JM**, James CR. *"Effect of Cognitive Apprenticeship Instruction on the Reliability and Validity of Student Physical Therapist Visual Observational Assessment Performance: A Randomized Controlled Trial"*

Boston, Massachusetts – 06/17/2010

22nd Annual Student Research Week at Texas Tech University Health Sciences Center

Vaught MS, Dedrick GS, Sizer PS, Sawyer FS, **Brismée JM**. *"Association of Disturbances in the Thoracic Outlet in Subjects with Carpal Tunnel Syndrome."*

Texas Tech University Health Sciences Center, Lubbock, Texas - 03/03/2010

22nd Annual Student Research Week at Texas Tech University Health Sciences Center

Simmerman SM, **Brismée JM**, Dedrick GS, Sizer PS, Apte GG. *"Changes in Spinal Height and Pain Following Aquatic Vertical Suspension versus Land-based supine Positioning in patients with Low Back Pain and Signs of Nerve Root Compression."*

Texas Tech University Health Sciences Center, Lubbock, Texas - 03/03/2010

American Orthopaedic Society for Sports Medicine (AOSSM) 2010 Annual Meeting

White CE, Dedrick GS, Sizer PS, Apte GG, **Brismée JM**. *"The Effect of Isometric Shoulder Internal and External Rotation on the Acromiohumeral Interval"*

Providence, Rhode Island - 07/15/2010

Combined Section Meeting of the American Physical Therapy Association

Dedrick GS, Gerke DA, James CR, Sizer PS, **Brismée JM**. *"Change in Spine Height Measurements Following Sustained Mid-Range and End-Range Flexion of the Lumbar Spine as a Measure of Intervertebral Disc Hydration."*

San Diego, California - 02/19/2010

56th Annual Meeting ACSM (American College of Sports Medicine)

Shen CL, Chyu MC, Phisitkul S, **Brismée JM**, Xu KT, Di-Fan Lo D, Prabhakar SS.

"Short-term Modified Tai Chi Exercise Improves Quality Of Life In Hemodialysis Patients"

Seattle, Washington - 05/27/2009

- Experimental Biology: American Association of Anatomists Annual Meeting
Smith MP, Myren RL, Wood AT, Dedrick GS, Sizer PS, **Brismée JM**, Sawyer BG. *“An Immunohistochemical Study of Human Thoracic Intervertebral Discs.”*
 New Orleans, LO - 04/14/2009
- Eighth Annual Graduate Student Research Poster Competition at Texas Tech University
 Gerke DA, James CR, Dedrick GS, Sizer PS, **Brismée JM**. *“Change In Spine Height Following Sidelying Mid-Range And End-Range Lumbar Flexion Posture.”*
 Texas Tech University, Lubbock, Texas - 04/06/2009
- National Kidney Foundation Spring Clinical Meetings
Phisitkul S, Shen CL, Chyu MC, , **Brismée JM**, Dadgar R, Thompson E, Xu KT, Prabhakar SS. *“Intradialytic Modified Tai Chi Exercise Improves Balance In Hemodialysis Patients.”*
 Nashville, TN – 03/26/2009
- 21st Annual Student Research Week at Texas Tech University Health Sciences Center
Dean’s Recognition Award
 Gerke DA, James CR, Dedrick GS, Sizer PS, **Brismée JM**. *“Change In Spine Height Following Sidelying Mid-Range And End-Range Lumbar Flexion Posture.”*
 Texas Tech University Health Sciences Center, Lubbock, Texas - 03/06/2009
- Texas Tech University Health Sciences Center - Community Medical School
Smith MP, Sawyer BG, **Brismée JM**, Dedrick GS, Sizer PS. *“An Immunohistochemical And Histological Study Of Human Costotransverse Joints.”*
 Lubbock, TX – 09/30/2008
- Texas Tech University Health Sciences Center - Community Medical School
Smith MP, Sawyer B, **Brismée JM**, Dedrick GS, Sizer PS. *“An Immunohistochemical And Histological Study Of Human Uncovertebral Joints.”*
 Lubbock, TX – 09/30/2008
- Experimental Biology: American Association of Anatomists Annual Meeting
 Smith MP, Sawyer BG, **Brismée JM**, Dedrick GS, Sizer PS. *“An Immunohistochemical And Histological Study Of Human Costotransverse Joints.”*
 San Diego, CA - 04/07/2008
- 55th Annual Meeting ACSM (American College of Sports Medicine)
Chyu MC, Poklikuha G, James CR, Sawyer SF, **Brismée JM**, Xu KT, Dunn DM, Shen CL. *“Effects of Tai Chi exercise on Biomechanical Responses In Postmenopausal Women With Low Bone Mass”*
 Indianapolis, Indiana - 05/30/2008
- Experimental Biology: American Association of Anatomists Annual Meeting
Smith MP, Sawyer B, **Brismée JM**, Dedrick GS, Sizer PS. *“An Immunohistochemical And Histological Study Of Human Uncovertebral Joints.”*
 Washington, D.C. - 05/02/2007
- 52nd Annual Meeting ACSM (American College of Sports Medicine)
Brismée JM, Boatright JD, Hagar JM, McCaleb JA, Quintela MM, Chyu M, Paige RL, Shen C. *“Effects Of Tai Chi On The Status Of Elderly Subjects With Knee Osteoarthritis: A Prospective Randomized Controlled Trial”*
 Nashville, Tennessee – 06/02/2005
- 52nd Annual Meeting ACSM (American College of Sports Medicine)

- Bixby WR, Paige RL, **Brismée JM**, Chyu M, James CR, Zumwalt M, Thompson EY, McCauley B, Shen C. *"Effect of Tai Chi on Pain Self-efficacy Related to Knee Osteoarthritis"*
Nashville, Tennessee – 06/02/2005
- 15th Annual Student Research Day at Texas Tech University Health Sciences Center
Randle C, Mcalister M, Parker W, Sawyer S, **Brismée J**. *"In Vitro Evaluation of Heat Production of Different Brands of Newly Calibrated Therapeutic Ultrasound Devices"*
Texas Tech University Health Sciences Center, Lubbock, Texas - 03/25/2003
- 15th Annual Student Research Day at Texas Tech University Health Sciences Center
Henley P, Keys J, Owens J, **Brismée J**, Sawyer S. *"An Investigation of Power Output of Newly Factory Calibrated Therapeutic Ultrasound Machines"*
Texas Tech University Health Sciences Center, Lubbock, Texas - 03/25/2003
- 14th Annual Student Research Day at Texas Tech University Health Sciences Center
Best Poster Award
Isom K, Hall R, Leathers B, Sheppard N, Gilbert K, Sawyer S, Sizer P, **Brismée J**. *"The Cyriax Release Phenomenon Test for Thoracic Outlet Syndrome: Rate of False Positive in an Asymptomatic Population"*
Texas Tech University Health Sciences Center, Lubbock, Texas - 03/08/2002
- 14th Annual Student Research Day at Texas Tech University Health Sciences Center
Call D, Branscum S, Finger E, Maness J, Redman N, Sizer P, Sawyer S, **Brismée J**. *"The Incidence of a Decreased in the Combined Motion of Cervical Rotation - Lateral Flexion for Elevation of the First Rib in an Asymptomatic Population"*
Texas Tech University, Lubbock, Texas - 03/08/2002
- 14th Annual Student Research Day at Texas Tech University Health Sciences Center
Chandler E, **Brismée J**, King M, Naqvi M, Cameron B, Mize B, Moore J. *"The Physiological and Behavioral Consequences of Swaddled Bathing versus Traditional Bathing in Pre-term Infants in the Neonatal Intensive Care Unit"*
Texas Tech University Health Sciences Center, Lubbock, Texas - 03/08/2002
- Annual AAMI (Association for the Advancement of Medical Instrumentation) Conference
Artho P, Thyne J, Warring B, Willis C, **Brismée J**, Latman N. *"A Calibration Study of Therapeutic Ultrasound Devices"*
Baltimore - 06/09/2001
- 13th Annual Student Research Day at Texas Tech University Health Sciences Center
Brismée J, Dyer S, Halter N, Judd B, Sanchez J. *"Interrater Reliability of a Modified Standing Forward Flexion Test (Vorlauf) for Sacroiliac Joint Mobility in Asymptomatic Individuals"*
Texas Tech University Health Sciences Center, Lubbock, Texas - 02/09/2001
- 13th Annual Student Research Day at Texas Tech University Health Sciences Center
Artho P, Thyne J, Warring B, Willis C, **Brismée J**. *"A Calibration Study of Therapeutic Ultrasound Units"*
Texas Tech University Health Sciences Center, Lubbock, Texas - 02/09/2001
- 12th Annual Student Research Day at Texas Tech University Health Sciences Center
Brismée J, Gipson D, Ivie D, Lopez A, Matthijs O, Moore M, Phelps V, Sawyer S, Sizer P. *"Evaluation of the "Silent Zone": A Reliability Study of a Manual Physical Therapy Technique Used to Determine Coupling Patterns of the Mid-Thoracic Spine"*
Texas Tech University Health Sciences Center, Lubbock, Texas - 02/25/2000

12th Annual Student Research Day at Texas Tech University Health Sciences Center
Newton J, Stephens T, Westfield M, **Brismée J.** *“Electromyographic Analysis of the Vastus Medialis Oblique/Vastus Lateralis Ratio in Graded Backward Treadmill Walking and Implications for Rehabilitation”*
Texas Tech University, Lubbock, Texas - 02/25/2000

12th Annual Student Research Day at Texas Tech University Health Sciences Center
Brismée J, Gentry B, Roberts K, Stephens C, Sawyer S. *“Correlation of Perceived Cervical Pain and Forward Head Posture in an Elderly Population”*
Texas Tech University Health Sciences Center, Lubbock, Texas - 02/25/2000

10th Annual Student Research Day at Texas Tech University Health Sciences Center
Garrison K, Bruce J, Schollenbarger M, Spencer J, Street B, Wilhelm J, **Brismée J,** Merrifield H. *“A Comparison of EMG Activity of the Lateral and Medial Quadriceps in Four Selected Lower Extremity Positions During a Closed Chain Activity”*
Texas Tech University Health Sciences Center, Lubbock, Texas - 04/17/1998

FUNDED GRANT ACTIVITY

Investigators: Shen, Phisitkul, Chyu, **Brismée**
Agency: Texas Tech University Health Sciences Center - School of Medicine Clinical and Basic Sciences Seed Grant Proposal
Amount: **\$20,000**
Awarded: January, 2008
Period: 01/01/2008 until 08/31/2009
Title of proposal: Modified Tai Chi Exercise During Outpatient Hemodialysis Therapy

Investigators: Shen, Chyu, Felton, Pence, Xu, Arjmandi, Yeh, **Brismée**
Agency: NIH R21 AT003735
Amount: **\$572,720**
Awarded: August, 2007
Period: 09/01/2007 until 08/31/2009
Title of proposal: GTP and Tai Chi for Bone Health: a Pilot Study

Investigators: Sizer, Sawyer, Dedrick, **Brismée**, Smith
Agency: South Plains Foundation
Amount: **\$9,990**
Awarded: October, 2006
Period: 1 year
Title of Proposal: Analysis of Nerve Fiber Distribution within Thoracic Intervertebral Discs

Investigators: Sizer, Sawyer, Dedrick, **Brismée**, Smith
Agency: Texas Tech University Health Sciences Center - School of Allied Health Sciences Seed Grant Proposal
Amount: **\$9,000**
Awarded January, 2006
Title of Proposal: Analysis of Nerve Fiber Distribution within Thoracic Intervertebral Discs

Investigators: Dedrick, Sizer, **Brismée**, Fick, James
Agency: Texas Tech University Health Sciences Center - School of Allied Health Sciences Seed Grant Proposal
Amount: **\$3,750**
Awarded January, 2006
Title of Proposal: The Effect of Unanticipated Jumping and Cutting Maneuvers on the Control of Knee Valgus in Men and Women

Investigators: Cook, **Brismée**, Sizer
Agency: AAOMPT Steens Research Grant.
Amount: **\$2,000**
Awarded October, 2003
Title of Proposal: Establishing Consensus regarding the Clinical Diagnosis of Non-Radiographic Spine Instability: A Delphi Investigation.

Investigators: Chyu, Shen, **Brismée**, Dunn, James, Sawyer, Xu
Agency: Texas Tech University Seed Grant.
Amount: **\$8,980**
Awarded December, 2004
Title of Proposal: Tai Chi Exercise to Reduce Risk of Falls in Elderly Women with Osteoporosis

SUBMITTED GRANT ACTIVITY

Investigators: Phisitkul S, Shen LS, Zhang Y, Chyu MC, **Brismée JM**, Prabhakar S
Agency: South Plains Foundation Grant
Amount: \$15,000
Submitted: March 15, 2010
Period: 2 years
Title of Proposal: Tai Chi exercise in chronic kidney disease patients

Investigators: Lonnemann, Detrick, Apte, Norman, **Brismée**, Sizer
Agency: NIH Grant (R01) – 00536171
Amount: **\$6,000**
Submitted: November 10, 2008
Period: 2 years
Title of Proposal: The Influence of Sex Hormones on Pelvic Floor Muscle Contraction

Investigators: Detrick, Apte, Norman, Lonnemann, **Brismée**, Sizer
Agency: South Plains Foundation Grant
Amount: **\$5,136**
Submitted: March 20, 2008
Period: 2 years
Title of Proposal: The Influence of Sex Hormones on Pelvic Floor Muscle Contraction

Investigators: Sizer, Sawyer, **Brismée**
Agency: Texas Tech University Seed Grant - Fall 2007 Advanced Research Program (ARP)
Amount: **\$60,000**
Submitted: October 22, 2007
Period: 2 years
Title of Proposal: Advanced Analysis of Articular and Neural Structures Associated with the Uncovertebral Joint

Investigators: Chyu, Shen, **Brismée**
Agency: Texas Tech University Seed Grant - Fall 2007 Research Enrichment Fund
Amount: **\$34,800**
Submitted: October 13, 2007
Period: 2 years
Title of Proposal: Enrichment of existing NIH-funded research: Measurement of bone quality in postmenopausal women

Investigators: **Brismée**, O'Hearn, Poretto-Loehrke, Dedrick, Cook, Sizer
Agency: American Academy of Orthopaedic Manual Physical Therapists
Amount: **\$4,960**
Submitted: September 09, 2007
Period: 2 years
Title of Proposal: Predictors of outcomes of carpal tunnel release: a prospective clinical trial

Investigators: Poulsen, Hubbard, Sawyer, **Brismée**
Agency: South Plains Foundation
Amount: **\$7,350**
Submitted: June 06, 2006
Period: 1 year
Title of Proposal: The Effect of Physical Therapy Intervention on the Expression of Knee Osteoarthritis Biomarkers

Investigators: Shen, **Brismée**, Chyu, Dunn
Agency: National Osteoporosis Foundation
Amount requested: **\$50,000** for 1 year (9/1/2006-8/31/2007).
Submitted: January 20, 2006
Period: 1 year.
Title of proposal: Tiger Step Exercise and Risk of Falls: a Pilot Study.

Investigators: Shen, **Brismée**, Chyu, Dunn, James, Sawyer, Xu
Agency: NIH Small Research Grant Program (R03) - NPA-03-108
Amount requested: **\$100,000**
Submitted: September 30, 2005
Period: 2 years.
Title of proposal: Tiger Step and Risk of Falls: a Pilot Study

Investigators: Shen, **Brismée**, Chyu, Dunn, James, Sawyer, Xu
Agency/program: NCCAM Exploratory/Developmental Grant for Clinical Studies (R21)
Requested: **\$593,373**
Period: 01/01/2006 – 12/31/2008
Title of proposal: Tai Chi and Osteoporosis: a Pilot Study

Investigators: Shen, **Brismée**, Dunn, Felton, James, Sizer, Sawyer, Xu, Chyu, Paige, Arjmandi, Yeh
Agency: DOD 2005 Peer Reviewed Medical Research Program
Requested amount: **\$971,453**
Period: 01/01/2006 - 12/31/2008
Title of proposal: Alternative exercise to prevent osteoporotic bone fracture

Investigators: Shen, **Brismée**, Dunn, Felton, James, Sizer, Sawyer, Xu, Chyu, Arjmandi, Yeh
Agency: DOD 2006 Peer Reviewed Medical Research Program
Requested amount: **\$868,462** (direct + indirect cost) for three years.
Period: 01/01/2007 - 12/31/2009
Title of proposal: Alternative exercise to prevent osteoporotic bone fracture

RESEARCH ACTIVITY

Research In Progress (18)

- Manning D, Sizer PS, Dedrick GS, **Brismée JM**. Inter-Rater Reliability of Cervical Segmental Side-Bend Testing for Joint Mobility, End-Feel and Pain Provocation in Patients with Cervicalgia (Principal Investigator, ScD Student Research; In Progress)
- Matthijs OC, Sizer PS, **Brismée JM**, Dedrick GS, McGalliard M, James CR. Synergistic Activation Of The Multifidus And Lateral Abdominal Wall Muscles During Voluntary Abdominal Muscle Activation Strategies Performed In Different Postural Positions (Investigator, ScD Student Research; In Progress)
- Brown C, Gilbert KK, James CR, **Brismée JM**, Sizer PS. The Effects of Neurodynamic Mobilization on Fluid Dynamics within the Tibial Nerve: A Cadaveric Study (Investigator, ScD Student Research; In Progress)
- Poulsen DR, Dedrick GS, **Brismée JM**. Effects Of Manual Therapy Versus Therapeutic Exercise On Knee Osteoarthritis: A Randomized Control Trial (Investigator, Faculty Research; In Progress)
- Poulsen DR, Alexander KL, **Brismée JM**, Couch C, James CR. Effect of Cognitive Apprenticeship on Student-Clinician Reliability and Concurrent Validity in Rating Quality of Movement of Osteoarthritic Subjects. (Investigator, PhD Student Research; In Progress)
- White CE, **Brismée JM**, Sizer PS, Dedrick GS, Apte GG. The Effect Of Resistive Isometric Internal And External Rotation on the Acromiohumeral Interval (Principal Investigator, ScD Student Research; In Progress)
- Simmerman S, **Brismée JM**, Sizer PS, Dedrick GS, Apte GG. Immediate Changes in Spinal Height and Pain Following Aquatic Vertical Suspension in Patients with Low Back Pain and Signs of Nerve Root Compression (Principal Investigator, ScD Student Research; In Progress).
- McGalliard M, Sizer PS, Dedrick GS, Apte G, Cook CE, **Brismée JM**. The Activity of the Transverse Abdominis Using the Abdominal Drawing in Maneuver During a Functional Activity (Investigator, ScD Student Research; In Progress)
- Lonnemann E, Apte G, Dedrick GS, Robert-McComb JJ, Norman RL, Sizer PS, **Brismée JM**. The influence of sex hormones on the behavior of the lumbo-pelvic muscle complex (Investigator, Faculty Research; In Progress)
- Gerke D, Sizer PS, Dedrick GS, James CR, **Brismée JM**. Change In Stadiometric Spine Height Measurements Following Sustained Lumbar Flexed Sidelying Positions and Seated Postures (Principal Investigator, ScD Student Research; In Progress)
- Shen CL, Chyu MC, Arjmandi BH, Felton CK, Yeh JK, **Brismée JM**, Wang JS, Xu KT. Green Tea and Tai Chi for Bone Health: a Pilot Study (Investigator, Faculty Research; In Progress)
- Brismée JM**, Porretto-Loehrke A, O'Hearn T, Cook C, Dedrick GS, Sizer PS. Predictors of outcomes of carpal tunnel release: a prospective clinical trial. (Principal Investigator, Faculty Research; In Progress)
- Vaught MS, Dedrick GS, Sizer PS, **Brismée JM**. Association of Disturbances In the Thoracic Outlet in Subjects With Carpal Tunnel Syndrome (Principal Investigator, ScD Student Research; In Progress)

- Dedrick GS, Freeman E, **Brismée JM**, James R, Sizer P. Does axial distraction of the humerus maintain the acromiohumeral interval space during resisted abduction of the shoulder? (Investigator, Faculty Research; In Progress)
- Owens C, Pennell P, Dedrick GS, James R, Sizer PS, **Brismée JM**. Spinal Stature Increase Following Sustained Lumbar Flexion Postures – An investigation using stadiometry (Principal Investigator, ScD Student Research; In Progress)
- Pennell P, Owens C, Dedrick GS, James R, Sizer PS, **Brismée JM**. Reliability of a stadiometer to measure seated trunk height position (Investigator, ScD Student Research; In Progress)
- Domenech MA, Dedrick G, **Brismée JM**, Sizer PS. The deep neck flexor endurance test: A description of normative data. (Investigator, Faculty Research; In Progress)
- Fick G, Dedrick G, Sizer P, **Brismée JM**, James R. The effect of unanticipated jumping and cutting maneuvers on the control of knee valgus in men and women. (Investigator, Faculty Research; In Progress)
- Sizer P, Mcgaugh J, Dedrick G, Smith M, **Brismée JM**. Analysis of movement in the meniscotibial joint; A cadaveric study. (Investigator, Faculty Research; In Progress.)
- Sizer P, **Brismée JM**, Sawyer B, Dedrick G, Smith M. Analysis of nerve fiber distribution within thoracic intervertebral discs. (Investigator, Faculty Research; In Progress.)
- Sizer P, **Brismée JM**, Sawyer B, Dedrick G, Smith M. Analysis of nerve fiber distribution within cervical uncovertebral complex. (Investigator, Faculty Research; In Progress.)
- Sizer P, **Brismée JM**, Sawyer B, Dedrick G, Smith M. Analysis of nerve fiber distribution within thoracic costotransversal joint. (Investigator, Faculty Research; In Progress.)
- Jonely H, **Brismée JM**, Sizer P, James CR. The relationship between navicular drop, navicular drift, medial longitudinal arch height and plantar pressure measures during the stance phase of walking: A study of normal subjects. (Investigator, ScD Student Research; In Progress.)
- Moss R, Sizer P, Sawyer S, **Brismée JM**. The effects of manual therapy on anterior knee pain (Investigator, ScD Student Research; In Progress.)
- Bruce J, Smitherman B, **Brismée JM**, James CR, Sawyer S, Dedrick G, Sizer P. Pre and post operative clinical and gait assessment of the duracon vs. the triathlon total knee prosthesis: A preliminary study. (Investigator, ScD Student Research; In Progress.)
- Lewis N, **Brismée JM**, James CR, Sawyer S, Sizer P. The effect of stretching on kinematic posturography performance. (Principal Investigator, ScD Student Research; In Progress.)

Manuscripts In Progress (4)

- Dedrick G, **Brismée JM**, Gilbert K, Sizer PS et al. Surface anatomy palpation of the L5 spinous process: a validity study using fluoroscopy. (Investigator, MPT Student Research; Completed & Manuscript submitted)

McGaugh J, Dedrick G, **Brismée JM**, Sizer PS. Comparing the anatomical consistency of the PSIS to the Iliac Crest as a reference landmark for vertebral location in the lumbar spine.. (Investigator, ScD Student Research; Completed & Manuscript in-progress)

Brismée JM, Sizer P, Sawyer S, Bruce J, Jones K, Slauterbeck J. Effects of microcurrent on postoperative pain control for outpatients who received a bone-patellar tendon-bone anterior cruciate ligament reconstruction. (Principal Investigator; Clinical Research; Completed & Manuscript in-progress).

Sizer P, James R, Munger L, **Brismée JM**, King T, Cartwright M. Factors influencing dynamic valgus during landing (Investigator; Biomechanics Research; Completed & Manuscript submitted).

Completed Research Projects Prior to 2007 (37)

Smith T, **Sizer P**, Sawyer S, Brismée JM. Association of mechanical disturbances in the thoracic outlet in cyclists with symptoms of ulnar nerve neuropathy (Investigator, ScD Student Research; Completed & Manuscript Submitted)

Gilbert KK, **Brismée JM**, Collins D, James CR, Shah RV, Sawyer SF, Sizer PS. Lumbosacral Nerve Root Displacement and Strain: Part 1- A Novel Measurement Technique During Straight Leg Raise in Unembalmed Cadavers. (Principal Investigator, ScD Student Research; Completed & Manuscript Submitted)

Gilbert KK, **Brismée JM**, Collins D, James CR, Shah RV, Sawyer SF, Sizer PS. Lumbosacral Nerve Root Displacement and Strain: Part 2- A Comparison of Two Straight Leg Raise Conditions in Unembalmed Cadavers. (Principal Investigator, ScD Student Research; Completed & Manuscript Submitted)

Shen C, James CR, Chyu M, Bixby WR, **Brismée JM**, Zumwalt MA, Poklikuha G. Effect Of Tai Chi Exercise On Gait Kinematics In Knee Osteoarthritis. (Investigator, Faculty Research; Completed & Manuscript Submitted)

Sizer PS, Cook C, **Brismée JM**. Medical Screening For Red Flags In The Diagnosis And Management Of Musculoskeletal Spine Pain. (Investigator, Faculty Research; Completed & Manuscript Submitted)

Brismée JM, Paige RL, Chyu M, Boatright JD, Hagar JM, McCaleb JA, Quintela MM, Feng D, Shen C. Group and Home-Based Tai Chi in Elderly Subjects with Knee Osteoarthritis: A Randomized Controlled Trial. (Principal Investigator, ScD Student Research; Completed & Manuscript Accepted for Publication)

Dedrick GS, Sizer PS, Merkle JN, Hounshell TR, McComb JJR, Sawyer SF, **Brismée JM**, James CR. Effect of Sex Hormones on Motor Control Patterns During Landing. (Investigator, ScD Student Research; Completed & Manuscript Accepted for Publication.)

Menstrual Cycle's Effect on Motor Control Strategies in Landing: A Kinematic & EMG Study
Texas Tech University Health Sciences Center, Lubbock, Texas
Student Research: Associate Investigator – 2005

The Effect of the Menstrual Cycle on Selected Motor Control Strategies in Eumenorrheic Women
Texas Tech University Health Sciences Center, Lubbock, Texas
Student Research: Associate Investigator – 2005

- Establishing Consensus Regarding the Clinical Diagnosis of Non-Radiographic Spine Instability: A Delphi Investigation
Texas Tech University Health Sciences Center, Lubbock, Texas
Faculty Research: Associate Investigator – 2005
- Lumbosacral Nerve Root Mobility Within the Lateral Recess and Strain During Distally Initiated Straight Leg Raise Neural Tension Testing: A Fresh Cadaveric Study.
Texas Tech University Health Sciences Center, Lubbock, Texas
Student Research: Principal Investigator – 2004
- Inter-Rater Reliability of Determining Lumbar Spine Segmental Coupling Pattern in a Non-Weight Bearing Position by Manual Palpation
Texas Tech University Health Sciences Center, Lubbock, Texas
Student Research: Principal Investigator – 2004
- The Effect of Tai Chi Exercises on Pain, Range of Motion, Frequency of Falls and Physical Functioning in An Elderly population with Osteoarthritis of the Knee: A Prospective Randomized Controlled Trial
Texas Tech University Health Sciences Center, Lubbock, Texas
Student Research: Principal Investigator – 2004
- Surface Anatomy Palpation of the L5 Spinous Process: A Validity Study Using Fluoroscopy
Texas Tech University Health Sciences Center, Lubbock, Texas
Student Research: Associate Investigator – 2004
- Straight Leg Raise and Slump Testing for Low Back Pain Provocation: An Evaluation of Specificity and Sensitivity in a Population of 40 to 80 Year Olds
Texas Tech University Health Sciences Center, Lubbock, Texas
Student Research: Associate Investigator – 2003
- Inter-Rater Reliability of Determining Lumbar Spine Segmental Coupling Pattern by Manual Palpation
Texas Tech University Health Sciences Center, Lubbock, Texas
Student Research: Principal Investigator – 2003
- An Investigation of Power Output of Newly Factory Calibrated Therapeutic Ultrasound Machines
Texas Tech University Health Sciences Center, Amarillo, Texas
Student Research: Principal Investigator – 2002
- In Vitro Evaluation of Heat Production of Different Brands of Newly Calibrated Therapeutic Ultrasound Devices
Texas Tech University Health Sciences Center, Amarillo, Texas
Student Research: Principal Investigator – 2002
- The Specificity of the Slump Test and Straight Leg Raise Test When Used for Low Back Pain Provocation
Texas Tech University Health Sciences Center, Lubbock, Texas
Student Research: Associated Investigator – 2002
- The Incidence of a Decreased in the Combined Motion of Cervical Rotation - Lateral Flexion for Elevation of the First Rib in an Asymptomatic Population
Texas Tech University Health Sciences Center, Amarillo, Texas
Student Research: Principal Investigator – 2001

The Cyriax Release Phenomenon Test for Thoracic Outlet Syndrome: Rate of False Positive in an Asymptomatic Population

Texas Tech University Health Sciences Center, Amarillo, Texas
Student Research: Principal Investigator – 2001

The Physiological and Behavioral Consequences of Swaddled Bathing versus Traditional Bathing in Pre-term Infants in the Neonatal Intensive Care Unit

Texas Tech University Health Sciences Center, Amarillo, Texas
Student Research: Principal Investigator – 2001

Interrater Reliability of a Modified Standing Forward Flexion Test (Vorlauf) for Sacroiliac Joint Mobility in Asymptomatic Individuals

Texas Tech University Health Sciences Center, Amarillo, Texas
Student Research: Principal Investigator – 2000

A Calibration Study of Therapeutic Ultrasound Units

Texas Tech University Health Sciences Center, Amarillo, Texas
Student Research: Principal Investigator – 2000

Correlation of Perceived Cervical Pain and Forward Head Posture in an Elderly Population

Texas Tech University Health Sciences Center, Amarillo, Texas
Student Research: Principal Investigator – 1999

Electromyographic Analysis of the Vastus Medialis Oblique/Vastus Lateralis Ratio in Graded Backward Treadmill Walking and Implications for Rehabilitation

Texas Tech University Health Sciences Center, Amarillo, Texas
Student Research: Principal Investigator – 1999

Evaluation of the “Silent Zone”: A Reliability Study of a Manual Physical Therapy Technique Used to Determine Coupling Patterns of the Mid-thoracic Spine

Texas Tech University Health Sciences Center, Amarillo, Texas
Student Research: Principal Investigator – 1999

Physical Therapy Referral of Patients with Low Back Pain: A Survey of Emergency Medicine Physicians in the State of Texas

Texas Tech University Health Sciences Center, Amarillo, Texas
Student Research: Principal Investigator - 1998

Effects of Warm-Up Programs on Knee Joint Position Sense in Female Recreational Athletes

Texas Tech University Health Sciences Center, Amarillo, Texas
Student Research: Principal Investigator - 1998

The Effects of the Relax Station Acupressure Pillow on Reducing the Severity and Frequency of Chronic Headaches

Texas Tech University Health Sciences Center, Amarillo, Texas
Student Research: Principal Investigator – 1998

A Comparison of EMG Activity of the Lateral and Medial Quadriceps in Four Selected Lower Extremity Positions During a Closed Chain Activity

Texas Tech University Health Sciences Center, Lubbock, Texas
Student Research: Associate Investigator - 1997

Double Blind Study to Determine the Effectiveness of Micro Current Stimulation on Post-Operative pain after Anterior Cruciate Ligament Reconstructive Surgery

Texas Tech University Health Sciences Center, Lubbock, Texas

Student Research: Associate Investigator - 1997

Lifting Capacity and Epidemiological Variables as Prognostic Indicators of Occupational Back Injury Reports in a Hospital Population

Texas Tech University Health Sciences Center, Lubbock, Texas

Thesis for Master's Degree - 1996

Blind Study to Determine the Effects of Scapular Taping Radiographically and Functionally for Painful Arc Due to Impingement or Instability

Texas Tech University Health Sciences Center, Lubbock, Texas

Student Research: Associate Investigator - 1996

Lumbar Spinal Ranges of Motion: A Relationship with Age, Sex, Lifting Capacity, and History of Low Back Pain

Texas Tech University Health Sciences Center, Lubbock, Texas

Student Research: Associate Investigator - 1993

A Study of the Mucociliary Clearance for Intubated and Artificially Ventilated Patients

University of Louvain-la-Neuve, Belgium

Thesis for Bachelor's Degree in Physical Therapy - 1985

Descriptive and Comparative Analysis of Classical Crawl Stroke and Crawl Stroke with Fins (based on underwater motion photography)

University of Louvain-la-Neuve, Belgium

Thesis for Bachelor's Degree in Physical Education - 1982

PART III: TEACHING

TTUHSC TEACHING RESPONSIBILITIES

Associate Professor: Texas Tech University Health Sciences Center, Master and Doctorate of Science in Physical Therapy Program

Courses Taught:

- AHPT 6301 "Issues in Orthopaedic Physical Therapy 1" – Principal Instructor (2002 – 2005)
- AHPT 6302 "Issues in Orthopaedic Physical Therapy 2" – Principal Instructor (2004 – Present)
- AHPT 6303 "Basic and Applied Sciences in Orthopaedics" – Principal Instructor (2002 – Present)
- AHPT 6311 "Clinical Studies in Anatomy" – Principal Instructor (2003 – Present)
- AHPT 6313 "Biomechanics in Orthopaedics" – Co-Instructor (2003 – Present)
- AHPT 6315 "Updates in Orthopaedic Surgical Management" – Principal Instructor (2004 – Present)
- AHPT 6201 "Advanced Clinical Practice for Shoulder Afflictions" – Principal Instructor (2003 – Present)
- AHPT 6202 "Advanced Clinical Practice for Elbow Afflictions" – Principal Instructor (2004 – Present)
- AHPT 6203 "Advanced Clinical Practice for Wrist and Hand Afflictions" – Principal Instructor (2003 – Present)
- AHPT 6204 "Advanced Clinical Practice for Hip Afflictions" – Principal Instructor (2004 – Present)
- AHPT 6205 "Advanced Clinical Practice for Knee Afflictions" – Principal Instructor (2004 – Present)
- AHPT 6206 "Advanced Clinical Practice for Ankle & Foot Afflictions" – Principal Instructor (2003 – Present)
- AHPT 6207 "Advanced Clinical Practice for Upper Cervical Spine and Headache Afflictions" – Principal Instructor (2003 – Present)
- AHPT 6208 "Advanced Clinical Practice for Lower Cervical Spine Afflictions" – Principal Instructor (2003 – Present)
- AHPT 6209 "Advanced Clinical Practice for Cervico-Thoracic Junction Afflictions and Thoracic Outlet Syndrome" – Principal Instructor (2003 – Present)
- AHPT 6210 "Advanced Clinical Practice for Thoracic Spine and Ribs Afflictions" – Principal Instructor (2004 – Present)
- AHPT 6211 "Advanced Clinical Practice for Sacroiliac / Lumbar Primary Disc Afflictions" – Principal Instructor (2003 – Present)
- AHPT 6212 "Advanced Clinical Practice for Secondary Disc-Related Disorders of the Lumbar Spine Afflictions" – Principal Instructor (2003 – Present)
- AHPT 5305 "Kinesiology" – Principal Instructor (1998 – 2001)
- AHPT 5220 "Musculoskeletal Evaluation and Management Part 1 – The Upper Limb" – Principal Instructor (2002 – 2003)

AHPT 5220 "Musculoskeletal Evaluation and Management Part 1 – The Upper Limb" – Lab Instructor (2004 – Present)

AHPT 5529 "Musculoskeletal Evaluation and Management Part 2 – The Lower Limb and the Spine" Teaching labs and lectures (1997 – Present)

AHPT 5129 "Clinical Reasoning for Patients with Orthopedic Conditions" – Principal Instructor (2001 – 2003)

AHPT 5129 "Clinical Reasoning for Patients with Orthopedic Conditions" – Lab Instructor (2004 – 2005)

AHPT 5210 "Clinical Applied Physiology" – Teaching lab (2002)

AHPT 5202 "Principle of Kinesiology" – lectures and labs (1999 – 2003)

AHPT 5227 "Current Medical Diagnosis and Treatment" – Facilitator (1997-2000)

AHPT 5506 "Patient Evaluation and Management II" - Teaching labs on Electrophysiology & Thermal Agents & lectures on Thermal agents (1998 – Present)

GUEST LECTURER

Guest Lecturer to Texas Tech University Health Sciences Center Orthopaedic Surgery Residents and Faculty: "Statistical Power in Research"
Lubbock, Texas – 09/17/2009

Guest Speaker to AHPT 8231: Diagnostic Imaging: "Radiology of the Spine"
Lubbock, Texas - 06/2008

Guest Speaker to a HealthNet Program: "Radiology of the Spine"
Lubbock, Texas - 05/2007

Guest Speaker to a HealthNet Program: "Intra versus Extra Articular Sprains"
Lubbock, Texas - 03/1997

Guest Speaker to a HealthNet Program: "Basic Principles of Shoulder Rehabilitation"
Lubbock, Texas - 03/1997

Guest Speaker to a HealthNet Program: "Treating Shoulder Impingement with Limited Visits"
Lubbock, Texas - 02/1997

Guest Lecturer to a Conference: "Diabetes, Pathways to Better Control"
Topic: Exercise and Diabetes... What, Where, When, How ?
Lubbock, Texas - 04/30/1993

Guest Lecturer: School of Nursing - Third Year's Students Specializing in Intensive Care Nursing
Lectures on Respiratory Physical Therapy (6 hours)
Paramaribo, Suriname – 1988

Guest Lecturer: School of Nursing - Second Year's Students
Lectures on

- the Mobilization of Hemiplegics
- the Mobilization of Patients after Back Surgeries
- Respiratory Methods
- Methods for Lifting and Transporting Patients
- the Use of Walking Instruments

Paramaribo, Suriname - 1987-1988

POST-PROFESSIONAL EDUCATION DELIVERIES (123 total)

Invited Lectureship At State, Regional, National And International Conferences (29 total)

Lecturer : West Texas Sports Medicine Conference

Topics: Ankle and Foot Functional Analysis

Lubbock, Texas - 07/10/2010

Lecturer: American Academy of Orthopedic Manual Physical Therapists

Topic: Tips on How to Publish a Paper on Manual Therapy

San Antonio, Texas – 10/09/2010

Lecturer: International Academy of Orthopedic Medicine – International Conference

Topic: Transverse Friction Massage. Myth or Reality?

Tucson, Arizona - 01/09/2010

Lecturer : West Texas Sports Medicine Conference

Topics: Functional Examination and Special Tests of the Ankle

Lubbock, Texas - 07/11/2009

Lecturer: Lubbock Sports Medicine

Topic: Knee Cadaver Anatomy

Lubbock, TX – 06/27/2009

Lecturer: Manual Therapy of the Upper Quarter

Topic: The Shoulder Complex

American Physical Therapy Association – Annual Conference

Baltimore, MD – 06/11/2009

Lecturer: Manual Therapy of the Upper Quarter

Topic: The Elbow, Forearm, Wrist and Hand Disorders

American Physical Therapy Association – Annual Conference

Baltimore, MD – 06/11/2009

Lecturer: International Academy of Orthopedic Medicine – National Conference

Topic: Greater Trochanteric Pain Syndrome: Recent discoveries in Recalcitrant lateral Hip Pain.

Tucson, Arizona - 01/10/2009

Lecturer: President's Forum on International Health

Topic: Spinal Manipulations: The Similarities And Disparities Between Osteopaths, Chiropractors And Physical Therapists Around The World.

Lubbock, Texas - 12/03/2008

Speaker - The American Medical Student Association Regional Conference

Topic: Complementary Medicine Panel – Alternative Approaches to Traditional Cases

Lubbock, Texas - 12/06/2008

Lecturer: International Academy of Orthopedic Medicine – National Conference

Topic: Mad about Manipulations - The Science Of Spinal Manipulations In The Treatment Of Musculoskeletal Conditions: Who To Manipulate, When To Manipulate, What To Manipulate And How To Manipulate

Tucson, Arizona- 08/22/2008

Lecturer: International Academy of Orthopedic Medicine – Bi-Annual Meeting
 Topic: Updates on the Shoulder and on Lumbar Traction
 Tucson, Arizona- 08/22/2008

Lecturer : West Texas Sports Medicine Conference
 Topics: Shoulder Treatment – Post Surgical Rehabilitation
 Differential Diagnosis and Manual Therapy of the Wrist
 Lubbock, Texas - 06/12/2008

Lecturer: Mobilisations ou Manipulations Vertébrales pour les Cervicalgies? Un Choix
 Difficile. Evaluation, Tests Préliminaires, Techniques et Résultats Cliniques
 Brussels, Belgium – 10/11/2007

Lecturer: Research Conducted at the Musculoskeletal Research Laboratory at Texas Tech
 University Health Sciences Center in Cooperation with IAOM-US
 IAOM-Europe Symposium, Vienna, Austria – 10/06/2007

Lecturer: International Academy of Orthopedic Medicine – Bi-Annual Meeting
 Topic: Updates on Research conducted with IAOM-US
 Tucson, Arizona- 08/26/2007

Lecturer: Manual Therapy of Ankle and Foot Disorders
 American Physical Therapy Association – Annual Conference, Denver, CO – 06/30/2007

Cadaver Anatomy Workshop: The Shoulder, Elbow, Wrist & Hand
 Lubbock, TX – 03/20-21/2007

The Intervertebral Disc as a Pain Generator in Cervical Conditions
 National Athletic Training Association – Annual Conference, Atlanta, GA – 06/17/2006

Lecturer: International Academy of Orthopedic Medicine – Bi-Annual Meeting
 Topic: Updates on the Shoulder, Elbow and Ankle
 Tucson, Arizona- 08/26/2006

Lecturer: International Academy of Orthopedic Medicine – Bi-Annual Meeting
 Topic: Update on Vertebrobasilar Insufficiency testing and pre-manipulative screening of
 the cervical spine
 Tucson, Arizona- 08/28/2005

Lecturer: International Academy of Orthopedic Medicine – Bi-Annual Meeting
 Topic: Update on Coupling Pattern of the Lumbar Spine: Research and Clinical
 Applications
 Tucson, Arizona- 01/11/2004

Nonoperative Orthopedic Medicine and Manual Therapy of Primary Disc Related Disorders of
 the Lumbar Spine and Introduction to Neural Flossing
 TPTA Annual Conference, Arlington, TX – 10/11-12/2001

Elbow, Forearm, Wrist and Hand: Anatomy, Mechanics and Clinical Management
 Lubbock, TX - 06/28-29/1997
 Houston, TX - 06/13-14/1997

Cadaver Anatomy Workshop: The Knee, Foot and Ankle
 Lubbock, TX – 07/26-27/2004

Guest Speaker to a Panhandle District Meeting of Texas Physical Therapy Association
Topic: Iontophoresis
Amarillo, Texas – 06/14/2000

Guest Speaker to a Panhandle District Meeting of Texas Physical Therapy Association
Topic: The Use of Scapular Taping in the Treatment of Shoulder Impingement
Amarillo, Texas - 04/14/1998

Guest Speaker to a Conference for Physical Therapists and Physical Therapy Students
Topic: “Le kinésithérapeute Belge aux U.S.A: l'Expérience Américaine”
Catholic University of Louvain-la-Neuve, Louvain-la-Neuve, Belgium - 03/17/1998

Guest Speaker to a Texas Tech SportMed Conference: “New Treatment Approaches to Articular Cartilage Defects of the Knee: Chondrocyte Transplantation”
Topic: Rehabilitation - Enhancing Cartilage Healing
University Medical Center, Lubbock, Texas - 04/01/1997

Guest Speaker to a Texas Tech SportMed Conference: “Ligamentous Sprains: Intra vs. Extra Articular Sprains, Histology, Grades of Sprains, Healing Process & Treatment Approaches”
Topic: Enhancing Healing: Early Controlled ROM
University Medical Center, Lubbock, Texas - 02/18/1997

Guest Speaker to a Conference for Physical Therapists
Topic: The Effective Treatment of Shoulder Impingement Syndrome with Limited Visits
Texas Tech University Health Sciences Center, Lubbock, Texas- 07/14/1996

In-service Lecturer: Department of Anesthesiology - Pain Management
Topic: Rehabilitation Methods in Chronic Pain Disorders
Texas Tech University Health Sciences Center, Lubbock, Texas - 1993-1997

Lead Faculty Instructor (90 Courses)

International Academy of Orthopaedic Medicine-US

Non-Operative Orthopaedic Medicine and Manual Therapy

Nonoperative Orthopedic Medicine and Manual Therapy of the Shoulder (IAOM-US)

Corpus Christi, TX – 06/04-06/2010

Hudson, WI – 11/11-13/2009

Harrisburg, PA – 09/19-21/2008

Springfield, MO – 06/06-08/2008

Spokane, WA – 03/28-30/2008

El Segundo, CA – 09/14-16//2007

Albuquerque, NM – 01/19-21/2007

Hudson, WI – 09/22-24/2006

Austin, TX – 08/04-06/2006

Houston, TX – 09/16-18/2005

Concord, CA – 06/10-12/2005

Milwaukee, WI – 11/12-14/2004

Pittsburg, KS – 04/02-04/2004

Cary, NC – 09/26-28/2003

Lubbock, TX – 10/04-06/2002

Denver, CO – 06/21-23/2002

Cape Girardeau, MO – 04/26-28/2002

Tucson, AZ – 03/22-24/2002

Cody, WY – 08/10-12/2001

Nonoperative Orthopedic Medicine and Manual Therapy of the Elbow (IAOM-US)

Kennesaw, GA – 05/14-16/2010
Harrisburg, PA - 04/28-30/2006
Buffalo, NY - 09/10-12/2004
Appleton, WI – 01/23-25/2004
Milwaukee, WI - 11/08-10/2002
Minneapolis, MN – 04/12-14/2002
Dallas, TX – 02/15-17/2002

Nonoperative Orthopedic Medicine and Manual Therapy of the Wrist & Hand (IAOM-US)

Lubbock, TX – 07/30-08/01/2010
Harrisburg, PA – 10/24-26/2008
Appleton, WI – 03/15-16/2003

Nonoperative Orthopedic Medicine and Manual Therapy of the Hip (IAOM-US)

Albuquerque, NM – 01/22-24/2010
Spokane, WA – 09/11-13/2009
Quincy, IL – 08/01-02/2009
Denver, CO – 06/05-07/2009
Harrisburg, PA – 05/04-06/2007
South Lake Tahoe, CA – 06/09-11/2006
Hudson, WI – 11/11-13/2005
Minneapolis, MN – 01/09-11/2004

Nonoperative Orthopedic Medicine and Manual Therapy of the Knee (IAOM-US)

Spokane, WA – 03/30-04/01/2007
Fort Worth, TX – 11/10-12/2006
Albuquerque, NM – 10/20-22/2006
Corpus Christi, TX – 10/07-09/2005
Cleveland, OH – 06/24-26/2005
Lake Tahoe, CA – 09/13-15/2002
Minneapolis, MN – 12/07-09/2001
Minneapolis, MN – 01/19-21/2001

Nonoperative Orthopedic Medicine and Manual Therapy of the Ankle & Foot (IAOM-US)

Lubbock, TX – 04/09-11/2010
Amarillo, TX – 05/29-31/2009
Denver, CO – 11/14-16/2008
Tucson, AZ – 09/12-14/2008
Hudson, WI – 11/09-11/2007
Houston, TX – 04/20-22/2007
Spokane, WA – 03/24-26/2006
Austin, TX – 03/03-05/2006
Cody, WY – 08/05-07/2005
Denver, CO – 05/14-16/2004
Lake Tahoe, CA – 04/30-05/02/2004
Denver, CO – 06/27-29/2003

Nonoperative Orthopedic Medicine and Manual Therapy of Upper Cervical Spine Afflictions and Headaches (IAOM-US)

Fort Worth, TX – 02/11-13/2005
Tulsa, OK – 09/17-19/2004

Nonoperative Orthopedic Medicine and Manual Therapy of Lower Cervical Spine Afflictions (IAOM-US)

Puyallup, WA – 10/02-04/2009
Boulder, CO – 01/30-02/01/2009
Houston, TX – 08/03-05/2007
Brunswick, ME – 04/09-11/2006
Boise, ID – 02/25-27/2005
Fayetteville, NC – 03/19-21/2004
Tulsa, OK – 02/13-15/2004

Nonoperative Orthopedic Medicine and Manual Therapy of the Cervico-Thoracic Junction and Thoracic Outlet Syndrome (IAOM-US)

Puyallup, WA – 06/25-27/2010
Fort Worth, TX – 03/05-07/2010
Albuquerque, NM – 01/16-18/2009
Austin, TX – 08/15-17/2008
Bronx, NY – 02/08-10/2008
Bayshore, NY – 06/08-10/2007
Appleton, WI – 01/21-23/2005
Fort Worth, TX – 11/14-16/2003
Minneapolis, MN – 02/14-16/2003

Nonoperative Orthopedic Medicine and Manual Therapy of Thoracic Spine and Ribs Afflictions (IAOM-US)

Puyallup, WA – 03/26-28/2010
Kansas City, MO – 02/23-25/2007
El Segundo, CA – 04/15-17/2005
Austin, TX – 02/27-29/2004

Nonoperative Orthopedic Medicine and Manual Therapy of Primary Disc Related Disorders of the Lumbar Spine and of the Sacro-iliac Joint (IAOM-US)

Kansas City, MO – 05/02 – 04/2008
Brunswick, ME – 04/13-15/2008
Salt Lake City, UT – 02/29 – 03/02/2008
Erie, PA – 07/23-25/2004
Denver, CO – 08/15-17/2003
Minneapolis, MN – 01/17-19/2003

Nonoperative Orthopedic Medicine and Manual Therapy of Secondary Disorders of the Lumbar Spine: Disc, Facet Joint, Segmental Instability (IAOM-US)

Phoenix, AZ – 04/30-05/02/2010
Cape Girardeau, MO – 03/16-18/2007
Rochester, NY – 10/20-22/2006
Fort Worth, TX – 02/17-19/2006
Austin, TX – 04/01-03/2005

Assistant Instructor (24 Courses)

International Academy of Orthopaedic Medicine-US

Non-Operative Orthopaedic Medicine and Manual Therapy

Nonoperative Orthopedic Medicine and Manual Therapy of the Shoulder (IAOM-US)

Amarillo, TX – 07/23-25/1999

Nonoperative Orthopedic Medicine and Manual Therapy of the Wrist & Hand (IAOM-US)

Fort Worth, TX – 11/15-17/2002

- Amarillo, TX – 07/21-23/2000
- Nonoperative Orthopedic Medicine and Manual Therapy of the Hip (IAOM-US)
Dallas, TX – 11/02-04/2001
- Nonoperative Orthopedic Medicine and Manual Therapy of the Knee (IAOM-US)
Dallas, TX – 12/08-10/2000
Long Island, NY – 04/07-09/2000
Tucson, AZ – 03/24-26/2000
- Nonoperative Orthopedic Medicine and Manual Therapy of the Ankle & Foot (IAOM-US)
Tucson, AZ – 09/19-21/2003
Denver, CO – 06/27-29/2003
Lubbock, TX – 04/04-06/2003
Amarillo, TX – 07/27-29/2001
Long Island, NY – 02/09-11/2001
Austin, TX – 08/04-06/2000
- Nonoperative Orthopedic Medicine and Manual Therapy of the Lower Cervical Spine: Disc, Facet, and Uncovertebral Joint (IAOM-US)
Austin, TX - 08/09-11/2002
- Nonoperative Orthopedic Medicine and Manual Therapy of the Cervicothoracic Junction and Thoracic Outlet Syndrome (IAOM-US)
Fort Worth, TX – 11/14-16/2003
Denver, CO - 08/16-18/2002
- Nonoperative Orthopedic Medicine and Manual Therapy of the Thoracic Spine and Ribs (IAOM-US)
Springfield, MO - 08/18-20/2002
- Nonoperative Orthopedic Medicine and Manual Therapy of the Lumbar Spine & Sacroiliac Joint (IAOM-US)
Amarillo, TX – 07/26-28/2002
Lake Tahoe, CA – 09/08-10/2000
Shreveport, LA – 02/18-20/2000
- Nonoperative Orthopedic Medicine and Manual Therapy of Secondary Disorders of the Lumbar Spine: Disc, Facet Joint, Segmental Instability (IAOM-US)
Phoenix, AZ – 04/30-05/02/2010
Denver, CO – 08/20-22/2004
Springfield, MO – 10/24-26/2003
Tucson, AZ – 11/09-11/2001
Minneapolis, MN – 11/10-12/2000

CLINICAL POST-PROFESSIONAL FELLOWSHIP MENTORING

Senior Faculty Instructor (7 Fellows)

International Academy of Orthopaedic Medicine-US

Non-Operative Orthopaedic Medicine and Manual Therapy

Denise Schneider, MS, PT, ATC, COMT	September 2010
Holly Jonely, PT, ATC, ScD, COMT	September 2010
Robert Moss, PT, ScD, COMT	July 30-August 10, 2007
Patty Nelson, PT, COMT	July 30-August 10, 2007

Gail Apte, PT, ScD, OCS, COMT
James Bjornson, PT, COMT
Robert Moss, PT, ScD, COMT

April 9-20, 2007
April 9-20, 2007
July 5-August 15, 2005

PART IV: SERVICE

INSTITUTIONAL COMMITTEES

School of Allied Health Sciences Tenure and Promotion Committee, Member, Texas Tech University Health Sciences Center (August 2007 – Present)

Clinical Fellowship Self Study Committee, Member (March 2004- Present)

Admission Committee of the ScD program in Physical Therapy at Texas Tech University Health Sciences Center, for the Admission of Doctoral Students into the ScD program, Member (2003 – Present)

Coordinator Clinical Internship for the Doctoral Students in Physical Therapy (2003-present)

Member of the Committee for Peer-Reviewed Assessment of Texas Tech University Health Sciences Center Physical Therapy Faculty (2002 – Present)

Member of the Organization Committee for the Cadaver Anatomy Workshop for Clinicians from the Community, Sponsored by Texas Tech University Health Sciences Center in Lubbock -TX (2004 - 2006)

Member Distance Education Committee, Texas Tech University Health Sciences Center Physical Therapy Faculty (2002 – 2003)

Member of the Education and Research Subcommittee of Texas Tech University Health Sciences Center in Amarillo-TX (2000-2002)

ACADEMIC COMMITTEES

Doctorate Dissertation & Clinical Project Doctoral Committees

In-Progress (9)

Chair; Candidate: Serge Saithsoothane; Title: Le b.a.-ba de la Biomécanique
Texas Tech University Health Sciences Center, Lubbock, Texas
2009 – Present

Member; Candidate: Angela Rich, PT; Title: Lumbar Spine Diagnosis and Treatment for Athletic Trainers
Texas Tech University Health Sciences Center, Lubbock, Texas
2009 – Present

Member; Candidate: Omer Matthijs. Synergistic Activation Of The Multifidus And Lateral Abdominal Wall Muscles During Voluntary Abdominal Muscle Activation Strategies Performed In Different Postural Positions.
Texas Tech University, Lubbock, Texas
2009 – Present

Chair; Candidate: Dana Manning, PT, MPT; Title: Inter-Rater Reliability of Cervical Segmental Side-Bend Testing for Joint Mobility, End-Feel and Pain Provocation in Patients with Cervicalgia
Texas Tech University Health Sciences Center, Lubbock, Texas
2008 – Present

Chair; Candidate: Ed Presley, PT, BS; Title: Treatment of Thoracic Outlet Syndrome – Specific mobilizations techniques for the PTA
Texas Tech University Health Sciences Center, Lubbock, Texas
2008 – Present

Member; Candidate: Peter Harris, MPT, COMT; Title: Perceived Factors Influencing Preparation For Clinical Practice In The Orthopedic Physical Therapy Setting As Reported By Entry Level Physical Therapists And Experienced Orthopedic Physical Therapy Specialists: A Delphi Study.
Texas Tech University Health Sciences Center, Lubbock, Texas
2007 – Present

Member; Candidate: Kendall Hales, MPT; Title: Decreasing the incidence of ACL injuries in female athletes.
Texas Tech University Health Sciences Center, Lubbock, Texas
2007 – Present

Member; Candidate: Karl Bergmann, PT, COMT. Title: Differential Diagnosis of Groin Pain for the Primary Care Provider.
Texas Tech University Health Sciences Center, Lubbock, Texas
2008 – Present

Member; Doctoral Committee for James Bjornson, PT, COMT; Title: Diagnostic specific dynamic stabilization exercises for the shoulder girdle complex.
Texas Tech University Health Sciences Center, Lubbock, Texas
2006 – Present

Completed (33)

Chair; Candidate: Megan Vaught, PT, MS; Title: Association of Disturbances in the Thoracic Outlet in Subjects with Carpal Tunnel Syndrome
Texas Tech University Health Sciences Center, Lubbock, Texas
2006 – 2010

Chair; Candidate: Sue Simmerman, PT, OCS; Title: Immediate Changes in Spinal Height and Pain following Aquatic Unloading in Patients with Persistent Low Back Symptoms: A Randomized Clinical Trial.
Texas Tech University Health Sciences Center, Lubbock, Texas
2008 – 2010

Member; Candidate: Cindy Brown. Title: The Effects of Neurodynamic Mobilization on Fluid Dynamics within the Tibial Nerve: A Cadaveric Study
Texas Tech University, Lubbock, Texas
2009 – 2010

Member; Candidate: Daniel Poulsen, MS, PT; Title: Effect of Cognitive Apprenticeship on Student-Clinician Reliability and Concurrent Validity in Rating Quality of Movement of Osteoarthritic Subjects.
Texas Tech University, Lubbock, Texas
2008 – 2009

Member; Candidate: Jeff Denton, PT, BS; Title: Clinical Anatomy of the Upper Quadrant,
Texas Tech University Health Sciences Center, Lubbock, Texas
2008 – 2009

Member; Candidate: Matthew Stump, PT; Title: Shoulder Injuries in the Overhead Throwing Athlete

Texas Tech University, Lubbock, Texas
2009 – Present

Member; Candidate: Kendra Nicks, PT, COMT, Title: Screening and training for ACL injury prevention.

Texas Tech University Health Sciences Center, Lubbock, Texas
2008 – 2009

Member; Doctoral Dissertation Committee for Larry Munger, MS, ATC; Title: Reliability of Functional Performance Tests and their Relationship to Moments Occurring at the Hip and Knee

Texas Tech University, Lubbock, Texas
2006 – 2010

Member; Doctoral Committee for John Glover, MPT; Title: Clinical Evaluation and Treatment of Lumbar Pain, Part 1. An online CME course for primary care providers in Thomas E. Creek VAMC and its Outlying clinics.

Texas Tech University Health Sciences Center, Lubbock, Texas
2007 – 2008

Member; Doctoral Research Committee for Michael McGalliard, MPT; Title: The Activity of the Transverse Abdominis Using the Abdominal Drawing in Maneuver During a Functional Activity: A Research Proposal

Texas Tech University Health Sciences Center, Lubbock, Texas
2007 – 2009

Chair; Doctoral Research Committee for Dale Gerke, MPT, COMT; Title: Change In Stadiometric Spine Height Measurements Following Sustained Lumbar Flexed Sidelying Positions and Seated Postures.

Texas Tech University Health Sciences Center, Lubbock, Texas
2006 – 2009

Chair; Doctoral Research Committee for Conny White, MPT, COMT; Title: The Effect Of Resistive Isometric Internal And External Rotation On The Acromioclavicular Interval.

Texas Tech University Health Sciences Center, Lubbock, Texas
2006 – 2009

Chair; Doctoral Committee for Marsha Rutland, PT, MEd; Title: Evidence-Supported Practice for Prevention, Healing and Management of Tendinopathies - Texas Tech University

Health Sciences Center, Lubbock, Texas
2006 – 2008

Chair; Doctoral Research Committee for Chris Owens, MPT. Title: Changes In Stadiometric Trunk Height Measurements Following Sustained Lumbar Flexion, Extension, And Seated Postures

Texas Tech University Health Sciences Center, Lubbock, Texas
2006 – 2008

Member; Doctoral Research Committee for Patty Pennell, MPT. Title: A Reliability Study of the Stadiometer to Measure Trunk Height

Texas Tech University Health Sciences Center, Lubbock, Texas
2006 – 2008

Chair - Doctoral Committee for Patricia Nelson, MPT, OCS, COMT; Title: Differential Diagnosis and Treatment of Pelvic Pain in Women: A Web-Based Teaching Project.
Texas Tech University Health Sciences Center, Lubbock, Texas
2006 – 2008

Member; Doctoral Research Committee for Julie Bruce, PT, MAT, ATC, COMT; Title: Pre and post operative clinical and gait assessment of the duracon vs. the triathlon total knee prosthesis: A preliminary study
Texas Tech University Health Sciences Center, Lubbock, Texas
2005 – 2008

Chair - Doctoral Research Committee for Nancy Lewis, PT. Title: Impact of an Acute Bout of Stretching and Gender on Posturography
Texas Tech University Health Sciences Center, Lubbock, Texas
2005 – 2008

Graduate Dean's Representative for Kevin Brueilly, PT, MPT's dissertation defense; Title: Facilitation of Psychomotor Skill Acquisition of Entry-Level Physical Therapy Students in a Distance Education Format.
Texas Tech University, Lubbock, Texas
02-2008

Member; Doctoral Research Committee for Robert Moss, PT, COMT; Title: The effects of manual therapy on anterior knee pain.
Texas Tech University Health Sciences Center, Lubbock, Texas
2005 – 2007

Chair; Doctoral Committee for Brian Wienk, MPT, COMT; Title: Evidence-based examination and management of the thoracic spine, ribs, and sacroiliac joint; A teaching project.
Texas Tech University Health Sciences Center, Lubbock, Texas
2005 – 2007

Member; Doctoral Committee for Leila Porath, PT, COMT; Title: Nursing Home Injuries: A review of the literature as it pertains to nursing injuries, particularly in the nursing home setting.
Texas Tech University Health Sciences Center, Lubbock, Texas
2005 – 2007

Member; Doctoral Research Committee for Holly Jonely, MPT, ATC, COMT; Title: The relationship between navicular drop, navicular drift, medial longitudinal arch height and plantar pressure measures during the stance phase of walking: A study of normal subjects.
Texas Tech University Health Sciences Center, Lubbock, Texas
2005 – 2006

Member; Doctoral Research Committee for Gina Fick, MPT, COMT; Title: Diagnostic specific dynamic stabilization exercises for the shoulder girdle complex.
Texas Tech University Health Sciences Center, Lubbock, Texas
2005 – 2006

Member; Doctoral Dissertation Committee for Toby Rogers, MPT; Title: The Influence of Motivation on Muscle Performance After Stretching.
Texas Tech University, Lubbock, Texas
2004 – 2006

Member; Doctoral Committee for Gail Apte, MPT, COMT; Title: Differential Diagnosis and Treatment of Pelvic Pain in Women: A Teaching Project.

Texas Tech University Health Sciences Center, Lubbock, Texas
2005 – 2006

Member; Doctoral Research Committee for Janna McGaugh, MPT, COMT; Title: Comparing the anatomical reliability of the PSIS to the Iliac Crest as a reference landmark for vertebral location in the lumbar spine.

Texas Tech University Health Sciences Center, Lubbock, Texas
2005 – 2006

Chair; Doctoral Research Committee for Tanya Smith, MPT. Title: Association of Disturbances in the Thoracic Outlet in Cyclists with Symptoms of Ulnar Tunnel Syndrome in Guyon's Canal

Texas Tech University Health Sciences Center, Lubbock, Texas
2004 – 2006

Member; Doctoral Committee for Keith Poorbaugh, PT, COMT; Title: Evidence based diagnosis and management of chronic whiplash; A teaching project.

Texas Tech University Health Sciences Center, Lubbock, Texas
2005 – 2006

Member; Doctoral Committee for Aaron Delong, MPT, COMT; Title: Clinical update: Evaluation and management of cervicogenic vertigo; A teaching project. 2004-May 2005.

Texas Tech University Health Sciences Center, Lubbock, Texas
2004 – 2005

Member; Doctoral Research Committee for Greg Dedrick, MPT, COMT; Title: Menstrual cycle's effect on motor control strategies in landing: A kinematic & EMG study.

Texas Tech University Health Sciences Center, Lubbock, Texas
2004-2005.

Member; Doctoral Research Committee for Troy Hounshell, MPT, COMT; Title: The Effect of the menstrual cycle on postural control strategies in eumenorrheic women.

Texas Tech University Health Sciences Center, Lubbock, Texas
2004-2005.

Chair; Doctoral Research Committee for Kerry Gilbert, MPT. Title: Lumbosacral Nerve Root Displacement and Strain During Straight Leg Raise Neural Tension Testing: A Fresh Cadaveric Study.

Texas Tech University Health Sciences Center, Lubbock, Texas
2003 – 2004

COMMUNITY ACTIVITIES

Mentor Tech Program – Member To support Minority Students (2007 – present)

Responsible for the Physical Therapy Coverage of the Swimming Events for the Games of Texas (07/1997)

Physical Therapy of the "Lubbock Ballet" (1996-1997)

Guest Speaker in Child Birth Education Class for Pediatric Basic Life Support (Texas) - 1994

Guest Speaker to the Adult Diabetic Support Group (Texas) - 1991-1992

Guest Speaker to a Walking Support Group (Suriname) - 1988

Leader "Youngster's Club" for Children 10-15 years old (Belgium) - 1981-1983

POSITIONS HELD IN PROFESSIONAL ORGANIZATIONS

Chair – Research Committee – American Academy of Orthopaedic Manual Physical Therapists (12/2008 – Present)

Chairperson/Moderator Educational session Annual Conference and Exposition of the American Physical Therapy Association, San Antonio (06-2008)

Reviewer & Site Visitor APTA Residency/Fellowship Credentialing Subcommittee (2008 – Present)

Programs reviewed

1. Louisiana State University & PT Pros Orthopaedic and Practice Management Residency – 2008
2. North American Institute of Orthopaedic Manual Therapy Fellowship Program – 2009
3. Sports Medicine of Atlanta's Manual Therapy Fellowship Program - 2010

Member of the Specialization Academy of Content Experts (SACE) – American Board of Physical Therapy Specialties - Item Writer (2008 & 2009)

Program Director Clinical Residency - Fellowship Program IAOM-US (2001-Present)

Reviewer for the Texas Physical Therapy Association Poster and Platform Presentations (2006 – Present)

Member – Research Committee – American Academy of Orthopaedic Manual Physical Therapists (2004 – Present)

Reviewer for the Research Committee's Grant Subcommittee of the American Academy of Orthopaedic Manual Physical Therapists (2005 – Present)

Coordinator of all IAOM-US Orthopedic and Manual Therapy Courses Sponsored by Texas Tech University Health Sciences Center in Lubbock -TX (2004 - present)

Chair Research Committee International Academy of Orthopedic Medicine (American Section) (1998-Present)

Chair Education Committee South Plains District, Texas Physical Therapy Association - 1997

CONSULTATIVE AND ADVISORY POSITIONS

Deputy Editor

Journal of Manual and Manipulative Therapy – 2009 – Present

Peer Reviewer for Journals

Journal of Orthopaedic and Sports Physical Therapy – 2004 – present
Archives of Physical Medicine and Rehabilitation – 2004 – present

Physical Therapy – 2006 - present
Chiropractic and Osteopathy – 2006 - present
Journal of Manipulative and Physiological Therapeutics – 2006 – present
Journal of Manual and Manipulative Therapy – 2007 – Present
Sports Health – 2009 – Present
Research Quarterly for Exercise and Sport – 2009 - Present

Peer Reviewer for Textbooks

Cook, C. Orthopaedic Manual Therapy – Prentice Hall Health, Upper Saddle River, NJ – 2005

Fernando, C.K. Intervertebral Discs and Other Mechanical Disorders of the Lumbar Spine: Conservative Management - PRO-ED Inc. - Austin, TX - 2005

Peer Reviewer for Grants

European Science Foundation – European Space Agency & NASA

Reviewer

2009

Proposal 922: Felsenberg D, Belavy D, Beller G, Willnecker J, Rawer R. Assessment of in-flight bone density, muscle density and muscle morphology changes in the forearm and lower leg and efficiency of countermeasures using peripheral quantitative computed tomography (pQCT-in-space)

Proposal 976: Vico L, Vainionpaa A, Prostyakov I, Laroche N, Berthier A, Morukov B, Alexandre C, Jamsa T. Bone recovery and Impact exercise after Space Exposure (BISE)

Proposal 1118: Influence of postural and respiratory exercises issued from internal martial arts. Qi-Gong and Tai-Chi-Chuan to prevent and/or alleviate lower back pain, loss of balance and stress in astronauts. (LOBAPAREST)

Proposal 1202: Miura Y, Kaji H, Yuge L, Kurosaka M. Prevention of osteoporosis in a microgravity environment by low-intensity pulsed ultrasound therapy (LIPUT)

Reviewer & Rapporteur

2009

Proposal 1210: Boyd SK, Liphardt A, Heer M, Smith S. Assessment of the effect of space flight on bone quality using three-dimensional high resolution peripheral quantitative computed tomography (HR-pQCT) (Bone Quality)

Proposal 1221: Iwase S, Wuyts F, van Loon J, Lackner J, Rittweger J, Sugenoja J, Young L, Nishimura N. Artificial gravity with ergometric exercise as the countermeasure for space deconditioning in humans (AGREE)

American Academy of Orthopaedic Manual Physical Therapy

Dunning J, Cleland J, Arnot C. Short-term effects of upper cervical and upper thoracic high-velocity low-amplitude thrust manipulation versus mobilization on range of motion, motor performance, pain and disability in patients with chronic idiopathic neck pain: a multi-center randomized clinical trial - American Academy of Orthopaedic Manual Physical Therapists, 2009 Orthopaedic Physical Therapy Products Grant (\$4,000)

Sizer PS, Tichenor CJ, Courtney C, Cook CE, Hegedus E, Boissonnault W. Examining The Role Of Fellowship Education On Clinical Decision-Making: A Clinical Vignette Study - American Academy of Orthopaedic Manual Physical Therapists, 2009 Cardon Rehabilitation Products Grant (\$6,000)

Cunningham, S. Inter-Rater Reliability Of The Screenassist Questionnaire - American Academy of Orthopaedic Manual Physical Therapists, 2009 Cardon Rehabilitation Products Grant Applicant (not funded)

May JR, Struessel T, Mintken P, Sonnenberg E, Carpenter K. An Evidence-Based Paradigm: Student Perceived Barriers to Learning and Practicing Spinal Manipulation - American Academy of Orthopaedic Manual Physical Therapists, 2007 Cardon Rehabilitation Products Grant (\$5,000)

Cleland JA, Flynn TW. Comparison of the Effectiveness of an Impairment-Based Manual Therapy and Exercise Approach Versus Traditional Treatment in the Management of Heel Pain: A Randomized Clinical Trial - American Academy of Orthopaedic Manual Physical Therapists, 2007 Cardon Rehabilitation Products Grant (\$5,000)

Lewis C, Smith W. Developing a prototype tool for performing joint mobilization on the spine - American Academy of Orthopaedic Manual Physical Therapists, 2007 Cardon Rehabilitation Products Grant (\$5,000)

Erickson M. Cardiovascular Response to Noxious Manual Physical Therapy Interventions in Normal Subjects - American Academy of Orthopaedic Manual Physical Therapists, 2006 Cardon Rehabilitation Products Grant (\$5,000)

Heiderscheit B, Boissonnault W. Identifying Thoracic Spine and Rib Origins of Exercise-Related Transient Abdominal Pain - American Academy of Orthopaedic Manual Physical Therapists, 2006 Cardon Rehabilitation Products Grant (\$5,000)

Cleland JA, Fritz JM, Childs J, Kulig K. Comparison of the Effectiveness of Three Manual Physical Therapy Techniques in a Subgroup of Patients with Low Back Pain Who Satisfy a Clinical Prediction Rule: A Randomized Clinical Trial - American Academy of Orthopaedic Manual Physical Therapists, 2005 Cardon Rehabilitation Products Grant (\$5,000)

Cook C, Figuers C, Sizer PS. Associative Clinical Examination and Clinical Special Test Findings during Classification of Patients with Pelvic Girdle Pain: A Prospective Clinical Investigation - American Academy of Orthopaedic Manual Physical Therapists, 2005 Cardon Rehabilitation Products Grant (\$5,000)

Judge

Texas Tech University Annual Student Research Week – Poster Competition Judge (2010 – Present)

Peer Reviewer for Continuing Education Programs

Peer Reviewer for the Texas Physical Therapy Association to Evaluate Continuing Education Programs for Physical Therapists and Physical Therapists Assistants in the Areas of Orthopedics, Research and Sports (2000-Present)

CURRENT CLINICAL PRACTICE

Orthopaedic diagnostics and manual therapy consultant, University Medical Center
Outpatient Services