

Kindyle L. Brennan, PT, PhD, OCS, COMT
Professor
Doctor of Physical Therapy Program
Mayborn College of Health Sciences
University of Mary Hardin-Baylor
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Belton, Texas 76513
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Education

Doctor of Philosophy – August 2002
Texas Woman's University – Houston Campus
Physical Therapy

Master of Science – May 1997
Texas Woman's University - Houston Campus
Physical Therapy

Bachelor of Science – May 1995
University of Texas at Austin
Kinesiology

License

Physical Therapy - TX 118594
Initially issued - 12/30/1997
Current exp - 1/31/2022

Board Certification

Orthopaedic Certified Specialist
American Board of Physical Therapy Specialties
Issued 2008; renewed 2018

Other Advanced Certifications

Selective Functional Movement Assessment, Functional Movement Systems (2014)

Certified in Trigger Point Dry Needling, Level II, Kinetacore Physical Therapy Education (2012)

Certified in Trigger Point Dry Needling, Level I, Kinetacore Physical Therapy Education (2011)

Certified Orthopaedic Manipulative Therapist, Level IV, North American Institute of Orthopaedic Manual Therapy (2010)

Certified Orthopaedic Manual Therapist, Level III, North American Institute of Orthopaedic Manual Therapy (2008)

NAIOMT Level II, North American Institute of Orthopaedic Manual Therapy (2004)

NAIOMT Level I, North American Institute of Orthopaedic Manual Therapy (2000)

Clinical Experience

Professor, Doctor of Physical Therapy Program, University of Mary Hardin-Baylor, Belton, Texas. 2020-Present.

Associate Professor, Doctor of Physical Therapy Program, University of Mary Hardin-Baylor, Belton, Texas. 2016-2020.

Assistant Director of Research, Roney Bone and Joint Institute, Department of Orthopaedic Surgery, Baylor Scott and White Memorial Hospital, Temple, Texas. 2019-2020.

Physical Therapist and Researcher, Roney Bone and Joint Institute, Department of Orthopaedic Surgery, Baylor Scott and White Memorial Hospital, Temple, Texas. 2008-2020.

Assistant Professor, Department of Surgery, Texas A&M Health Science Center, Temple, Texas. 2012-2020.

Director of Clinical Research, Roney Bone and Joint Institute, Department of Orthopaedic Surgery, Baylor Scott and White Memorial Hospital. 2008-2016

Adjunct Professor, Doctor of Physical Therapy Program, University of Mary Hardin-Baylor, Belton, Texas. Jan 2016-Aug 2016

Clinical Education Coordinator, Integrity Rehab, Killeen, Texas. 2005-2007

Physical Therapist, Integrity Rehab, Killeen, Texas. 2005-2007

Physical Therapist, Georgetown Physical Therapy, Georgetown, Texas. 2003-2005

Professional Affiliations

- American Physical Therapy Association
- Academy of Orthopaedic Physical Therapy
- Texas Physical Therapy Association
- American Academy of Orthopaedic Manual Therapist

- North American Spine Society (Active Membership)
- American Institute of Ultrasound in Medicine

Teaching

University of Mary Hardin Baylor

- Patient Management: Evaluation and Assessment (Doctoral)
- Musculoskeletal Rehabilitation I (Doctoral)
- Musculoskeletal Rehabilitation II (Doctoral)
- Musculoskeletal Rehabilitation III (Doctoral)
- Critical Inquiry I (Doctoral)
- Critical Inquiry II (Doctoral)
- Critical Inquiry III (Doctoral)
- Professional Seminar (Doctoral)
- Therapeutic Interventions: Joint Mobilizations (Doctoral)

Service

University Involvement

- Professional Affairs Committee, UMHB, 2020-present
- Cru Campus Clinic start-up coordinator, UMHB, 2019-present
- Task Force for DPT Campus Clinic Development, UMHB, 2019-present
- Admissions Committee for Doctor of Physical Therapy Program, UMHB, 2018-Present
- Investigational Review Board, UMHB, 2016-Present
- Search Committee for Director of Occupational Therapy Program, UMHB, 2016
- Pro Bono Therapy Services to UMHB Faculty and Staff, UMHB, 2015- Present

Professional Conferences

- Foot and Ankle Special Interest Group (Orthopaedic Section of APTA)/ American Orthopaedic Foot and Ankle Surgery Annual Meeting, 2018
- American Academy of Orthopaedic Physical Therapists, 2014, 2016, 2018, 2019
- Texas Physical Therapy Association, 2018
- American Physical Therapy Association Combined Sections Meeting, 2017, 2019, 2020
- Manipalooza Conference, 2016, 2017
- Mid-American Orthopaedic Association Meeting, 2016
- Western Orthopaedic Association Annual Meeting, 2013
- American Academy of Orthopaedic Surgeons, 2011-2013
- Orthopaedic Trauma Association Annual Meeting, 2010, 2012, 2018
- Southern Orthopedic Association Annual Meeting, 2010- 2013, 2015

Professional

- **Member, Specialization Academy of Content Experts**, Orthopaedic Specialty Council, 1/2019-12/2020; 1/2021-1/2023.
- **Judge**, Poster Presentations, American Academy of Orthopaedic Physical Therapists, 2019
- **Editorial Board Member and Reviewer**, Journal of Manual and Manipulative Therapy, 2018-present
- **Reviewer**, SAGE Open Medical Case Reports, 2018-present
- **Reviewer**, Journal of Acupuncture and Meridian Studies, 2018-present
- **Reviewer**, Arthritis Research and Therapy, 2018- present
- **Judge**, Baylor Scott and White Annual Research Symposium, 2017
- **Reviewer**, Baylor Scott and White Internal Research Funding, 2013- Present
- **Reviewer**, Computer Methods in Biomechanics and Biomedical Engineering, 2009-present

Presentations

Invited Lectures & Speaking Engagements

1. Speaker, The Core of Spinal Health, **UMHB Wellness Seminar**, Belton, Texas, 2017.
2. Speaker, Dry Needling: What we know, What we think, and What we do. **Texas Physical Therapy Association**, Heart of Texas Chapter, Belton, Texas, 2017.
3. Speaker, Physical Therapy in the Treatment of Spinal Pain. **Spine Symposium**, Baylor Scott and White, Temple, Texas, 2016.
4. Speaker, The Role of the Physical Therapist in Movement Evaluation/Intervention in Patients with Chronic Pain. **Baylor Scott and White**, Temple, Texas, 2015

Podium Presentations

1. Comire M, Comire M, Davis C, Elifritz K, Joseph R, Mendoza J, Rodriguez E, Jupiter D, **Brennan KL**. Rate and Maintenance of Improvement in Myofascial Pain: Dry Needling alone vs Dry Needling with Intramuscular Electrical Stimulation. **American Academy of Orthopaedic Manual Physical Therapists Annual Conference**, Orlando, FL, 2019.
2. **Brennan KL**, Adom Z, Kendrick E, Davies C, Jupiter D. Changes in Trigger Point Area on Diagnostic Ultrasound in Response to Dry Needling. **American Academy of Orthopaedic Manual Physical Therapists Annual Conference**, Reno, NV, 2018.
3. Cooper T., Campana R., **Brennan K.L.**, Brennan M.L., Stahl D. Fixation of Medial Malleolar Fractures: A Clinical and Radiographic Comparison of Unicortical Partially Threaded Lag Screws and Unicortical Fully Threaded Neutralization Screws. **Mid-America Orthopaedic Association Meeting**, Bonita Springs, FL, 2016.
4. Hughes J., **Brennan K.L.**, Bartley J., Munoz M.Y., Robinson W., Brennan M.L., Chaput C. Rate of Contralateral Hip Fracture Following Dynamic Hip Screw versus Intramedullary Nail

for the Treatment of Peritrochanteric Hip Fractures. **Southern Orthopaedic Association Annual Meeting**, Asheville, NC, 2015.

5. Shar A., Randell T., **Brennan K.L.**, Jupiter D.C., Hubert Z.T., Brennan M.L. Mortality After Femoral Neck Fractures in the Elderly Based on Age-Modified Charlson Comorbidity Index Score and Treatment Modality. **Southern Orthopaedic Association Annual Meeting**, White Sulphur Springs, WV, 2012.

Poster Presentations

1. **Brennan KL**, Barker J, Berreth R, Fox R, Maldonado M, Vancleave C, Wong R, Zargoza J, Tinnin M, Tinsley G, Taylor L. The Effects of Acute Resistance Exercise on Bioelectrical Impedence Analysis of Segmental Body Composition Analysis. **National Strength and Conditioning Association Annual Meeting**, Virtual; 2020.
2. Wong R, Barker J, Berreth T, Fox R, Maldonado M, Vancleave C, Zargoza J, Tinnin M, Tinsley G, Taylor L, **Brennan KL**. The Effects Of Acute Resistance Exercise On Bioelectrical Impedance Analysis Measures Of Body Composition. **Texas chapter of the American College of Sports Medicine Annual Meeting**, Waco, TX, 2020.
3. Barker J, Berreth R, Fox R, Maldonado M, Vancleave C, Wong R, Zargoza J, Tinnin M, Tinsley G, Taylor L, **Brennan KL**. The Effects Of Acute Resistance Exercise On Dual Energy X-Ray Absorptiometry Measures Of Body Composition. **Texas chapter of the American College of Sports Medicine Annual Meeting**, Waco, TX, 2020.
4. Comire M, Comire M, Davis C, Elifritz K, Joseph R, Mendoza J, Rodriguez E, Jupiter D, **Brennan KL**. Rate and Maintenance of Improvement in Myofascial Pain: Dry Needling alone vs Dry Needling with Intramuscular Electrical Stimulation. **Combined Sections Meeting of the American Physical Therapy Association**, Denver, CO, 2020.
5. **Brennan KL**, Adom Z, Kendrick E, Davies C, Jupiter D. Changes in Trigger Point Area on Diagnostic Ultrasound in Response to Dry Needling. **University of Mary Hardin-Baylor Scholars Day**, 2018.
6. **Brennan KL**, Adom Z, Kendrick E, Davies C, Jupiter D. Changes in Trigger Point Area on Diagnostic Ultrasound in Response to Dry Needling. **Texas Physical Therapy Association Annual Conference**, San Antonio, TX, 2018.
7. Hughes J.L., Hughes J.D., **Brennan K. L.**, Maldonado Y.M., Stahl D., Brennan M.L. Relationship between Hemoglobin A1c Value and Bone Healing in Diabetic Ankle Fractures Treated Operatively vs Non-Operatively. **American Foot and Ankle Society/APTA Foot and Ankle Special Interest Group**, Boston, MA, July 2018
8. Hayward S, Brandon K, Bridges A, Formina C, Wooden H, **Brennan KL**, Wilborn C. The Effects of Dry Needling and Dry Needling with E-stim on the Neck Disability Index and Markers of Pain. **Baylor Scott and White Annual Research Symposium**, April 2018.
9. Hughes J.L., Hughes J.D., **Brennan K. L.**, Maldonado Y.M., Stahl D., Brennan M.L. Relationship between Hemoglobin A1c Value and Bone Healing in Diabetic Ankle Fractures Treated Operatively vs Non-Operatively. **Western Orthopaedic Association**, Kauai, HI, August 2017
10. Hayward S, Brandon K, Bridges A, Formina C, Wooden H, **Brennan KL**, Wilborn C. The Effects of Dry Needling and Dry Needling with E-stim on the Neck Disability Index and Markers of Pain. **University of Mary Hardin-Baylor Scholars Day**, November 2017.

11. Patel K.V., Shar A., Hubert Z., Randell T.T., Jupiter D.C., **Brennan K.L.**, Brennan M.L., Probe R.A., Davis M.L. A Modified Frailty Index: Correlation to One- and Two-year Mortality in Geriatric Femoral Neck Fractures. **American Academy of Orthopaedic Surgeons Annual Meeting**. Chicago, IL, 2013.
12. Griffin J.S., Murphy D.K., **Brennan K.L.**, Brennan M.L., Jupiter D.C. What is the Impact of Age on Reoperation Rates for Femoral Neck Fractures Treated with Closed Reduction Percutaneous Pinning and Hemiarthroplasty? **Western Orthopaedic Association Annual Meeting**, Lake Tahoe, CA, 2013.
13. Griffin J.S., Murphy D.K., **Brennan K.L.**, Brennan M.L., Jupiter D.C. The Impact of Age on Reoperation Rates for Femoral Neck Fractures Treated with Percutaneous Pinning and Hemiarthroplasty? **Southern Orthopaedic Association Annual Meeting**, Palm Beach, FL, 2013.
14. Kummerfeld D., Allen N., **Brennan K.** Survivorship Analysis of Mayo Conservative Hip versus the Versys Hips. **American Academy of Orthopaedic Surgeons**, San Francisco, CA, 2012.
15. Wright C., **Brennan K.**, Song J., Rham M. Evaluation of a Novel Educational Resource: Digital Casting and Splinting Manual. **American Academy of Orthopaedic Surgeons**, San Francisco CA, 2012
16. Murphy D.K. Randell T., **Brennan K.L.**, Song J., Hamilton J.M., Brennan M.L., Probe R.A. Influence of Displacement and Treatment Method on Survivorship of the Index Procedure for Femoral Neck Fracture. **Orthopaedic Trauma Association Annual Meeting**, San Antonio, TX, 2011
17. Souder C.D., Brennan M.L., **Brennan K.L.**, Chaput C., Williams J. The Rate of Contralateral Proximal Femur Fracture Following Closed Reduction Percutaneous Pinning (CRPP) versus Arthroplasty in Treatment of Femoral Neck Fractures. **American Academy of Orthopaedic Surgery Annual Meeting**, San Diego, CA, 2011.
18. Murphy D.K., Randell T., **Brennan K.L.**, Song J., Hamilton J., Brennan M., Probe R. Influence of Displacement and Treatment Method on Survivorship of the Index Procedure for Femoral Neck Fracture. **Orthopaedic Trauma Association Annual Meeting**, San Antonio, Texas, 2011
19. Souder C.D., Brennan M.L., **Brennan K.L.**, Chaput C., Williams J. The Rate of Contralateral Proximal Femur Fracture Following Closed Reduction Percutaneous Pinning (CRPP) versus Arthroplasty in Treatment of Femoral Neck Fractures. **Orthopaedic Trauma Association Annual Meeting**, Baltimore, MD, 2010.
20. Allen B.C., Benton Jr. G., **Brennan K.L.**, Hitt K.B., Kelley D.P., & Kummerfeld D. Survival of the Mayo Conservative Femoral Stem Compared to Conventional System. **Southern Orthopaedic Association Annual Meeting**, Puerto Rico, 2010.

Publications

Publications in Process

1. Effects of Dry Needling on Blood Glucose Levels in Individuals with Diabetes: a Case Series.

Publications in Peer Reviewed Journals

1. Comire M, Elifritz K, Jupiter D, **Brennan KL**. Rate and Maintenance of Improvement of Myofascial Pain: Dry Needling alone vs. Dry Needling with Intramuscular Electrical Stimulation. Accepted September 2020. *Journal of Manual and Manipulative Therapy*.
2. Page B, **Brennan KL**, Brennan ML. Subtrochanteric Fracture after Cannulated Screw Fixation of Femoral Neck Fractures: Biomechanical Analysis and Case Series. *Annals of Physiotherapy and Occupational Therapy*. 2020; 3(3): ISSN 2640-2734.
3. **Brennan KL**, Barker J, Berreth R, Fox R, Maldonado M, Vancleave C, Wong R, Zargoza J, Tinnin M, Tinsley G, Taylor L. The Effects of Acute Resistance Exercise on Bioelectrical Impedance Analysis of Segmental Body Composition Analysis. *Journal of Strength and Conditioning Research*; 2020; **ADD Vol(Ed). abstract #**.
4. Barker J, Berreth R, Fox R, Maldonado M, Vancleave C, Wong R, Zargoza J, Tinnin M, Tinsley G, Taylor L, **Brennan KL**. The Effects Of Acute Resistance Exercise On Dual Energy X-Ray Absorptiometry Measures Of Body Composition. *International Journal of Exercise Science*. 2020; 2(12). Abstract 4355
5. Wong R, Barker J, Berreth T, Fox R, Maldonado M, Vancleave C, Zargoza J, Tinnin M, Tinsley G, Taylor L, **Brennan KL**. The Effects Of Acute Resistance Exercise On Bioelectrical Impedance Analysis Measures Of Body Composition. *International Journal of Exercise Science*. 2020; 2(12). Abstract 4353.
6. Comire M, Davis C, Elifritz K, Joseph R, Mendoza J, Rodriguez E, Jupiter D, **Brennan KL**. Improvement in Myofascial Pain: Dry Needling alone vs Dry Needling with Intramuscular Electrical Stimulation. *Journal of Orthopaedic and Sports Physical Therapy*. 2020; 50(1). Abstract OPO31.
7. **Brennan KL**, Adom Z, Kendrick E, Davies C, Jupiter D. Changes in Trigger Point Area on Diagnostic Ultrasound in Response to Dry Needling. *J of Manual Manip Ther*. 2018. Abstract ID 24/PL5.
8. Hughes J.L., Hughes J.D., **Brennan K.L.**, Maldonado Y.M., Stahl D, Brennan M.L. Relationship between Hemoglobin A1c Value and Bone Healing in Diabetic Ankle Fractures Treated Operatively vs Non-Operatively. *Foot and Ankle International*. Submitted for publication.
9. **Brennan K.L.**, Allen B.C., & Munoz M.Y. Dry Needling vs. Cortisone Injection in the Treatment of Greater Trochanteric Pain Syndrome. *Journal of Orthopaedic & Sports Physical Therapy*. 2017;47(4): 232-240.
10. Vaughan C., Jordan M., Reilly J., Jupiter D., **Brennan K.**, Hitt K., & Chaput C. The Relationship of Body Mass Index to Total Hip Athroplasty Complications. *Texas Orthopaedic Journal*. 2016;2(1):61-72.
11. Hughes J.D., Hughes J.L., Hamilton W.P., & **Brennan K.L.** Infection Rates in Arthroscopic Versus Open Rotator Cuff Repair. *Orthopaedic Journal of Sports Medicine*. 2017;5(7). DOI: 10.1177/2325967117715416
10. Hughes J., **Brennan K.L.**, Bartley J., Munoz M.Y., Brennan M.L., & Chaput C. Rate of Contralateral Hip Fractures Following Dynamic Hip Screw versus Intramedullary Nail for the Treatment of Peritrochanteric Hip Fractures. *Proc (Bayl Univ Med Cent)* 2017;30(3):268-272.
11. Stahl D., Ellington M., **Brennan K.L.**, & Brennan M.L. The Association of Ipsilateral Rib

- Fracture with Displacement of Midshaft Clavicle Fractures. *J Orthop Trauma* 2017;31:225-228.
12. Cooper T., **Brennan K.L.**, Brennan M.L., & Stahl D. Fixation of Medial Malleolar Fractures: A Clinical and Radiographic Comparison of Unicortical Partially Threaded Lag Screws and Unicortical Fully Threaded Neutralization Screws. *Journal of Orthopaedic Trauma*. (2016) Submitted.
 13. Patel K.V., **Brennan K.L.**, Brennan M.L., Jupiter D.C., Shar A., & Davis M.L., (2014). Association of a Modified Frailty Index with Mortality After Femoral Neck Fracture in Patients Aged 60 Years and Older. *Clinical Orthopaedics and Related Research*. 472(3): 1010-7.
 14. Patel K.V., **Brennan K.L.**, Davis M.L., Jupiter D.C., & Brennan M.L., (2014). High Energy Femoral Fractures Increase Morbidity but not Mortality in Elderly Patients. *Clinical Orthopaedics and Related Research*, 472(3): 1030-5.
 15. Murphy D.K., Randell T., **Brennan K.L.**, Probe R.A., & Brennan M.L., (2013). Treatment and Displacement Affected the Reoperation Rate for Femoral Neck Fracture. *Clinical Orthopaedics and Related Research*, 471(8): 2691-2702.
 16. Souder C.D., Brennan M.L., **Brennan K.L.**, Williams J., Chaput C. (2012). The Rate of Contralateral Proximal Femur Fracture Following Closed Reduction Percutaneous Pinning (CRPP) versus Arthroplasty in Treatment of Femoral Neck Fracture. *The Journal of Bone and Joint Surgery. American Volume*, 94: 418-425.

Research Experience

Served as Principle Investigator, Co-Investigator, or Research Associate

1. Effects of Acute Resistance Exercise on Bioelectrical Impedence Analysis and Dual Energy Xray Absorption Measures of Body Composition. **PI: Kindyle Brennan**/Lem Taylor, University of Mary Hardin-Baylor, 2019-Present.
2. Normative Cognitive Aptitude data of Certified Clinical Specialists in Physical Therapy (Funded by Summer Research Grant). **PI: Kindyle Brennan**, Patty Nelson, University of Mary Hardin-Baylor, 2019-Present.
3. Effects of Blood Flow Restriction Training with Arginine Supplementation. **PI: Kindyle Brennan**, Colin Wilborn, University of Mary Hardin-Baylor, 2019-Present.
4. Clinical Outcomes and Six Week follow up following Dry Needling, with and without intramuscular Estim, in Patients with Neck Disability and Pain. **PI: Kindyle Brennan**, University of Mary Hardin-Baylor, 2019-present.
5. Six Week Follow-up of Clinical Outcomes following Dry Needling, with and without intramuscular Estim, in Patients with Neck Disability and Pain. **PI: Kindyle Brennan**, University of Mary Hardin-Baylor, 2018-present.
6. Failure of Peri-Implant Subtrochanteric Femur Fractures Status Post Closed Reduction Percutaneous Pinning (CRPP): Comparison of Screw Placement. (Funded by Faculty Research Grant **CI and grant author: Kindyle Brennan**, University of Mary Hardin-Baylor, Spring 2017-Present.
7. Ankle Fractures in the Diabetic Patient. (Funded by: Department of Orthopaedics Fund) **PI: Kindyle Brennan**, Baylor Scott and White Memorial Hospital, Fall 2015-Present

8. **Brennan KL**, Adom Z, Kendrick E, Davies C, Jupiter D. Changes in Trigger Point Area on Diagnostic Ultrasound in Response to Dry Needling. University of Mary Hardin-Baylor, 2017-2018.
9. The Effects of Dry Needling and Dry Needling with E-stim on the Neck Disability Index and Markers of Pain. **PIs: Kindyle Brennan/Colin Wilborn**, University of Mary Hardin-Baylor, 2016-2018.
10. Rate of Ipsilateral Proximal Femur Fracture Following Initial Proximal Femur Fracture (excluding Femoral Neck Fracture.). (Funded by: Department of Orthopaedics Fund) **CI: Kindyle Brennan**, Baylor Scott and White Memorial Hospital, Fall 2015 – present.
11. Rate of Post-Op Infection following Rotator Cuff Repair: Arthroscopy vs. Open procedures. (Funded by: Department of Orthopaedics Fund). **PI: Kindyle Brennan**, Baylor Scott and White Memorial Hospital, Fall 2012- 2016.
12. Hemoglobin A1C a Predictor of Complications after Total Knee Arthroplasty. (Funded by: Department of Orthopaedics Fund) **CI: Kindyle Brennan**, Baylor Scott and White Memorial Hospital, Fall 2011-2016.
13. Radiographic Comparison of Two Types of Radial Head Implants. (Funded by: Department of Orthopaedics Fund) **CI: Kindyle Brennan**, Baylor Scott and White Memorial Hospital. Spring 2014.
14. Association of Clavicle Fracture Displacement with Rib Fractures. (Funded by: Department of Orthopaedics Fund) **CI: Kindyle Brennan**, Baylor Scott and White Memorial Hospital, Spring 2013.
15. Role of Advanced Imaging in Evaluation of Post-Operative Delirium after Inpatient Orthopaedic Surgery. (Funded by: Department of Orthopaedics Fund) **CI: Kindyle Brennan**, Baylor Scott and White Hospital, Spring 2013.
16. The Rate of Contralateral Proximal Femur Fracture Following Intramedullary Nail (INM) versus Dynamic Hip Screw and Plate (DHS) in Treatment of Proximal Femoral Fractures, excluding Femoral Neck Fractures. (Funded by: Department of Orthopaedics Fund) **CI: Kindyle Brennan**, Baylor Scott and White Memorial Hospital, Spring 2013.
17. Fixation of Medial Malleolar Fractures: A Clinical and Radiographic Comparison of Unicortical Partially Threaded Lag Screws and Unicortical Neutralization Screw Following Point-to-Point Clamping. (Funded by: Department of Orthopaedics Fund) **CI: Kindyle Brennan**, Baylor Scott and White Memorial Hospital, Spring 2013.
18. The Effect of Age on Reoperation Rate and Mortality in Femoral Neck Fractures. (Funded by: Department of Orthopaedics Fund) **CI: Kindyle Brennan**, Baylor Scott and White Memorial Hospital, Fall 2012.
19. High versus Low Energy Femur Fractures in Geriatric Populations. (Funded by: Research Mentorship Award) **CI: Kindyle Brennan**, Baylor Scott and White Memorial Hospital, Spring 2012.
20. Cortisone Injection versus Trigger Point Dry Needling in the Treatment of Greater Trochanter Pain Syndrome: A Pilot Study. (Funded by: Research Mentorship Award) **PI: Kindyle Brennan**, Baylor Scott and White Memorial Hospital, Spring 2013.
21. Infection Following Rotator Cuff Repair; with and without Ioband: A Retrospective Study. (Funded by: Department of Orthopaedics) **PI: Kindyle Brennan**, Baylor Scott and White Memorial Hospital, Spring 2012.

22. Retrospective Analysis of Proximal Femur Fractures Excluding Femoral Neck Fracture. (Funded by: Department of Orthopaedics Fund) **CI: Kindyle Brennan**, Baylor Scott and White Memorial Hospital, Spring 2012.
23. Hemoglobin Trends in Arthroplasty Patients and the Implications pm Discharge Delays and Costs. (Funded by: Department of Orthopaedics Fund) **CI: Kindyle Brennan**, Baylor Scott and White Memorial Hospital, Spring 2012.
24. Treatment Outcomes of Modern Plating Techniques in the Interprosthetic Femur Fracture. (Funded by: Department of Orthopaedics Fund) **CI: Kindyle Brennnan**, Baylor Scott and White Memorial Hospital, Fall 2011.
25. BMI and Direct Hip Adiposity in Relation to Total Joint Arthroplasty Complications. (Funded by: Department of Orthopaedics Fund) **CI: Kindyle Brennan**, Baylor Scott and White Memorial Hospital, Fall 2011.
26. Hemoglobin A1C Value in Relation to Total Knee Arthroplasty Complications. (Funded by: Department of Orthopaedics Fund) **CI: Kindyle Brennan**, Baylor Scott and White Memorial Hospital, Spring 2011.
27. Free Vascularized Fibula Grafting versus Core Decompression in Treatment of Femoral Head Osteonecrosis. (Funded by: Department of Orthopaedics Fund) **CI: Kindyle Brennan**, Baylor Scott and White Memorial Hospital, Spring 2011.
28. Radiographic Evaluation of Elderly Distal Radius Fracture Following Reduction and the Role of Osteoporosis. (Funded: Department of Orthopaedics Fund) **CI: Kindyle Brennan**, Baylor Scott and White Memorial Hospital, Spring 2011.
29. Scott and White Hip Fracture Database. (Funded by: Department of Orthopaedics Fund) **CI: Kindyle Brennan**, Baylor Scott and White Memorial Hospital, 2011-2017.
30. Resident Perception of an Evidenced Based Casting and Splinting Manual. (Funded by: Department of Orthopaedics Fund) **CI: Kindyle Brennan**, Baylor Scott and White Memorial Hospital, Fall 2010.
31. Minifragment Implantation Fixation in the Treatment of Extremity Fractures and Nonunions. (Funded by: Department of Orthopaedics Fund) **CI: Kindyle Brennan**, Baylor Scott and White Memorial Hospital, Spring 2010.
32. Role of Inflammatory Markers in the Pre-Operative Evaluation of Patients Undergoing Total Hip Arthroplasty for Failed Internal Hip Fixation of the Hip. (Funded by: Department of Orthopaedics Fund) **CI: Kindyle Brennan**, Baylor Scott and White Memorial Hospital, Spring 2010.
33. Retrospective Analysis of Femoral Neck Fractures: Closed Reduction Internal Fixation versus Hemiarthroplasty verses THA. (Funded by: Department of Orthopaedics Fund) **CI: Kindyle Brennan**, Baylor Scott and White Memorial Hospital, Spring 2010.
34. Outcomes after Open Reduction and Internal Fixation of Adolescent Femoral Shaft Fractures. (Funded by: Department of Orthopaedics Fund) **CI: Kindyle Brennan**, Baylor Scott and White Memorial Hospital, Fall 2009.
35. Success of Repeat Two-Stage Revision in Hip and Knee Total Joint Athroplasty (Funded by: Senior Investigator Pool) **PI: Kindyle Brennan**, Baylor Scott and White Memorial Hospital, Fall 2009.
36. The Rate of Contralateral Proximal Femur Fractures Following Closed Reduction Percutaneous Pinning or Hip Arthroplasty in Repair of Femoral Neck Fracture. (Funded by: Department of Orthopaedics Fund) **CI: Kindyle Brennan**, Baylor Scott and White Memorial Hospital, Spring 2009.

37. Risk of Subtrochanteric/Proximal Diaphyseal Fractures for Patients Taking Bisphosphonates. (Funded by: Department of Orthopaedics Fund) **CI: Kindyle Brennan**, Baylor Scott and White Memorial Hospital, Spring 2009.
38. Diabetes Data Base Search. (Funded by: Department of Orthopaedics Fund) **PI: Kindyle Brennan**, Baylor Scott and White Memorial Hospital, Spring 2009.
39. Mayo vs. Versys Hip Prostheses. (Funded by: Department of Orthopaedics Fund) **PI: Kindyle Brennan**, Baylor Scott and White Memorial Hospital, Spring 2009.
40. The Rate of Subtrochanteric Fractures Following Closed Reduction Percutaneous Pinning. (Funded by: Department of Orthopaedics Fund) **PI: Kindyle Brennan**, Baylor Scott and White Hospital, Spring 2009.
41. Arthroscopic Rotator Cuff Repair With and Without Acromioplasty. (Funded by: Department of Orthopaedics Fund) **PI: Kindyle Brennan**, Baylor Scott and White Memorial Hospital, Spring 2009.
42. CSSG Multi Center Retrospective and Observational Data Registry for Clinical and Radiographic Outcomes of Complex Spine Surgeries. (Funded by: K2M Inc.) **CI: Kindyle Brennan**, Baylor Scott and White Memorial Hospital, Spring 2008.
43. Wearable Sensors for Objective Assessment of Knee Functioning After ACL Rupture During Activity of Daily Living. (Funded by: Department of Orthopaedics Fund) **CI: Kindyle Brennan**, Baylor Scott and White Memorial Hospital, Spring 2008.

Grants

1. Research Mentorship Award (\$10,000)- Scott and White Memorial Hospital. *Dry Needling vs. Cortisone Injection in the Treatment of Greater Trochanteric Pain Syndrome*. 2013.
2. Faculty Research Grant (\$10,000)- University of Mary Hardin-Baylor. *Failure of Peri-Implant Subtrochanteric Femur Fractures status post Closed Reduction Percutaneous Pinning (CRPP): Comparison of screw placement*. 2018.
3. Faculty Summer Grant (\$9400)- University of Mary Hardin-Baylor. Awarded 2019

Awards and Honors

- Nominated, Excellence in Scholarship Award, UMHB, 2019