



Dana L. Judd, PT, DPT, PhD
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Doctor of Physical Therapy Program, University of Colorado, Anschutz Medical Campus

<u>Education</u>	<u>Degree</u>	<u>Dates</u>
University of Colorado, Anschutz Medical Dissertation: <i>Improving Rehabilitation Outcomes after Total Hip Arthroplasty</i> Certificate: Clinical Translational Science	Doctor of Philosophy (PhD)	2009 - 2014
University of Colorado, Health Sciences	Doctor of Physical Therapy	2003 – 2005
University of Colorado, Health Sciences	MS in Physical Therapy	2001 – 2003
University of Colorado, Boulder	BA in Kinesiology	1995 - 1999

Licensure Information/Registration Number

Colorado #PTL.0008385

<u>Academic Positions</u>	<u>Rank</u>	<u>Dates</u>
University of Colorado, PT Program <i>Section Director, Student Affairs</i> <i>Director, Faculty Residency</i>	Associate Professor	2021- present 2022- present 2022- present
University of Colorado, PT Program	Assistant Professor	2014- 2021
University of Colorado, Anschutz	Graduate Research Assistant/ Doctoral Trainee	2009 - 2014
University of Colorado, PT Program	Associated Faculty	2004 - 2014

Clinical and Professional Positions

	<u>Dates</u>
Physical Therapist Specialist, University of Colorado Hospital, Aurora, CO	2008 – 2013
Physical Therapist, Foothills Physical Therapy, Englewood, CO	2004 – 2008
Physical Therapist, Levy and Associates Physical Therapy, Denver, CO	2003 - 2004

Scholarly Agenda

My scholarly agenda is twofold. First, my clinical research focuses on investigating human movement patterns and muscle performance during functional activity and ways physical therapists can intervene to optimize movement quality and improve physical function and quality of life for patients following total hip replacement. Second, my educational research focuses on exploring best-practice educational methods related to teaching and learning in physical therapy for teaching clinical skills, evidence-based practice skills, and clinical reasoning skills for entry-level DPT students. Additionally, I am investigating and exploring the use of new technologies in the classroom and its effect on educational outcomes.

Peer Reviewed Publications

1. Hernandez MB, Judd DL. Exploring the Use of Assessment *for* Learning Approaches Through an Equity-Focused Lens to Deepen Learning in a Professional Physical Therapist Course. *Med Teach*. In review.
2. Hedgecock JB, Muir NB, Mahnken H, Silveira LJ, Ziegler K, Judd DL. Special Communication: Development & Implementation of an Evidence-Based Practice Educational Program for a Multidisciplinary Rehabilitation Department. *Pediatric Physical Therapy*. In Review.
3. Magnusson D, Judd DL, Ambler SB, Magee J, Collins P, Kuba E, Bilyeu C. Meeting the Health Needs of Society through Curricular Innovation in Physical Therapist Education: Example for Three Entry-Level Programs. *Journal of Physical Therapy Education*. In Review.
4. Judd DL, Cheuy V, Peters A, Graber J, Hinrichs L, Forster JE, Christiansen CL, Stevens-Lapsley JE. Incorporating Functional Strength Integration Techniques for Total Hip Arthroplasty Rehabilitation: A Randomized, Controlled Trial. *Phys Ther*. <https://doi.org/10.1093/ptj/pzad168>.
5. Bilyeu C, McDevitt AW, Judd DL. A Blended Approach to Developing Psychomotor Skills in Novice Learners in a Doctor of Physical Therapy Curriculum. *Med Teach*. doi: 10.1080/0142159X.2023.2240001.
6. Gisbert R, Judd DL. Chapter 12: Orthopedic and Physical Ability Issues. In: Truglio J, Warren BE, Lee RS, Soriano RP, eds. *Sexual and Reproductive Health: A Practical Guide for Primary Care*. Springer; 2022: 241-256.
7. Hinrichs L, Judd DL, Hernandez M, Rapport MJ. Peer Review of Teaching to Promote a Culture of Excellence: A Scoping Review. *Journal of Physical Therapy Education*. 36(4):p 293-302, December 2022.
8. Kline PW, Christiansen CL, Judd DL, Mañago MM. Clinical Utility of the Trendelenburg Test in People with Multiple Sclerosis. *Physiother Theory Pract*. 2022 Jan 24;1-8. doi: 10.1080/09593985.2022.2030446.
9. Hedman LD, Gill-Body KM, Quinn L, Hanke T, Judd D, Plummer L, Quiben M, Riley N, Scheets P, Tyrell CM, Wolf L. On "Reflections on the Wisdom of Profession-Specific Diagnostic Labels." Jette AM. *Phys Ther*. 2022; 102.

10. Judd DL, Kelly B, Corral J. Using Virtual Reality for Movement System Examination in a Doctor of Physical Therapy Curriculum. *Journal of Physical Therapy Education*. 2021 Dec; 35(4): 324-329.
11. Quinn L, Riley N, Tyrell CM, Judd DL, Gill-Body KM, Hedman LD, Packel A, Brown DA, Nabar N, Scheets P. A Framework for Movement Analysis of Tasks: Recommendations from the Academy of Neurologic Physical Therapy Movement System Task Force. *Phys Ther*. 2021 Sep 1;101(9).
12. Judd DL, Winters JD, Davidson BS, Shenkman MS, Dennis DA, Stevens-Lapsley JE. Incorporating Neuromuscular Reeducation Techniques During Postoperative Rehabilitation Improves Functional Performance After Total Hip Arthroplasty: A Preliminary Study. *Journal of Surgery and Rehabilitation*. 2020 Mar 16;2(1).
13. Judd DL, Wolfe P, Hogan C, Dayton MR, Stevens-Lapsley JE. Trajectories of functional and muscle strength recovery differ after total knee and total hip replacement. *International Journal of Rehabilitation Research*. 2019 Sep;42(3):211-216.
14. Myers CA, Laz PJ, Shelburne KB, Judd DL, Winters JD, Stevens-Lapsley JE, Davidson BS. Simulated hip abductor strengthening reduces peak joint contact forces in patients with total hip arthroplasty. *J Biomech*. 2019 Aug 27;93:18-2.
15. Judd DL, Cheuy V, Christiansen CL, Stevens-Lapsley JE. Incorporating Specific Functional Strength Integration Techniques to Improve Movement Quality for Veterans after Total Hip Arthroplasty: Protocol for a Randomized Clinical Trial. *Phys Ther*. 2019 Nov 25;99(11):1453-1460.
16. Rovzar C, Judd DL, Magnusson D. Disparities in Geographic Proximity to Outpatient Physical Therapist Services in a Large Metropolitan Area. *The Physical Therapy Journal of Policy, Administration and Leadership*. 2019 August; 3:5-12.
17. Myers CA, Laz PJ, Shelburne KB, Judd DL, Huff D, Winters JD, Stevens-Lapsley JE, Rullkoetter PJ. The Impact of Hip Implant Alignment on Muscle and Joint Loading during Dynamic Activities. *Clin Biomech*. 2018 Feb 14; 53:93-100.
18. Loyd BJ, Jennings J, Judd DL, Kim R, Wolfe P, Dennis D, Stevens-Lapsley JE. Influence of Hip Abductor Strength on Functional Outcomes before and after Total Knee Arthroplasty. *Phys Ther*. 2017 Sep 1;97(9):896-903.
19. Dayton MR, Judd DL, Hogan CA, Stevens-Lapsley JE. Performance Based versus Self-Reported Outcomes Using the HOOS Following Total Hip Arthroplasty. *Am J Phys Med Rehabil*. 2016 Feb;95(2):132-8.
20. Judd DL, Winters JD, Stevens-Lapsley JE, Christensen CL. Effects of Neuromuscular Reeducation on Hip Mechanics and Functional Performance in Patients after Total Hip Arthroplasty: A Case Series. *Clin Biomech*. 2015 Dec 31;32:49-55.
21. Thomas AC, Judd DL, Davidson BS, Eckhoff DG, Stevens-Lapsley JE. Quadriceps/Hamstrings Co-Activation Increases Early After Total Knee Arthroplasty. *Knee*. 2014 Dec;21(6):1115-9.

22. Judd DL, Thomas AC, Dayton MR, Stevens-Lapsley JE. Strength and Functional Deficits in Individuals with Hip Osteoarthritis Compared to Healthy, Older Adults. *Disabil Rehabil.* 2014;36(4):307-12.
23. Judd DL, Dennis DA, Thomas AC, Wolfe P, Dayton MR, Stevens-Lapsley JE. Muscle Strength and Functional Recovery During the First Year Following THA. *Clin Orthop Relat Res.* 2014 Feb;472(2):654-64.
24. Davidson BS, Judd DL, Thomas AC, Mizner RL, Eckhoff DG, Stevens-Lapsley JE Muscle activation and coactivation during five-time-sit-to-stand movement in patients undergoing total knee arthroplasty. *J Electromyogr Kinesiol.* 2013 Dec;23(6):1485-93.
25. Judd DL, Eckhoff DG, Stevens-Lapsley JE. Muscle Strength Loss in the Lower Extremity Following Total Knee Arthroplasty. *Am J Phys Med Rehabil.* 2012 Mar;91(3):220-6; quiz 227-30.
26. Christiansen CL, Bade MJ, Judd DL, Stevens-Lapsley JE. Weight-bearing asymmetry during sit-stand transitions related to impairment and functional mobility after total knee arthroplasty. *Arch Phys Med Rehabil.* 2011 Oct;92(10):1624-9.

Peer Reviewed Scientific and Professional Presentations

1. Hoffman RM, Hinrichs-Kinney L, Forster JE, Dayton MD, Dennis D, Judd DL, Christiansen CL, Stevens-Lapsley, JE. Improvements in Physical Capacity May Not Indicate Reductions in Real-World Sedentary Activity: A Longitudinal Post-Total Hip Arthroplasty Study. [oral presentation] 7th International Conference on Ambulatory Monitoring of Physical Activity and Movement. Rennes, France. June 20th, 2024.
2. Wengrovius C, Gisbert R, Magnusson DM, Judd DL. Physical Therapy Students' Perceptions and Use of Complementary Health Approaches. Accepted for poster presentation at the 2024 International Congress on Integrative Medicine and Health, Cleveland, OH. April 2024.
3. Judd DL, Yang C, Hogan C, Dayton M, Dennis D, Koonce R, Bilyeu C, Hinrichs L, Graber J, Christiansen C, Stevens-Lapsley J. Comparative Analysis of Functional, Strength, and Biomechanical Outcomes after Anterior and Posterolateral Approach Hip Arthroplasty. Accepted for poster presentation at the APTA Combined Sections Meeting, Boston, MA. February 2024.
4. Judd DL, Tyrell C, Riley N, Plummer L, Quiben M, McGee P. Advancing Clinical Reasoning: Integrating Task-Specific Movement Analysis Across the Lifespan in Physical Therapist Education Curricula. Educational session accepted for presentation at the APTA Combined Sections Meeting, Boston, MA. February 2024.
5. Judd DL, Cheuy V, Peters A, Graber J, Hinrichs L, Lovely M, Biondi E, Constone C, Forster JE, Christiansen CL, Stevens-Lapsley JE. Functional Strength Integration Techniques for Total Hip Arthroplasty Rehabilitation with Veterans: A Randomized Controlled Trial. Platform presentation at the APTA Combined Sections Meeting, San Diego, CA. February 2023.
6. Magnusson DM, Dannemiller L, Rodriguez J, Judd DL, Pascoe M. Better Together:

Optimizing Student Experiences through a Holistic Approach to Student Well-Being. Educational session presented at the APTA Educational Leadership Conference, Milwaukee, WI. October 2022.

7. Bilyeu C, McDevitt AW, Judd DL. A Blended Approach to the Development of Psychomotor Skill in the Beginner Learner. Poster presentation at the 10th Annual Academy of Medical Educators Education and Innovation Symposium, Anschutz Medical Campus. March 2022.
8. Zeni J, Judd DL, Jennings JM. Total Hip Arthroplasty: Innovations in Rehabilitation and Surgery. Educational session presented for the APTA Combined Sections Meeting, San Antonio, TX. February 2022.
9. Quinn L, Riley N, Tyrell C, Judd DL. A Motor Control-Based Framework for Movement Analysis of Tasks Across Patient Populations. Educational session presented at the APTA Combined Sections Meeting, San Antonio, TX. February 2022.
10. Judd DL, Hinrichs LA, Rapport MJ. Leading a Call to Action: Use of Peer Review of Teaching in Faculty Development. Platform presentation at the APTA Combined Sections Meeting, San Antonio, TX. February 2022.
11. Hinrichs LA, Rodriguez J, Nordon-Craft AJ, Mañago M, McDevitt AW, Judd DL. Blocked Scheduling in Physical Therapist Education as a Curricular Adjustment in Response to COVID-19. Accepted for poster presentation at the ATPA Combined Sections Meeting, San Antonio, TX. February 2022.
12. Hinrichs, LA, Capin JJ, Judd DL, Forster JE, Samelson M, McCandless MA, Peters A, Christiansen C, Stevens-Lapsley JE. Daily Step Count is Not Associated with Gait Symmetry in Individuals with End-Stage Hip Osteoarthritis. Poster presentation at the APTA Combined Sections Meeting, San Antonio, TX. February 2022.
13. Judd DL, McDevitt AW. A Blended Approach to the Development of Psychomotor Skill in the Beginner Learner. Educational session presented for the APTA Educational Leadership Conference, Atlanta, GA. October 2021.
14. Hinrichs L, Hernandez M, Judd DL, Rapport MJ. Peer Review of Teaching to Promote Excellence: A Scoping Review. Platform presentation at the APTA Educational Leadership Conference, Atlanta, GA. October 2021.
15. Davis-Wilson H, Hoffman R, Cheuy V, Judd DL, Stevens-Lapsley J, Christiansen C. Kinematics and Spatiotemporal Gait Characteristics During the Six-Minute Walk in Participants with Hip Osteoarthritis. *Rocky Mountain American Society of Biomechanics Meeting* [platform presentation, Online; April 2021] and *American Society of Biomechanics Meeting* [poster presentation, Online; August 2021].
16. Hoffman RM, Davis-Wilson H, Hinrichs L, Judd DL, Stevens-Lapsley J, Christiansen C. Turning Spatiotemporal Metrics and Strategies with End-stage Hip Osteoarthritis. *Rocky Mountain American Society of Biomechanics Meeting* [platform presentation, Online; April 2021] and *American Society of Biomechanics Meeting* [poster presentation, Online; August 2021].

17. Hoffman R, Davis-Wilson H, Hinrichs L, Judd DL, Stevens-Lapsley J, Christiansen C. Turning Spatiotemporal Metrics and Strategies with End-stage Hip Osteoarthritis. Accepted for presentation at the Rocky Mountain American Society of Biomechanics. April 2021.
18. Davis-Wilson H, Hoffman R, Cheuy V, Judd DL, Stevens-Lapsley J, Christiansen C. Kinematics and Spatiotemporal Gait Characteristics During the Six Minute Walk in Participants with Hip Osteoarthritis. Accepted to Rocky Mountain American Society of Biomechanics. Podium Presentation. April 2021.
19. McDevitt AW, Judd DL. Utilization of Community Volunteer Participants for a Structured Clinical Reasoning Experience for the Beginner Learner. Presented at the APTA Educational Leadership Conference, Milwaukee, WI. October 2020.
20. McDevitt AW, Judd DL. Building a Structure for Clinical Reasoning Development in the Beginner Learner. Educational Session presented at the APTA Educational Leadership Conference, Milwaukee, WI. October 2020.
21. Gisbert R, Judd DL. Addressing Sexual Activity for Patients across Health Conditions: A Longitudinal Curriculum for Doctor of Physical Therapy Students. Educational Session presented at the APTA Educational Leadership Conference, Milwaukee, WI. October 2020.
22. McDevitt A, Judd DL. Fostering Clinical Reasoning Development in First Year Physical Therapy Students Through a Structured Community Volunteer Experience. Presented at the International Federation of Orthopedic Manual Physical Therapists (IFOMPT) Conference Melbourne, Australia. October, 2020.
23. Mahnken H, Hedgecock J, Zeigler K, Muir N, Judd DL. Development and implementation of an EBP educational program for a multidisciplinary rehabilitation department. Accepted as a short course at the 2020 AOTA Annual Conference & Expo, Boston, MA. March 2020
24. Judd DL, Kelly B, Corral J. Virtual Reality in a Doctor of Physical Therapy Curriculum. Accepted for oral presentation at the Anschutz Medical Campus Academy of Medical Educators Education Scholarship and Innovation Symposium. March 2020.
25. Judd DL, McDevitt AW. Beginning at the End: Fostering Clinical Reasoning Development Through Patient Simulation Early in Curriculum. Anschutz Medical Campus Academy of Medical Educators Education Scholarship and Innovation Symposium. March 2020.
26. Hedgecock J, Zeigler K, Mahnken H, Muir N, Judd DL. Closing the Gap: Implementation of an EBP training program for a multidisciplinary pediatric rehabilitation department. Presented at the APTA Combined Sections Meeting, Denver, CO. February 2020.
27. Judd DL, Kelly B, Corral J. Virtual Reality in a Doctor of Physical Therapy Curriculum. Platform presentation at the APTA Educational Leadership Conference, Bellevue, WA. October 2019.
28. Judd DL, Kelly B, Corral J. Implementing Virtual Reality in Physical Therapy Education. Presented at the Colorado Learning and Teaching with Technology (COLTT) Conference, Boulder, CO. July 2019.
29. Gisbert RL, Judd DL. Let's Talk About Sex(ual) Health in Physical Therapy. Presented at the

Colorado Chapter of the APTA Rocky Mountain Annual Conference and PT Expo. October 2018.

30. Judd DL, Rapport MJ. Measuring Competence and Confidence in Physical Therapy Students' Use of Evidence-Based Practice. Presented at the University of Colorado Anschutz Medical Campus Academy of Medical Educators Education Scholarship and Innovation Symposium. January 2018.
31. Deutsch J, Gill-Body K, Judd DL, Quiben M, Schenkman M. Integrating Clinical Reasoning and the Movement System Across Health Conditions. Educational session presented at the American Physical Therapy Association Combined Sections Meeting. February 2018.
32. Rovzar C, Judd DL, Magnusson D. A spatial analysis of disparities in access to physical therapy services in the Denver metro region using mapping technology. Presented as a platform presentation at the American Physical Therapy Association Combined Sections Meeting, February 2018.
33. Judd DL, Rapport MJ. Measuring Confidence and Competence in Physical Therapy Students' Use of Evidence-Based Practice. Presented at the University of Colorado Anschutz Medical Campus Academy of Medical Educators Education Scholarship and Innovation Symposium. February 2018.
34. Judd DL, Maluf KS. Evidence Based Practice in a Doctor of Physical Therapy Curriculum: From Classroom to Clinical Practice. Presented at the University of Colorado Anschutz Medical Campus Academy of Medical Educators Education Scholarship and Innovation Symposium. January 2017.
35. Davis M, Gisbert R, Himawan M, Judd DL. Bridging Gaps: The role of physical therapy in an inter-professional student-run free clinic. Presented at the University of Colorado Rehabilitation Education Forum. September 20, 2106.
36. Judd DL. Optimizing Movement Quality in Rehabilitation. Presentation at the University of Colorado Physical Therapy Program Alumni Reunion. September 2016.
37. Loyd BJ, Jennings J, Baym CL, Dennis D, Struessel T, Judd DL*, Wolfe P, Stevens-Lapsley, JE. The relation of hip abductor strength to functional performance before and after TKA. Presented as a platform presentation at the American Physical Therapy Association Combined Section Meeting, February 2016. *Presenter
38. Judd DL, Winters JD, Stevens-Lapsley JE, Christensen CL. Effects of Neuromuscular Reeducation on Hip Mechanics and Functional Performance in Patients after Total Hip Arthroplasty: A Case Series. Presented at the American Physical Therapy Association Combined Sections Meeting, February 2016.
39. Dennis DA, Judd DL, Winters JD, Miner TM, Dayton MR, Davidson BS, Stevens-Lapsley JE. Multi-component Rehabilitation after Total Hip Arthroplasty: A Randomized Controlled Trial. Presented at the 2nd Annual Pan Pacific Orthopedic Congress, July 2015.
40. Judd DL. Rehabilitation after Total Hip Arthroplasty. Presented at the University of Colorado Physical Medicine and Rehabilitation Annual Gersten Day Research Symposium June 2015.
41. Paxton RJ, Judd DL, Sanchez K, Papazian L, Stevens-Lapsley JE. Relation of Thigh Muscle

Attributes to Force Production in Patients with End-Stage Knee Osteoarthritis. Presented at the American College of Sports Medicine Annual Meeting, May 2015.

42. Dennis DA, Judd DL, Winters JD, Jennings J, Miner TM, Dayton MR, Davidson BS, Stevens-Lapsley JE. Multi-component Rehabilitation after Total Hip Arthroplasty: A Randomized Controlled Trial. Presented at the Orthopedic Research Society Annual Meeting, March 2015.
43. Judd DL, Dennis DA, Winters JD, Miner TM, Dayton MR, Davidson BS, Stevens-Lapsley JE. Multi-component Rehabilitation after Total Hip Arthroplasty: A Randomized Controlled Trial. Presented at the American Physical Therapy Association Combined Sections Meeting, February 2015.
44. Dennis DA, Judd DL, Winters JD, Miner TM, Dayton MR, Davidson BS, Stevens-Lapsley JE. Multi-component Rehabilitation after Total Hip Arthroplasty: A Randomized Controlled Trial. Presented at the Summer Meeting of the Hip Society, September 2014.
45. Judd DL, Schlottman C, Dayton MR, Stevens-Lapsley JE. Comparison of Self-reported Function Using the HOOS and Performance-based Function after Total Hip Arthroplasty. Presented at the American Physical Therapy Association Combined Sections Meeting, February 2014.
46. Dennis DA, Judd DL, Dayton MR, Stevens-Lapsley JE. Comparison of Strength and Functional Outcomes during the first 6 months after THA and TKA. Presented at the Summer Meeting of the Hip Society, October 2013.
47. Judd DL, Sherk V, Rogers E, Kohrt WM, Stevens-Lapsley JE. Using Peripheral Quantitative Computed Tomography (pQCT) to Estimate Soft Tissue Characteristics in Patients with Knee Osteoarthritis. Presented as a poster presentation at the American College of Sports Medicine Annual Meeting, May 2013.
48. Judd DL, Struessel T, Eckhoff DE, Dayton MR, Stevens-Lapsley JE. Strength and Functional Outcomes after THA and TKA: A performance based, longitudinal study. Presented for the Marilyn Gossman Graduate Student Seminar at the American Physical Therapy Association Combined Sections Meeting, January 2013.
49. Judd DL, Thomas AC, Wolfe P, Dennis D, Kim R, Dayton MR, Stevens-Lapsley JE. Time course of muscle strength and functional recovery during the first year following THA. Presented as a poster presentation at the American Physical Therapy Association Combined Sections Meeting, January 2013.
50. Dayton MR, Judd DL, Thomas AC, Wolfe P, Dennis DA, Kim R, Stevens-Lapsley JE. Physiologic and Functional Recovery Following Total Hip Arthroplasty versus Healthy Controls: Outcomes at One Year. Presented as a poster at the American Association of Hip and Knee Surgeons Annual Meeting, November 2012.
51. Dennis DA, Judd DL, Thomas AC, Wolfe P, Kim R, Dayton MR, Stevens-Lapsley JE. Functional Performance Recovery after THA. Presented as a platform presentation at the 2012 Summer Meeting of the Hip Society, September 2012.
52. Davidson BS, Judd DL, Thomas AC, Stevens-Lapsley JE. Eccentric Muscle Activation Patterns During a Five-Time-Sit-to-Stand Movement. Presented at the American College of

Sports Medicine Annual Meeting, May 2012.

53. Judd DL, Davidson BS, Stevens-Lapsley JE. Muscle Activity During Gait after Unilateral Total Knee Arthroplasty. Presented as a poster at the American Physical Therapy Association Combined Sections Meeting, February 2012.
54. Christiansen CL, Judd DL, Roberts E, Stevens-Lapsley JE. Use of Accelerometers to Quantify Movement Asymmetry During Stair Climbing For People with Knee Osteoarthritis. Presented as a poster at the American Physical Therapy Association Combined Sections Meeting, February 2012.

Funded/In Review Grant Activity

Completed Support

Dana L. Judd Co-Investigator 11/2016-11/2021
Improving Rehabilitation Outcomes after Total Hip Arthroplasty
The aim of this investigation is to determine the effect of a rehabilitation program emphasizing functional strength integration through neuromuscular reeducation techniques after THA on function and movement quality.
Awarded by: Department of Veterans Affairs Merit Review Award Number I01 RX002251 \$1,091,276. PI: Jennifer Stevens-Lapsley.

Dana L. Judd Principal Investigator 2/1/2019-2/1/2020
Efficacy of Virtual Reality Training for Physical Therapy Students
The study is designed to investigate the efficacy of virtual reality (VR) for deliberate practice of movement analysis as part of the physical therapist examination and clinical reasoning process. The primary goals of the project are to understand the feasibility of utilizing VR in a physical therapy curriculum and understand PT students' attitudes about utilizing VR to practice movement analysis and examination skills.
Awarded by: University of Colorado Academy of Medical Educators, Rymer Grant. \$3,750.

Dana L. Judd Trainee 5/2012-07/2014
Award amount: \$22,700/year, *Multi-Component Rehabilitation after Total Hip Arthroplasty*,
The major goal of this project is to determine the effectiveness of a multi-component rehabilitation intervention following total hip arthroplasty. Awarded by: National Institute on Aging of the National Institutes of Health, T32AG000279.

Dana L. Judd Graduate Student/PI 7/2010-7/2011
Award amount: \$3500, *Strength and Function Following Total Hip Arthroplasty*
The overall goal of this longitudinal study is to determine whether adults who have undergone total hip arthroplasty (THA) for end-stage osteoarthritis have post-operative deficits in strength of the surgical lower extremity, postural control, and functional performance compared to healthy, age-matched counterparts Awarded by: American College of Rheumatology REF/Abbot Health Professional Graduate Student Research Preceptorship Award

Dana L. Judd Principal Investigator 6/2012-12/2014
Award amount: \$15,000, *Multi-Component Rehabilitation after Total Hip Arthroplasty*

The overall goal of this project is to investigate the effects of a comprehensive, multi-component rehabilitation program after total hip arthroplasty on muscle strength, neuromuscular control and functional performance as well as support the feasibility and safety the program. Awarded by: American Physical Therapy Association Orthopedic Section Clinical Research Grant Program, New Investigator Award.

Research Activity

Examination of outcomes following total hip arthroplasty: Dana L. Judd, PT, PhD, Jennifer Stevens-Lapsley, PT, PhD, Cory Christensen, PT, PhD Grant Funded

Educational scholarship regarding examination of the movement system and using new technologies: Dana L. Judd, PT, PhD.

Continuing Education Workshops Conducted

Children's Hospital Colorado Rehabilitation Department. Titled: Evidence-Based Practice Seminars. April 2019-December 2020. Co-organizer and primary presenter of this repeating 6-part seminar series.

APTA Colorado Chapter Fall Conference. Titled: Let's Talk About Sex(ual) Health in Physical Therapy. October 26, 2018. Co-organizer and co-presenter of this 4-hour workshop.

Improving Rehabilitation Outcomes after Total Hip Arthroplasty, Research Physical Therapist Training. Created educational curriculum and presented daylong training sessions for VA Physical Therapists who will treat patients as part of the VA Merit Award THA Study. October 2016.

University of Colorado Physical Therapy Marquette Challenge Series. Titled: Optimizing Rehabilitation after Total Joint Replacement in a Changing Healthcare Landscape. September 17, 2016. Co-organizer and co-presenter of this daylong seminar.

Membership in Scientific/Professional Organizations

Member, Academy of Medical Educators at the University of Colorado Anschutz Medical Campus. Selected for membership, 2021.

Member, American Physical Therapy Association Member, 2002 to present. Member of Education, Orthopedics, Neurology, and Research Academies.

American College of Sports Medicine, 2011 - 2013

Community Service

Board Member, Jenna's Miles of Smiles Foundation, 2010 – 2020

Participant/Member, Roots and Branches Foundation of the Rose Community Foundation, 2016-2017

PT Student Preceptor, DAWN (Dedicated to Aurora's Wellness and Needs) Clinic, 2015 – 2019.

Volunteer, 9News Health Fair, 2013-2014.

Service to the University/College/School on Committees/Councils/Commissions:

Physical Therapy Program

Member, Social Committee, 2015 – Present

Member, Absences Committee, 2016 - Present

Member, Writing Task Force, Member, 2016 – 2019

Chair, Graduation Committee, 2016 - Present

Chair, Movement System and Patient Examination Task Force, 2016 – 2020.

Member, Curriculum Committee, 2019-Present

Member, Scholarship and Awards Committee, Awards subcommittee, 2019-Present

Member, Scheduling Task Force, 2020-2021 and 2022-present.

Member, Educational Scholarship Group, 2020-present.

Chair, Student Promotions Committee, 2022-present.

University of Colorado Anschutz Medical Campus

Member, Anschutz Medical Campus Fall Commencement Steering Committee, 2016-Present

Member, Healthy Campus Steering Committee, 2017-2020

PM&R Representative, School of Medicine Faculty Senate, 2018-2020.

Member, Virtual Reality Committee, 2018-Present; Chair, 2020-2022.
Interim Chair, September-December 2019.

Member, Academic and Student Affairs Leadership (ASAL) Group, 2022-present.

Poster Judge, Anschutz Medical Campus Academy of Medical Educators Education Scholarship and Innovation Symposium, 2019.

Poster Judge, Modern Human Anatomy Program, Mentored Scholarly Activity/Capstone Projects, 2019.

Abstract Reviewer, Academy of Medical Educators, Medical Education Symposium, 2022-present.

American Physical Therapy Association and Professional Service

Member, Practice Analysis Team, Faculty Residency Revalidation. American Board of Physical Therapy Residency and Fellowship Education, 2022- present.

Member, Academy of Neurologic Physical Therapy Movement System Task Force 2017-Present.

Nominating Committee Member, APTA Section on Research, 2015 – 2019

Honors and Awards

Selected to represent the CU Anschutz Medical Campus as a part of the Academic Management Institute sponsored by the Colorado/Wyoming Network of Women Leaders, an affiliate of the American Council on Education, 2022.

Selection into the Academy of Medical Educators at the University of Colorado Anschutz Medical Campus, 2021.

Academy of Medical Educators Award for Curriculum Development or Educational Innovation. Awarded July 2019.

Research Poster Award Recipient: Educational Research. *Measuring Confidence and Competence in Physical Therapy Students' Use of Evidence-Based Practice*. Awarded at the Education Innovation and Scholarship Symposium hosted by the Academy of Medical Educators at the University of Colorado, February 2018.

Outstanding Research Poster Award, *Multi-Component Rehabilitation Following Total Hip Arthroplasty: A Randomized, Controlled Trial*. Awarded by American Physical Therapy Association Orthopedic Section, APTA Combined Sections Meeting, February 2015.

Adopt-A-Doc Award, American Physical Therapy Association Section on Geriatrics, 2013

Adopt-A-Doc Award, American Physical Therapy Association Section on Geriatrics, 2012

Outstanding PhD Student Award, Clinical Investigation Track, Clinical Science Program of the University of Colorado Anschutz Medical Campus, 2010

Continuing Education Attended

Academic Management Institute sessions. October 2022-March 2023:

- Leading in an Ever-changing Higher Education Landscape
- Developing Your Leadership Strengths
- Campus culture: Enhancing Diversity, Equity, and Inclusion
- The Future of Higher Education

Inspiring Inquiry and Preparing Lifelong Learners Microcredential as part of ACUE's Course in Effective Teaching Practices. October 2022.

Promoting Active Learning Microcredential as part of ACUE's Course in Effective Teaching Practices. October 2021.

Teaching Critical Thinking through Art with the National Gallery of Art. EdX Platform. May 2021.

University of Colorado Equity Certificate Program. Four-part program completed April 2021.

The Engaging Online Educator Course, University of Colorado Anschutz Medical Campus. June-August 2020.

University of Colorado Office of Digital Education Online Skills Mastery Course. May 2020.

Leaders of Learning. HarvardX via EdX platform. March 2020.

Colorado Learning and Teaching with Technology (COLTT) conference, August 2019

APTA Educational Leadership Conference (ELC), 2019-present

APTA Combined Sections Meetings (CSM) 2010-present

APTA Colorado Chapter Fall Conference, October 2018

University of Colorado Opioid Education Day. Pain and Healthcare in Society: Changing Attitudes, Behaviors and Health Systems to Address the Opioid Crisis. September 2018.

Creighton University Clinical Reasoning Symposium. July 2017.

Motivational Interviewing Clinical Training. January 15 and 22, 2016.

Current Teaching Responsibilities in the Entry-level Doctor of Physical Therapy Program

Spring Semester

DPTR 5621: Clinical Reasoning I, Coordinator, 1 credit hour, 65-75 students

DPTR 6633: Clinical Reasoning III, Small group facilitator, 2 credit hours, 12 students

Summer Semester

DPTR 5211: Foundations of Intervention I, Coordinator, 2 credit hours, 65-75 students

DPTR 5201: Examination & Evaluation I, Instructor, 2 credit hours, 65-75 students

DPTR 7651: Clinical Reasoning Capstone, Small group facilitator, 3 credit hours, 8 students

Fall Semester

DPTR 5202: Examination & Evaluation II, Coordinator, 2 credit hours, 65-75 students

DPTR 5212: Foundations of Intervention II, Instructor, 2 credit hours, 65-75 students

DPTR 6632: Clinical Reasoning II, Small group facilitator, 1 credit hour, 20 students

Past Teaching Responsibilities

Courses Previously Coordinated in DPT Curriculum

Patient Care Seminar III, Project Mentor, 6 students, 2012-2015.

Patient Care Seminar II, Instructor/Small Group Facilitator, 6 students, 2014-2015

Scientific Inquiry II, Course Coordinator/Instructor, 65 students, Fall Semester 2014

Scientific Inquiry III, Course Coordinator/Instructor, 65 students, Spring Semester 2015

Evidence Based Practice, Course Coordinator/Instructor, 68 students, Fall Semester 2015

Teaching Activity as Adjunct Faculty

Lab Instructor, Examination and Evaluation I and Examination and Evaluation II, 2003-2014

Tutor/Mentor, CU Physical Therapy extra-curricular practice labs, 2003-2005.

Lab Instructor, Musculoskeletal Conditions/Orthopedic Management, 2003-2006.