

## CURRICULUM VITAE

Revised: 7/6/2022

1. Name: Shilpa Krishnan
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3. E-mail Address: [shilpa.krishnan@emory.edu](mailto:shilpa.krishnan@emory.edu)
4. Current Titles and Affiliations:
  - a. Academic Appointments:
    - i. Assistant Professor (*Tenure Path*), Department of Rehabilitation Medicine, Division of Physical Therapy, Emory University, November 2017 – present
    - ii. Affiliate Faculty, Emory Neuroscience & Behavioral Biology Program, 2021 – present
    - iii. Research Scientist, Center for Visual and Neurocognitive Rehabilitation, Atlanta Veterans Affairs Health Care Center, 2021 – present
    - iv. Research Associate, Boston Medical Center, 2021 – present
  - b. Other Appointments
    - i. Clinical Research Consultant, The Board of Medicine, 2022 – present
5. Previous Academic and Professional Appointments:
  - i. Research Scientist, University of Texas Medical Branch, 2016-2017
6. Previous Administrative and/or Clinical Appointments:
  - i. Intern Physical therapist, Dr. D.Y. Patil Hospital, India, 2008-2009
  - ii. Consultant Physical therapist, Mumbai, India, 2009
  - iii. Staff Physical therapist, Joy Hospital Indi, 2009
  - iv. Staff Physical therapist, SHREE Hospital, India, 2009
  - v. Research Assistant, Emergency Department, University of Pittsburgh Medical Center, 2009-2010
7. Licensures/Boards:
  - i. Physical Therapist, NYS Board for Physical Therapy, 2014 – present
  - ii. Physical Therapist, TX State Board, 2015 – present
8. Boards and Specialty Boards: N/A
9. Education:
  - i. Bachelors in Physical Therapy, Dr. D.Y. Patil University, Mumbai, India, 2004-2009
  - ii. Masters in Health and Rehabilitation Science (Musculoskeletal), University of Pittsburgh, 2009-2010
  - iii. Doctor of Philosophy (Ph.D.), Rehabilitation Sciences, University of Pittsburgh, 2010-2014
10. Postgraduate Training:
  - i. 2014-2016, Postdoctoral fellowship, University of Texas Medical Branch, Galveston, Texas  
Supervisor: Kenneth Ottenbacher, PhD, OTR and Timothy Reistetter, PhD, OTR

11. Continuing Professional Development Activities:
  - 1) NVivo – Qualitative software analyses, fall 2015
  - 2) Grant writing, University of Texas Medical Branch, fall 2015
  - 3) Qualitative methods and text analysis, University of Florida, spring 2015
  - 4) Texas Physical Therapy Association, October 2016
  - 5) Patient centered outcomes research certificate, University of Texas Medical Branch, 2015
  - 6) Combined Sections Meeting, American Physical Therapy Association, 2017, 2018, 2019, 2021
  - 7) Learning to be better teachers, Emory University, School of Medicine, Spring 2018, 2019
  - 8) Health Services Research Institute, Center for Health Services Research, 2018, 2019
  - 9) Health Services Research Day, Emory University School of Medicine, 2018, 2019
  - 10) Network for Evaluation & Implementation Science Conference and Workshop, Fall 2019
  - 11) Network for Evaluation and Implementation Sciences at Emory (NEISE) COM-B Training led by UCL Centre for Behavior Change, spring 2021
  - 12) Junior Faculty Development Program, Emory University, School of Medicine, spring 2022
12. Military or Government Service: N/A
13. Committee Memberships:
  - a. National and International:
    - 1) Secretary and Early Career Officer, Neurodegenerative Interest Group, American Congress of Rehabilitation Medicine, 2015 – present
    - 2) Member, Early career networking group, American Congress of Rehabilitation Medicine, 2015 – present
    - 3) Member, Program Committee, American Congress of Rehabilitation Medicine, 2016 – present
    - 4) Early Career Officer, Complementary and Rehabilitation Medicine, American Congress of Rehabilitation Medicine, 2016 – present
    - 5) Member, Secondary complications following SCI taskforce, American Congress of Rehabilitation Medicine, 2016 – present
    - 6) Early Career Officer, Spinal Cord Injury Special Interest group, American Congress of Rehabilitation Medicine, 2018 – 2019
  - b. Regional:
    - 1) Member of Houston Stroke Warriors support group, Texas, 2015 – 2017
    - 2) Accessibility and Functional Needs Committee Member, Galveston County of Emergency Management, Texas, 2016 –2017
    - 3) Member, The Paul Coverdell Post Acute Care Outcomes Georgia Stroke Registry, Georgia Department of Public Health and Centers for Disease Control, 2021-present
  - c. Institutional:
    - 1) Media Manager, The Committee for Career Development, 2015 –2016
    - 2) Panel Member, Institutional Ethics Committee, University of Texas Medical Branch, Galveston, Texas, 2016-2017
    - 3) Recognition and engagement committee, Diversity Council, University of Texas Medical Branch, Galveston, Texas, 2016 – 2017
    - 4) Continuing Education, Emory University, Department of Rehabilitation Medicine, Division of Physical Therapy, 2017 – present
    - 5) Clinic & Residencies Committees, Emory University, Department of Rehabilitation Medicine, Division of Physical Therapy, 2017 – present
14. Peer Review Activities:

a. Grants:

i. National/International

- 1) Field Initiative Projects, Health and Function, National Institute of Disability, Independent Living, and Rehabilitation Research (NIDILRR), 2017
- 2) Improving Health Care Systems, Patient centered Outcomes Research Institute (PCORI), 2017
- 3) Research Project Grants, The Dunhill Medical Trust, December 2019
- 4) Health Services Research Grant Program, Standing Member, American Occupational Therapy Foundation, 2019
- 5) National Institute of Disability, Independent Living, and Rehabilitation Research, Disability and Rehabilitation Research Projects (DRRP) Program: Real Time Pressure Mapping to Reduce Risk of Pressure Ulcers, 2020
- 6) Health Services Research Grant Program, American Occupational Therapy Foundation, 2020
- 7) Center For Scientific Review Special Emphasis Panel, ZRG1, National Institutes of Health, July 2021
- 8) American Occupational Therapy Foundation and The Michael J. Fox Foundation Occupational Therapy in Parkinson's Disease Research Grant program, 2021
- 9) Peer-Reviewed Medical Research Program (PRMRP) for the Department of Defense Congressionally Directed Medical Research Programs (CDMRP), FY 2021
- 10) Center For Scientific Review Special Emphasis Panel, ZRG1, National Institutes of Health, November 2021
- 11) Center For Scientific Review Special Emphasis Panel, ZRG1, National Institutes of Health, March 2022
- 12) Center For Scientific Review Special Emphasis Panel, ZRG1, National Institutes of Health, July 2022

ii. Regional: None

iii. Institutional:

- 1) Pilot Grant Reviewer, Center for Large Data Research & Data Sharing in Rehabilitation, University of Texas Medical Branch, 2016
- 2) Pilot Grant Reviewer, Center for Large Data Research & Data Sharing in Rehabilitation, University of Texas Medical Branch, 2017

b. Manuscripts (selected journals):

- 1) Neurorehabilitation, 2015 – present
- 2) Disability and Rehabilitation, 2015 – present
- 3) American Journal of Physical Medicine and Rehabilitation, 2015 – present
- 4) OTJR: Occupation, Participation and Health, 2016 – present
- 5) Archives of Physical Medicine and Rehabilitation, 2016 – present
- 6) BMJ Open, 2016 – present
- 7) Texas Public Health Journal, 2016 – present
- 8) Journal of Spinal Cord Medicine, 2016 – present
- 9) Rehabilitation Nursing, 2016 – present
- 10) PLOS ONE, 2017 – present
- 11) Gerontologist, 2017 – present
- 12) Medical Devices: Evidence and Research, 2017 – present
- 13) Chronic Wound Care Management and Research, 2017 – present
- 14) Topics in Stroke Rehabilitation, 2017 – present
- 15) Topics in Geriatric Rehabilitation, 2017 – present

- 16) American Journal of Public Health, 2018 – present
- 17) Clinical Rehabilitation, 2018 – present
- 18) The Journal of Humanities in Rehabilitation, 2018 – present
- 19) Journal of Tissue Viability, 2018 – present
- 20) Physical Therapy, 2020 – present

c. Conference Abstracts:

i. National and International:

- 1) Abstract Reviewer, 21st International Association of Gerontology and Geriatrics (IAGG) World Congress, 2016
- 2) Abstract Reviewer, 21st International Association of Gerontology and Geriatrics (IAGG) World Congress, 2017
- 3) Instructional Course, Symposium and Abstract Reviewer, American Congress of Rehabilitation Medicine, 2017
- 4) Instructional Course, Symposium and Abstract Reviewer, American Congress of Rehabilitation Medicine, 2018
- 5) Instructional Course, Symposium and Abstract Reviewer, American Congress of Rehabilitation Medicine, 2019
- 6) Instructional Course, Symposium and Abstract Reviewer, American Congress of Rehabilitation Medicine, 2020

ii. Regional: None

iii. Institutional:

- 1) Reviewer, William C. Levin, MD Presidential Scholarship, University of Texas Medical Branch, Galveston Texas, 2016
- 2) Travel Award Abstracts Reviewer, Center of Large Data Research, University of Texas Medical Branch, Galveston, Texas, 2017

15. Consultantships/Advisory Boards: *None*

16. Editorships and Editorial Boards:

- 1) Editorial Board Member, Topics in Geriatric Rehabilitation, 2020 – present
- 2) Associate Editor, Journal of Acute Care Physical Therapy, 2022 – present

17. Honors and Awards:

- 1) Dr. Priyadarshini Cholera Patil Medal University topper, D.Y. Patil University, 2009
- 2) Travel funds, Student Advisory Board, School of Health and Rehabilitation Sciences, University of Pittsburgh, 2012
- 3) Travel funds, Graduate Professional Student Association (GPSA), University of Pittsburgh, 2012, 2013
- 4) Student Recognition in Research, (Physical Therapy), Academy of Spinal Cord Injury Professionals, 2012
- 5) Poster award, Health Disparity Competition, University of Pittsburgh, 2012
- 6) Thomas O'Connor Award, Department of Rehabilitation Science and Technology, University of Pittsburgh, 2012
- 7) Bruce Baker Education Travel Fund, School of Health and Rehabilitation Sciences, University of Pittsburgh, 2012
- 8) Abruzzese Award, National Pressure Advisory Panel (NPUAP), January 2013.
- 9) Advanced Rehabilitation Research and Training (ARRT) Program, National Institute of Disability, Independent Living, and Rehabilitation Research, 2014-2016
- 10) Deans Faculty Travel Funds, School of Health Professions, University of Texas Medical Branch, 2017

- 11) Honorable Mention award by the Association of American Physiatrists for the research article published in the American Journal of Physical Medicine and Rehabilitation, 2017
- 12) Complementary, Integrative Rehabilitation Medicine, American Congress of Rehabilitation Medicine, 2018
- 13) Elite Reviewer, Archives of Physical Medicine and Rehabilitation, 2017
- 14) Elite Reviewer, Archives of Physical Medicine and Rehabilitation, 2018
- 15) Grant Proposal selected for the Intensive Workshop, Institute on Health Services Research, Center on Health Services Training and Research, 2018
- 16) Grant Proposal selected for the Intensive Workshop, Institute on Health Services Research, Center on Health Services Training and Research, 2019
- 17) Georgia CTSA TEAMS (*Translational Education and Mentoring in Science*) program fellow, 2019-2020
- 18) Young Investigator Poster Award, National Pressure Injury Advisory Panel, 2021
- 19) Poster Award, Community Engagement Forum, Georgia Clinical & Translational Science Alliance, 2021
- 20) Recognition, Regional, National, and International Award, 8<sup>th</sup> Annual Celebration of Faculty Excellence Ceremony, 2021
- 21) Woodruff's Health Educators Academy (WHEA) Fellowship in Educational Scholarship, 2022-2023

18. Society Memberships:

- 1) American Congress of Rehabilitation Medicine, 2015 – present
- 2) Academy Health, 2016
- 3) American Physical Therapy Association, 2017 – present

19. Organization of Conferences:

a. National and International:

- i. Administrative Positions: None
- ii. Sessions as Chair:
  - 1) **Krishnan S** \* Caregiving Needs, Experiences, and Benefits for those Caring for Adults with Neurological Conditions, American Congress of Rehabilitation Medicine, November 2019
  - 2) **Krishnan S** \* Care transitions and post-acute care utilization among older adults with chronic disease in the Medicare population, Aging in America Conference, September 1, 2020, Virtual Webinar due to COVID-19 -- symposium chair

b. Regional:

- i. Administrative Positions:
  - 1) Poster Judge, 2021 Southeast Regional Clinical and Translational Science Conference
  - 2) Poster Judge, 2022 Southeast Regional Clinical and Translational Science Conference
- ii. Sessions as Chair: None

c. Institutional:

- i. Administrative Positions:
  - 1) Poster Judge, Health Services Research Day, 2021
- ii. Sessions as Chair: None

20. Clinical Service Contributions: *None*

21. Community Outreach:

a. General:

- 1) Co-leader, Young and the Restless of Atlanta, Acquired and Traumatic Brain Injury Peer Engagement Group, Feb 2020 – present

b. Media Appearances:

- 1) “Computer simulation predicts development, progress of pressure sores”, Science Daily, 2015
- 2) “Study suggests biomarkers could help ward off pressure ulcers for spinal cord injury patients?”, Research News from the U.S. Department of Veterans Affairs, 2016
- 3) “Many IRF Patients Experience Interruptions in Care – About 10% Due to Preventable Conditions”, Physical Therapy Motion News, American Physical Therapy Association, 2016
- 4) For People with Recent Spinal Cord Injuries, Pneumonia and Pressure Ulcers May Be Connected”, National Rehabilitation Information Center, 2017
- 5) Research article on caregiver’s preferences highlighted in the Agency of Healthcare and Quality (AHRQ) Newsletter, Issue #618, 2018
- 6) “How to care for yourself when you’re caring for someone with Alzheimer’s disease”, NBC Better, 2019
- 7) [“Young Adults with Stroke: Need for Support and Post-acute Care Services”](#) Brain Injury Association of America, 2022

22. Formal Teaching: [*contact hours*]

a. Medical Student Teaching:

- i. Evaluator, Poster session, School of Medicine, Emory University, summer 2018

b. Graduate Programs:

- i. Residency Programs: N/A
- ii. Fellowship Programs: N/A
- iii. Master’s and PhD Programs:
  - a. Co-Instructor– HRS 2705: Rehabilitation Engineering and Assistive Technology Practices, Department of Rehabilitation Science and Technology, University of Pittsburgh, spring 2012 (35 students)
  - b. Co-Instructor – HRS 3702: Soft Tissue Biomechanics, Department of Rehabilitation Science and Technology, University of Pittsburgh, spring 2013 (10 students)
  - c. Guest Lecturer – PHS 6390: Introduction to Rehabilitation Sciences, Division of Rehabilitation Sciences, University of Texas Medical Branch, fall 2014, 2016 (4-5 students)
  - d. Guest Lecturer – Rehabilitation Science Seminar, Division of Rehabilitation Sciences, spring 2016 (5 students)

c. Physical and Occupational Therapy Program:

- i. Evaluator, Poster session, Department of Physical Therapy, University of Texas Medical Branch, June 2015, June 2016 (60 students)
- ii. Evaluator, Research Methods II, Systematic review, Department of Occupational Therapy, University of Texas Medical Branch, summer 2016 (60 students)
- iii. Guest Instructor, Neurological Lab, Department of Physical Therapy, University of Texas Medical Branch, summer 2016 (15 students)

- iv. Guest Instructor, Bridge Neurotherapeutics, Department of Physical therapy, University of Texas Medical Branch, fall 2016 (12 students)
  - v. Co-Instructor – DPT 765: Evidence-based Practice, Division of Physical Therapy, Department of Rehabilitation Medicine, Emory University, School of Medicine, spring 2018, (79 students), 2019, 2020 (71 students), 2021 (58 students)
  - vi. Course Director and Instructor, DPT 915: Clinical Research I, Division of Physical Therapy, Department of Rehabilitation Medicine, Emory University, School of Medicine, fall 2018 (72 students), fall 2019 (76 students), fall 2020 (62 students), fall 2021 (78 students)
  - vii. Course Director and Instructor, DPT 925: Clinical Research II, Division of Physical Therapy, Department of Rehabilitation Medicine, Emory University, School of Medicine, spring 2019 (72 students), spring 2020 (76 students), spring 2021 (62 students), spring 2021 (78 students)
  - viii. Small group teaching (DPT 915 and 925 – 4 each week for two semesters)
    - 1. Sarah Stanley, Naomi Kotai, Mary Nguyen, Raques McGill, Heather Baeta, Emily Bushman, (n=6), 2018-2019
    - 2. Shaun Resseguie, Jacob Travis, Stephanie Gil, Ariel Esperancilla, Karsyn Roberts, Megan Hale, Andy Fernandez, Ellie Niedermair, Gabrielle Ringenberg, Natalie Edwards (n=11), 2019-2020
    - 3. Rachael Stabbert, Douglass Fisher, Sarah Kraman, Stephanie Welch, Keely Collins, Hamza Hasan, Anna Griffith, Kalala Pines, Carlie Erickson (Derrick) (n=9), 2020-2021
    - 4. Allie Druffel, James Gall, Kate Hines, Ryan Gill, Abdurrahman Ghazzawi Dhruvi Patel, Nela Handac, Julia O'Leary, Fang-zhou Zhou, Whitney Stroup, Kyla Maxwell-Brown, Kayla Byrd (n=12), 2021-2022
- d. Undergraduate Program:
- i. Research Advisor, NBB 399R, Neuroscience and Behavioral Biology Program (NBB), Emory College, fall 2018 – present (Tanique McDonald, fall 2018, Gabriel Fonseca, fall 2018, Megna Rao, spring 2020)
  - ii. Research Advisor, NBB 499R, Neuroscience and Behavioral Biology Program (NBB), Emory College, spring 2019 – present (Tanique McDonald, spring 2019, Gabriel Fonseca, spring 2019, Megna Rao, fall 2020, spring 2021, fall 2021 Chris Kopreski, fall 2020, spring 2021, fall 2021, Ema Parez, fall 2021, Ishika Mukerjee, fall 2021)
  - iii. Research Advisor, Biology 499R, Department of Biology, Emory College, spring 2019 – present (Tony Chen, spring 2019, fall 2019)
  - iv. Research Advisor, Quantitative Theory and Methods Fellowship, Department of Quantitative Theory and Methods, Emory College (Tony Chen, fall 2019, spring 2020)
  - v. Research Advisor, ECON 397R1, Directed Reading in Economics (Supervision), Emory University, fall 2020 (Justin Joseph, fall 2020)
  - vi. Research Advisor, Honors Biology (BIOL 495), Biology Department, Emory University, fall 2020 (Tony Chen, fall 2020)
  - vii. Research Advisor, Directed Research, HLTH399R, Human Health Department, Emory College of Arts and Sciences, spring 2021 (Justin Joseph, spring 2021, fall 2021)

### 23. Supervisory Teaching:

#### a. PhD Students Directly Supervised:

- 1) Research Co-Advisor, Catherine Hay, Division of Rehabilitation Sciences, University of Texas Medical Branch, 2015 – 2017. Current Position: Assistant Professor, Texas Women's University.

#### b. DPT Program:

- 1) Advisor – DPT 835: Administration and Consultation in Healthcare, Division of Physical Therapy, Department of Rehabilitation Medicine, Emory University, School of Medicine, spring and summer 2018, 2019, 2020, 2021 (4-5 students each year)
- c. DPT Residency Program:
- 1) Research Advisor, Katelyn Corridon, Physical Therapy Acute Care Resident, Division of Physical Therapy, Department of Rehabilitation Medicine, Emory University, fall 2018 – summer 2019. Current position: Physical Therapist II, Emory University Hospital
  - 2) Research Advisor, Grace Couture, Physical Therapy Neurologic Resident, Division of Physical Therapy, Department of Rehabilitation Medicine, Emory University, fall 2019 – summer 2020 Current position: PRN Physical Therapist, Emory Healthcare and Research Associate, Emory University (Krishnan’s lab)
  - 3) Research Advisor, Charlotte Rutherford, Physical Therapy Acute Care Resident, Division of Physical Therapy, Department of Rehabilitation Medicine, Emory University, fall 2020 (resident discontinued due to personal reasons).
  - 4) Research Mentor: Keely Collins, Doctor of Physical Therapy, Acute Care Resident, Division of Physical Therapy, Department of Rehabilitation Medicine, Emory University, 2021-2022
- d. Undergraduate Students:
- 1) Co-Advisor, Matthew Johnson, Undergraduate Student, Research Experience for Undergraduates, Department of Rehabilitation Science and Technology, University of Pittsburgh, summer 2011
  - 2) Co-Advisor, Rachelle Brick, Undergraduate Student, Bachelors in Philosophy Honors, Department of Rehabilitation Science and Technology, University of Pittsburgh, fall 2012 – spring 2014. Current Position: PhD Candidate, University of Pittsburgh
  - 3) Co-Advisor, Abida Hasan, Medical Student, The Medical Student Training in Aging Research (MSTAR) program, University of Texas Medical Branch, summer 2015. Current position: DO, Suny Downstate Medical Center
  - 4) Research Advisor, Tanique McDonald, undergraduate student, Emory University, spring 2018 – 2019
  - 5) Research Advisor, Haobin Chen, Undergraduate Student, Emory University, summer 2018 – 2021 (currently a PhD student at Dartmouth College, School of Medicine in Quantitative Biomedical Sciences)
    - Tony Chen received the Summer Undergraduate Research Experience award at Emory University, \$3000, summer 2019
    - Tony Chen received the Conference grant from the Undergraduate Research Programs, Emory College of Arts and Sciences, spring 2020
    - Tony Chen secured the [Jefferson Biostatistics Summer Internship](#) in summer 2020
    - Tony Chen graduated with “highest honors” in spring 2021
  - 6) Research Advisor, Gabriela Fonseca, Undergraduate Student, Neuroscience and Behavioral Biology, Emory University, summer 2018 – spring 2019
  - 7) Research Advisor, Megna Rao, Neuroscience and Behavioral Biology, Emory University, summer 2019- 2022
    - Megna Rao received the Conference grant from the Undergraduate Research Programs, Emory College of Arts and Sciences, 2020
  - 8) Research Advisor, Chris Kopeski, Neuroscience and Behavioral Biology, Emory University, spring 2019 – present
    - Chris Kopeski received the Summer Undergraduate Research Experience, Emory University, \$3000, June 2020- August 2020
  - 9) Research Advisor, Justin Joseph, Human Health, Emory University, spring 2020 – present
    - Oral Presentation at the Georgia Clinical and Translational Science Alliance, Callaway Gardens, March 2022

- 10) Research Advisor, Ema Perez, Neuroscience and Behavioral Biology, Emory University, spring 2021 – present
  - Ema Perez received the Summer Undergraduate Research Experience, Emory University, \$3000, June 2022- August 2022
- 11) Research Advisor, Ishika Mukerjee, Neuroscience and Behavioral Biology, Emory University, 2021

24. Lectureships, Seminar Invitations, and Visiting Professorships:

a. National and International:

- 1) Inflammation following Traumatic Spinal Cord Injury in Individuals with Pneumonia and Pressure Ulcers, Division of Rehabilitation Science, University of Texas Medical Branch, Galveston, TX, Feb 12, 2014
- 2) Occurrence of Pressure Ulcers following Traumatic Spinal Cord Injury in Individuals with Pneumonia, Rehabilitation Science, Center of Innovation on Disability and Rehabilitation Research, University of Florida, Gainesville, FL, May 8, 2014
- 3) Somatic Motor and Sensory Systems, Saint Francis University, Loretto, PA, Mar 20, 2015
- 4) Patient Centered Outcomes Research Methodology: Understanding Patients and Caregivers Goals and Preferences, Department of Neurology, Columbia University, NY, Nov 18, 2015
- 5) Perspectives on Neurorehabilitation: Patient Engagement and Shared Decision-Making. Department of Physical Therapy, University of Nevada at Las Vegas, Nevada, Feb 9, 2017
- 6) Patient-Caregiver Engagement and Share Decision Making, University of Kentucky, April 10, 2017
- 7) Patient and Caregiver Engagement during Neurorehabilitation, University of Massachusetts, Lowell, May 9, 2017
- 8) Patient Centered Outcomes Research in Neurorehabilitation, University of North Carolina, Chapel Hill, NC, May 16, 2017
- 9) Patient and Caregiver Perspectives on Neurorehabilitation, University of Buffalo, Buffalo, NY, May 25, 2017
- 10) Patient and Caregiver Engagement during Neurorehabilitation, Shenandoah University, May 31, 2017
- 11) Person-centered perspectives on shared decision-making, Emory University, June 6, 2017
- 12) Enabling Leadership in a Diverse Rehabilitation Community, American Congress of Rehabilitation Medicine Spring Meeting, March 19, 2021
- 13) Improving Rehabilitation Outcomes in Post Acute Care Facilities using Informatics, Learning Health Systems Rehabilitation Research Network and naviHealth, April 26, 2021
- 14) Using Implementation Science to improve Rehabilitation Outcomes, Learning Health Systems Rehabilitation Research Network and Boston Medical Center, July 14, 2021
- 15) Health Systems Research in Rehabilitation, Center of Health Services Training and Research, March 15, 2022
- 16) Health Services Research in Rehabilitation among Individuals with Disabilities, University of Texas Medical Branch, March 23, 2022
- 17) Impact of implementing functional outcomes in outpatient clinics, Boston Medical Center, June 9, 2022

b. Regional:

- 1) Emergency Preparedness among Older Adults, Houston Abilities Expo, Houston, TX, August 5, 2016
- 2) Patient-Centered Preferences for Post-Acute Care Stroke Rehabilitation, Houston Methodist Neurological Institute, Jewish Community Center, Houston, Texas, Feb 2, 2017

- 3) Emergency Preparedness among Older Adults, Houston Abilities Expo, Houston, TX, August 4, 2017
- 4) Physical Therapist Educational Pathway, 9<sup>th</sup> Grade Speaker Series, The Gwinnett School of Mathematics, Science, and Technology, Atlanta, GA, November 15, 2018
- 5) Access to Inpatient Rehabilitation and its Effects on Functional Outcomes Post Stroke Hospitalization, The Atlanta Department of Veterans Affairs Center for Visual and Neurocognitive Rehabilitation, Atlanta, GA, December 5, 2018

c. Institutional:

- 1) Advantages of postdoctoral training, Introduction to Rehabilitation Science, University of Texas Medical Branch, Galveston, TX, October 14, 2014
- 2) Caregivers' perspectives on stroke rehabilitation outcomes, Pepper Investigator's Lecture, University of Texas Medical Branch, Galveston, TX, Dec 3, 2014
- 3) Caregivers' perspectives on improving health care outcomes for stroke survivors, Patient Centered Outcomes Research, Topics in Patient Centered Outcomes Research Lecture Series, University of Texas Medical Branch, TX, Feb 24, 2016
- 4) Perspectives and experiences in doctoral and postdoctoral training, Rehabilitation Science Seminar, University of Texas Medical Branch, Tx, March 3, 2016
- 5) Patient-Centered Mobility Preferences for Post-Acute Care Stroke Rehabilitation, Topics in Patient Centered Outcomes Research Lecture Series, University of Texas Medical Branch, TX, July 8, 2016
- 6) Journey as a PhD student, Introduction to Rehabilitation Science, University of Texas Medical Branch, TX, November 30, 2016
- 7) Perspectives in Neurorehabilitation, Department of Physical Therapy, University of Texas Medical Branch, TX, October 5, 2016
- 8) Patient engagement in selection of post-acute care setting following stroke hospitalization, Rehabilitation Seminar Series, Division of Physical Therapy, Department of Rehabilitation Medicine, Emory University, School of Medicine, Oct 30, 2018
- 9) Comorbidities and Physical and Occupational Therapy Utilization among Medicare Stroke Patients with Pressure Ulcers: Analyzing Minimum Data Set 3.0, Health Policy Management Seminar Series, Department of Health Policy and Management, Rollins School of Public Health, Emory University, Atlanta, GA, March 7, 2019
- 10) Panelist, Health Professionals Panel: Medicine, Nursing, and Public Health, SOC 230, Emory University, April 23, 2019
- 11) Patient Engagement Approaches for Improving Patient-Centered Outcomes Research and Healthcare Outcomes, Geriatrics & Gerontology Research Seminar, Division of Geriatrics, Emory University, School of Medicine, Wesley Woods Health Center, July 11, 2019
- 12) Panelist, Health Professionals Panel: Medicine, Nursing, and Public Health, SOC 230, Emory University, April 27, 2021

25. Invitations to National/International, Regional, and Institutional Conferences:

a. National and International:

- 1) **Krishnan S** \* Speaker, Patient-Centered Preferences Among Individuals with Pressure Ulcer, National Institute of Disability, Independent Living and Rehabilitation Research 40<sup>th</sup> Anniversary Celebration, Washington D.C. October 18, 2018
- 2) **Krishnan S** \* Panelist, Early Career Development Course (ECDC): Successful Interdisciplinary Research in Academics and Industry, American Congress of Rehabilitation Medicine, Atlanta, GA, Oct 25, 2017
- 3) **Krishnan S** \* Panelist, Enabling Leadership in a Diverse Rehabilitation Community, American Congress of Rehabilitation Medicine, Friday, March 19th, 2021 (virtual)

b. Regional

- 1) **Krishnan S\***, Couture G, Mandala M. Healthcare providers knowledge and perceived role in prevention and management of pressure Injuries in skilled nursing facilities. Sothern Gerontological Society, Panama Beach, FL, April 7, 2022

c. Institutional: None

26. Abstract Presentations at National/International, Regional, and Institutional Conferences:  
*Asterisk indicates primary presenter*

a. National and International:

- 1) A Computational, Tissue-Realistic Model of Pressure Ulcer Formation in Spinal Cord Injury Patients. International Conference in Complexity in Acute Illness, September 7, 2012 (oral)
- 2) **Krishnan S\***, Karg, P, Brienza D. Pneumonia Precedes Pressure Ulcers in Individuals with Spinal Cord Injury, Academy of Spinal Cord Injury Professionals, Las Vegas, NV, September 4, 2012 (oral)
- 3) **Krishnan S\***, Yoram V, Karg, P, Brienza D. Inflammation in Individuals with SCI with Pneumonia and Pressure Ulcer Incidence, International Seating Symposium, Nashville, TN Mar 7, 2013 (oral)
- 4) **Krishnan S\***, Karg, P, Boninger M, Brienza D. Association of pneumonia and occurrence of pressure ulcer in individuals with SCI. National Pressure Ulcer Advisory Panel, Houston, TX, February 21, 2013 (poster)
- 5) **Krishnan S\***, Steranes M, Kumar A, Reistetter T. Caregiver Perspective in Patient Centered Outcomes Research Following Stroke, Academy Health, Minneapolis, MN, June 13, 2015 (poster)
- 6) **Krishnan S\***, Yoram V, Boninger M, Karg, P, Brienza D. Early Detection of Pressure Ulcer development following Traumatic Spinal Cord Injury using inflammatory mediators, American Congress of Rehabilitation Medicine, Dallas TX, October 28, 2015 (poster)
- 7) **Krishnan S\***, Steranes M, Kumar A, Reistetter T. Patient and caregiver centered preferences in stroke rehabilitation, American Congress of Rehabilitation Medicine, Dallas, TX, October 28, 2015 (poster)
- 8) **Krishnan S\***, Steranes M, Kumar A, Reistetter T. Systematic review of caregiver needs and perspectives following stroke, The Gerontological Society of America, Orlando, FL, November 21, 2015 (poster)
- 9) Pappadis M, **Krishnan S**, Weller S, Reistetter T. Long-term Cognitive Impairment and Decreased Mood among Community-Dwelling Adults Aging with Stroke. American Congress of Rehabilitation Medicine, Chicago, IL, Nov 2, 2016 (poster)
- 10) **Krishnan S\***, Pappadis M, Weller S, Reistetter T. Mobility preferences among individuals with stroke and their caregivers, American Congress of Rehabilitation Medicine, Chicago, IL, Nov 2, 2016 (poster)
- 11) **Krishnan S\***, Yoram V, Constatine, G, Karg, P, Brienza D Biomarkers associated with pressure ulcer formation in traumatic spinal cord individuals with pneumonia, American Congress of Rehabilitation Medicine, Chicago, IL, Nov 2, 2016 (poster)
- 12) **Krishnan S\***, Graham J, Al Snih. Stress and Depression Among Caregivers for Older Mexican Americans with and Without Stroke. The 21st IAGG World Congress of Gerontology and Geriatrics, San Francisco, CA, July 25, 2017 (poster)
- 13) Pappadis M, **Krishnan S**, Weller S, Tan A, Jarmillo E, Sheffield K, Goodwin J. Continue or Stop: A Qualitative Analysis of Mammography Screening Decision for Older Women. The 21st IAGG World Congress of Gerontology and Geriatrics, July 25, 2017, San Francisco, CA (poster)
- 14) **Krishnan S\***, Hong I, Tzen Y, Reistetter T. Prevalence of Pressure Ulcers among Individuals with Stroke in Skilled Nursing Facilities: Analysis of National Minimum Data Set 3.0. National Pressure Ulcer Advisory Panel, New Orleans, LA, March 10 and 11 (poster)

- 15) Sood P, Devos H, Negm A, Kletzel S, **Krishnan S**, Heyn P. Evidence for the use of Brain Gaming in Older Adults with Cognitive Impairment, American Congress of Rehabilitation Medicine, Atlanta, GA, Oct 25, 2017 (oral)
- 16) **Krishnan S\***, Hay CC, Pappadis M, Reistetter T Patient involvement during post-acute discharge planning, American Congress of Rehabilitation Medicine, Atlanta, GA, October 26 2017 (poster)
- 17) **Krishnan S\*** The Effects and Effectiveness of Structured Physical Activity at Varying Life Stages, American Congress of Rehabilitation Medicine, Atlanta, GA, Oct 27, 2017 (oral)
- 18) **Krishnan S\*** Lecture luncheon: Neurodegenerative Diseases Luncheon - Moving Towards Patient Centered Neurodegenerative Diseases Research: European and USA Comparisons, American Congress of Rehabilitation Medicine, Atlanta, GA, Oct 27, 2017 (oral)
- 19) Evidence-based Pharmacological Interventions After Traumatic Brain Injury, Oct 27, 2017, American Congress of Rehabilitation Medicine, Atlanta, GA
- 20) **Krishnan S\*** Data Sharing in Rehabilitation research: Accessing National Spinal Cord Injury Database and SCI Rehab data, American Congress of Rehabilitation Medicine, Atlanta, GA, Oct 27, 2017 (oral)
- 21) **Krishnan S\*** Neurodegenerative Disease Networking Symposium: An Interactive Research and Mentorship Round Tables Discussion, American Congress of Rehabilitation Medicine, Atlanta, GA, Oct 28, 2017 (oral)
- 22) **Krishnan S\*** Brain Power: How Exercise Improves Cognitive Performance, American Congress of Rehabilitation Medicine, Atlanta, GA, Oct 28, 2017 (oral)
- 23) **Krishnan S\*** Comorbidities and Physical and Occupational Therapy Utilization among Medicare Stroke Patients with Pressure Ulcers: Analysis Minimum Data Set 3.0, Center of Health Services Research (CoHSTAR), Boston, MA, April 4, 2018 (poster)
- 24) **Krishnan S\*** Early Career Scientists Symposium: Complementary Integrative Rehabilitation Medicine, American Congress of Rehabilitation Medicine, Dallas TX, September 30, 2018 (oral)
- 25) **Krishnan S\*** Neurodegenerative Disease Networking Group Symposium: An Interactive Mentorship Round Table Discussion, October 2, 2018, American Congress of Rehabilitation Medicine, Dallas TX\New Frontiers in ND Science: A Presentation by the NDNG Early Career Investigators, American Congress of Rehabilitation Medicine, Dallas TX October 2, 2018 (oral)
- 26) **Krishnan S\*** Patient Engagement Approaches for Improving Patient-Centered Outcomes Research and Healthcare Outcomes, American Congress of Rehabilitation Medicine, Dallas TX, October 3, 2018 (oral)
- 27) **Krishnan S\*** Physical and Occupational Therapy Utilization among Stroke Older Adults with Pressure Injuries, Combined Sections Meeting, Washington, DC, January 24, 2019 (poster)
- 28) **Krishnan S\*** HOT TOPICS IN STROKE: Inconsistent Classification of Mild Stroke and Implications of Health Service Delivery, American Congress of Rehabilitation Medicine, Chicago, IL, November 6, 2019 (oral)
- 29) Pappadis M, **Krishnan S**. Gender and Sex Reporting in the Archives of Physical Medicine and Rehabilitation: A Bibliometric Analysis, American Congress of Rehabilitation Medicine, Chicago, IL, November 7, 2019 (oral)
- 30) **Krishnan S\***, Caston S, Blanton S. Carepartners' Perceptions and Experiences on a Web-Based, Family-focused Rehabilitation Program for Persons with Stroke, American Congress of Rehabilitation Medicine, Chicago, IL, November 8, 2019 (oral)
- 31) Corridon K, Bishop KL, Gordon G, Moll V, **Krishnan S**. AM-PAC "6-Clicks" Basic Mobility Score Predicts Discharge Destination in a Cardiothoracic Intensive Care Unit, Combined Sections Meeting, Denver CO, February 14 2020 (oral)
- 32) **Krishnan S\***, Hong I, Tzen Y, Couture G, Reistetter T. Characteristics and rehabilitation utilization of preexisting superficial and deep pressure injury among stroke elderly admitted to skilled nursing facilities, National Pressure Injury Advisory Panel, Houston TX, February 27-28 2020 (poster)

- 33) **Krishnan S**, Pappadis M, Reistetter T. Care transitions and post-acute care utilization among older adults with chronic disease in the Medicare population, Aging in America Conference, September 1, 2020 (oral)\*, Virtual Webinar due to COVID-19 -- symposium chair
- 34) Kletzel S, Sood P, Kahya M, Negm A, **Krishnan S**, Devos H, Hyen P Cognitive Capacity, Neural Targets and Cognitive Rehabilitation in Older Adults with Neurodegenerative Conditions, American Congress of Rehabilitation Medicine October 21, 2020 (oral)
- 35) Sood P, Devos H, Negm A, Kletzel S, **Krishnan S**. Brain Gaming for Older Adults with Cognitive Impairments: Lessons Learned from the Applied Cognition Geriatric Task Force, American Congress of Rehabilitation Medicine October 21, 2020 (oral)
- 36) Neurodegenerative Diseases Networking Group and Geriatric Rehabilitation Networking Group Symposium: An Interactive Career Mentorship Round Table Discussion, American Congress of Rehabilitation Medicine October 22, 2020 (oral)
- 37) **Krishnan S**, Couture G. Clinician Perspectives on Preventing and Managing Pressure Injuries in Skilled Nursing Facilities. American Congress of Rehabilitation Medicine, October 22, 2020 (poster)
- 38) Sood P, Kletzel S, Negm A, Heyn P, **Krishnan S**, Devos H. Effectiveness of Brain Gaming in Older Adults with Mild Cognitive Impairment or Dementia: A Systematic Review and Meta-analysis, American Congress of Rehabilitation Medicine, October 22, 2020 (poster)
- 39) **Krishnan S\***, Stafford E, Trask A, Spratling M, Kesar T. Perceptions of Older Adults and Stroke Survivors on Technology and Video Games, American Congress of Rehabilitation Medicine, October 22, 2020 (poster)
- 40) Corridon K, Bishop KL, Sharp, J, Niedermair E, and **Krishnan S**. AM-PAC “6-Clicks” Basic Mobility Score Predicts Discharge in Cardiac Intensive Care Units. American Physical Therapy Association Combined Sections Meeting, Feb 1-28, 2021 (poster)
- 41) **Krishnan S\***, Mandala, Spratling M, Stafford E, Trask A, and Kesar T. Stroke Survivors’ Perspectives Regarding Games for Rehabilitation. American Physical Therapy Association Combined Sections Meeting, Feb 1-28, 2021 (poster)
- 42) **Krishnan S\***, Couture G, Mandala M. Facilitators and Barriers to Manage Pressure injuries in Skilled Nursing Facilities. National Pressure Injury Advisory Panel, March 10-12, 2021 (poster)
- 43) **Krishnan S\***, Kopreski C, Mandala M. Needs among minority stroke survivors to access services post hospital discharge, Network of Minority Health Research Investigators (NMRI) 19th Annual Virtual Workshop, April 28, 2021 (poster)
- 44) Sharp JJ, Whitlock KC, **Krishnan S**, Bishop KL, Williams C, Fuhr AK, Uy K. AM-PAC “6-Clicks” Basic Mobility Score Association with Discharge Destination in a Medical Intensive Care Unit. Combined Sections Meeting, American Physical Therapy Association, February 2022 (poster)
- 45) Whitlock KC, Sharp JJ, **Krishnan S**, Bishop KL, Collins KM, Hasan H, Welch SA. Rehabilitation Utilization and Functional Outcomes Among Individuals Diagnoses with COVID-19. Combined Sections Meeting, American Physical Therapy Association, February 2022 (poster)
- 46) Barrett AM, Convoy-Hellmann J, Loring D, Saurman J, Benameur K, Goldstein FC, **Krishnan S**, Nahab F. Acute Stroke Screening for Cognitive Disorders and Depression, International Stroke Conference 2022 (poster)

a. Regional:

- 1) **Krishnan S\***, Pappadis M, Weller S Reistetter T. Mobility preferences among individuals with stroke and their caregivers, 16<sup>th</sup> Annual Conference, Texas Physical Therapy Association, Fort Worth, TX, October 29, 2016 (poster)
- 2) Rao M, **Krishnan S**. Older Women’s Perspectives on Breast Cancer and Treatment, 2020 Southeast Regional Clinical and Translational Science Alliance Conference, Feb 27, 2020 (poster)

- 3) Chen T, **Krishnan S**. Hispanic Caregiver Stress and Burden Among Those Caring for Elderly with Stroke and Multicomorbidity, 2020 Southeast Regional Clinical and Translational Science Alliance Conference, Feb 28, 2020 (poster)
  - 4) Kopreski C, **Krishnan S**. Variations in clinicians' perspectives on impairments, needs, and goals following mild stroke, 2021 Southeast Regional Clinical & Translational Science Conference, March 3-4, 2021 (poster)
  - 5) **Krishnan S\***, Kopreski, C. Identifying Needs and Barriers to Stroke Rehabilitation for Minorities in Metro Atlanta: A Qualitative Analysis, 5th Biennial Community Engagement Research Program Forum, Georgia Clinical & Translational Science Alliance, April 1, 2021 (poster)
  - 6) **Krishnan S\*** Characteristics and rehabilitation utilization of preexisting superficial and deep pressure injury among stroke elderly admitted to skilled nursing facilities, 7<sup>th</sup> Annual Health Services Research Day, May 5, 2021 (poster)
- b. Institutional:
- 1) A Computational, Tissue-Realistic Model of Pressure Ulcer Formation in Spinal Cord Injury Patients. McGowan Institute Retreat, 2012 (oral)
  - 2) **Krishnan S\*** Association of pneumonia and occurrence of pressure ulcer in individuals with SCI-pilot study. Health Disparity poster competition, University of Pittsburgh, PA, April 9, 2012 (poster)
  - 3) Association of pneumonia and occurrence of pressure ulcer in individuals with SCI-pilot study. Research day, University of Pittsburgh, PA, May 24, 2012 (poster)\*
  - 4) Incidence of pressure ulcers in individuals with spinal cord injury in acute care based on ASIA impairment scale and age as risk factors. Research day, University of Pittsburgh, PA, May 24, 2012 (poster)
  - 5) Central Role of IP-10 and IL-10 in Immunosuppression following Traumatic Spinal Cord Injury Inferred from Analyses of Dynamic Networks of Systemic Inflammatory Mediators. Critical Care Medicine Fink Scholar Day, 2013 (oral)
  - 6) **Krishnan S\*** Caregiver perspective in patient centered outcomes research following stroke: A systematic review. 18th Annual Forum on Aging – Sealy Center on Aging, Galveston, TX, December 2, 2014 (poster)
  - 7) Development of an Instrument to Measure Patient Preferred Outcomes for Rehabilitation Post Stroke. Summer Undergraduate Research Program, Graduate School of Biomedical Sciences, Galveston TX, August 7, 2015 (poster)
  - 8) **Krishnan S\*** Mobility outcome preferences among individuals with stroke and caregivers, 19th Annual Forum on Aging – Sealy Center on Aging, University of Texas Medical Branch, Galveston, TX, Oct 22, 2015 (poster)
  - 9) **Krishnan S\*** Rehabilitation Utilization among Older Adults with Pressure Ulcers living in Skilled Nursing Facilities. 5th Annual Health Services research Day. Emory University, School of Medicine, Atlanta, GA, May 9, 2018 (poster)
  - 10) **Krishnan S\*** Access to Inpatient Rehabilitation and its effect on Functional Outcomes following Stroke Hospitalization, 6th Annual Health Services Research Day, Emory University, School of Medicine, Atlanta, GA, May 15, 2019 (poster)
  - 11) Corridon K, Bishop KL, Moll V, **Krishnan S**. AM-PAC TM “6-Clicks” Basic Mobility Score Predicts Discharge Destination in a Cardiothoracic Intensive Care Unit, Division of Physical Therapy, Department of Rehabilitation Medicine, Emory University, Atlanta, GA, July 30, 2019
  - 12) Chen H, **Krishnan S**. Caregiver Stress and Burden among Hispanic Elderly with Stroke, Summer Undergraduate Research Experience, Emory University, Atlanta, GA, August 1, 2019
  - 13) Kopreski C, **Krishnan S**. Variations in clinicians' perspectives on the impairments, needs, and goals of mild stroke survivors, Summer Undergraduate Research Experience, Emory University, Atlanta, GA, July 29, 2020

- 14) Couture G, **Krishnan S**. Clinical Presentation and Clinician Perspectives of Pressure Injury in Skilled Nursing Facilities, Division of Physical Therapy, Department of Rehabilitation Medicine, Emory University, Atlanta, GA, August 27, 2020
- 15) **Krishnan S\*** Couture G, Reistetter T. Characteristics and Rehabilitation Utilization of Preexisting Superficial and Deep Pressure Injury Among Stroke Elderly Admitted to Skilled Nursing Facilities, Health Services Research Day, Emory University, May 5, 2021 (poster)
- 16) **Krishnan S**, Mattie K, Schworm K, and Slavin M. Implementing Functional Outcome Measures in Outpatient Rehabilitation Clinics, Health Services Research Day, Emory University, May 4, 2022 (poster)

27. Research Focus:

My research focuses on health services research and patient-centered outcomes using mixed methods. My work compares the effectiveness of rehabilitation outcomes following stroke hospitalization across post-acute care facilities, access to rehabilitation services among minorities, early detection of quality pressure ulcers, and assessment of caregiver needs and outcomes.

28. Patents: None

29. Grant Support: *[Investigator status (P.I., Co-P.I.), source, title, award type, direct costs, year(s)]*

a. Active Support:

i. Federally Funded:

- 1) **PI**, National Institute of Disability, Independent Living, and Rehabilitation Research, Patient-Centered Pressure Ulcer Outcome Preferences: A Mixed-Methods Study, Switzer Merit Fellowship, Grant no. 90SFGE0002, Score: 98/100, \$70,000, 2017 – 2022, currently at no cost extension
- 2) **Co-I**, National Institutes of Health, National Library of Medicine and National Center for Advancing Translational Sciences, \$1.7 million, 2R42LM013317-02, 2021-2023
- 3) **PI, Faculty Scholar**, Learning Health Systems Rehabilitation Research Network (LeaRRn), National Institutes of Health, Eunice Kennedy Shriver National Institute of Child Health and Human Development and the National Institute of Nursing Research, 1P2CHD101895-01, \$15,000, 2021-2022
- 4) **PI, Faculty Fellow**, Centers for Health Services Training and Research, Foundation for Physical Therapy Research, 2022-2024, \$60,000 each year salary support, and \$7,500 each year training
- 5) **Co-I**, (effort still being calculated 3%), RECOVER Researching COVID to Enhance Recovery, \$20 million, 2021-2025

ii. Institution Funded: None

b. Previous Support:

- 1) Research Assistant, Prospective, Observational, Multi-center Massive Transfusion study (PROMTTT), U.S. Army Medical Research and Material Command subcontract W81XWH-08-C-0712, PI: Dr. Louis Alarcon, MD, 2009 -2010
- 2) Co-Investigator (100%), National Institute on Disability and Rehabilitation Research, Rehabilitation Engineering Research Center on Spinal Cord Injury (#H133E070024), PI: Dr. David Brienza, PhD, 2010-2014
- 3) Advanced Rehabilitation Research Training Fellow, National Institute on Disability and Rehabilitation Research (#H133P990001), PI: Ken Ottenbacher, 2014-2016
- 4) Co-Investigator, Agency for Health Care Research and Quality, R-24, Patient-Centered Outcomes Research in Elderly (PCOR) (# HS022134), PI: Jim Goodwin, \$4.9M, 2014 – 2019

- 5) Co-Investigator, University of Texas Medical Branch, Sealy Center on Aging Pilot Grant, Improving Healthcare for Elders during Disasters, University of Texas Medical Branch, PI: James Graham, PhD, 2015-2016
- 6) Principal Investigator, Understanding the needs and barriers to access rehabilitation services among Stroke Minorities in Atlanta, Center for Faculty Development and Excellence (CFDE), Emory University, \$1000, Fall 2018
- 7) Principal Investigator, Rehabilitation Service Use and Impact on Health Outcomes among Individuals diagnosed with COVID-19 in Acute Care, Academy of Acute Care Physical Therapy Research Seed Grant, \$5000, 2020-2021
- 8) Principal Investigator, Barriers to Access Services among Young Stroke Survivors, Engaged Learning grant, Center for Faculty Development and Excellence (CFDE), Emory University, \$1500, 2021

### 30. Bibliography:

- a. Published and Accepted Research Articles (clinical, basic science, other) in Refereed Journals:
  - 1) Ziraldo C, Solovyev A, Allegretti A, **Krishnan S**, Henzel MK, Sowa GA, Brienza D, An G, Mi Q, Vodovotz Y. A Computational, Tissue-Realistic Model of Pressure Ulcer Formation in Individuals with Spinal Cord Injury. PLOS Computational Biology. 2015, 11(6):e1004309 Highlighted in the University of Pittsburgh Medical Center Physician Resources portal titled "Computer Simulation Predicts Development, Progress of Pressure Sores", 2015
  - 2) Fisher SR, Graham JE, **Krishnan S**, Ottenbacher KJ, Predictors of 30-Day Readmission Following Inpatient Rehabilitation for Patients at High Risk for Hospital Readmission. Physical Therapy. 2016 96(1):62-70
  - 3) **Krishnan S**, Brick RS\*, Karg PE, Tzen YT, Garber SL, Sowa GA et al; Predictive validity of the Spinal Cord Injury Pressure Ulcer Scale (SCIPUS) in acute care and inpatient rehabilitation in individuals with traumatic spinal cord injury. NeuroRehabilitation, 2016, 38(4):401-9
  - 4) **Krishnan S**, Karg PE, Boninger ML, Vodovotz Y, Constantine G, Sowa GA, Brienza DM; Early Detection of Pressure Ulcer Development Following Traumatic Spinal Cord Injury Using Inflammatory Mediators. Archives Physical Medicine and Rehabilitation, 2016, 97(10):1656-62 Highlighted by the Veterans Affairs newsletter titled "Can biomarkers help prevent pressure ulcers?", 2016
  - 5) Middleton A, Graham JE, **Krishnan S**, Ottenbacher KJ; Program Interruptions and Short-Stay Transfers Represent Potential Targets for Inpatient Rehabilitation Care-Improvement Efforts. American Journal of Physical Medicine and Rehabilitation. 2016, 95(11):850-861 Highlighted by the American Physical Therapy association in the Physical Therapy Motion News titled "Many IRF Patients Experience Interruptions in Care – About 10% Due to Preventable Conditions", 2016
  - 6) **Krishnan S**, York MK, Backus D, and Heyn PC. Coping with Caregiver Burnout when caring for individuals with neurodegenerative diseases: A Guide for the Caregiver; Archives Physical Medicine and Rehabilitation. 2017, 98(4):805-807 Listed in Editor's Selected Articles of the Published Issue
  - 7) **Krishnan S**, Karg PE, Boninger ML, Brienza DM. Association between presence of pneumonia and pressure ulcer formation following traumatic spinal cord injury; Journal of Spinal Cord Medicine. 2017, 40(4):415-422 Highlighted by the National Rehabilitation Information Center titled "For People with Recent Spinal Cord Injuries, Pneumonia and Pressure Ulcers May Be Connected", 2017
  - 8) **Krishnan S**, Vodovotz Y, Karg PE, Constantine G, Sowa GA, Constantine FJ\*, Brienza DM; Inflammatory mediators associated with pressure ulcer development in individuals with pneumonia following traumatic spinal cord injury: A pilot study. Archives Physical Medicine and Rehabilitation. 2017, 98(9):1792-1799

- 9) Brienza D, **Krishnan S**, Karg P, Sowa G, Allegretti AL. Predictors of pressure ulcer incidence following traumatic spinal cord injury: a secondary analysis of a prospective longitudinal study. *Spinal Cord*. 2018, 56(1):28-34
- 10) Collins DM, Downer B, Kumar A, **Krishnan S**, Li C, Markides KS, Karmarkar AM. Impact of Multiple Chronic Conditions on Activity Limitations Among Older Mexican American Care Recipients. *Preventing Chronic Disease*. 2018, 15: E51
- 11) Houston AJ, Pappadis MR, **Krishnan S**, Weller SC, Giordano, SH, Bevers T, Volk RJ, Hoover DS. Resistance to Discontinuing Breast Cancer Screening in Older Women: A Qualitative Study. *Psycho-Oncology*. 2018, 27(6):1635-1641
- 12) **Krishnan S**, Pappadis MR, Weller SC, Fisher SR, Hay CC\*, Reistetter TA; Patient-centered mobility outcome preferences according to individuals with stroke and caregivers: a qualitative analysis. *Disability and Rehabilitation*. 2018, 40(12):1401-1409.
- 13) Pappadis MR, Volk RJ, **Krishnan S**, Weller S, Hoover D, Giordano S, Jaramillo E, Houston A, Tan, Sheffield K, and Goodwin JS. Perceptions of overdiagnosis of breast cancer among women 70 years of age and older in the USA: a mixed- methods analysis. *BMJ*; 2018, 8(6): e022138
- 14) **Krishnan S**, Anderson D, Chan S, Kim S, Reistetter T, Sood P, Mortera M, Heesakker J, and Heyn P. Overview of Common Complementary and Integrative Approaches to Managing Chronic Pain: A guide for patients with chronic pain. *Archives of Physical Medicine and Rehabilitation*, 2018, 99(11):2393-2394
- 15) Smith T, Pappadis M, **Krishnan S**, and Reistetter T. Post-stroke visual concerns reported by both stroke survivors and caregivers: A qualitative study. *Behavioural Neurology*. 2018, 1463429
- 16) Pappadis MR, **Krishnan S**, Hay C, Łukaszewska B, Sander AM, Weller SC, and Reistetter TA; Lived Experiences of Chronic Cognitive and Mood Symptoms among Community-Dwelling Adults Following Stroke: A Mixed-Methods Analysis. *Aging and Mental Health*. *Aging Mental Health*. 2018 Oct 27:1-7 [Epub ahead of print]
- 17) **Krishnan S**, Pappadis M, Runo R, and Graham J. Experiences and needs of older adults following Hurricane Ike: A pilot study, *Health Promotion Practice*. 2019, 20(1):31-37.
- 18) Smith T, **Krishnan S**, Hong I, and Reistetter T. Measurement Validity of the Low Vision Independence Measure. *American journal of occupational therapy*, 2019 May/Jun;73(3):7303205070p1-7303205070p11
- 19) Hoover DS, Pappadis MR, Houston AJ, **Krishnan S**, Weller SC, Giordano SH, Bevers TB, Goodwin JS, Volk RJ. Preferences for Communicating about Breast Cancer Screening Among Racially/Ethnically Diverse Older Women. *Health Communication*. 26:1-5. 2019, 34(7):702-706
- 20) **Krishnan S**, Hay CC\*, Deutsch A, Pappadis M, and Reistetter T. Stroke survivors' perspectives on the selection of a post-acute care setting, rehabilitation goal setting, and satisfaction with post-acute care rehabilitation, and transition to home, *Journal of Neurologic Physical Therapy*, 2019 Jul;43(3):160-167
- 21) Kim S, Capo-Lugo C, Reed WR, Vora A, Ehsanian R, **Krishnan S**, Hu X, Galantino ML, Mortera MH, Beattie A, Sasson N, Theodore BR, Erb M, Heyn P. 1. Using a Survey to Characterize Rehabilitation Professionals' Perceptions and Use of Complementary, Integrative, and Alternative Medicine. *J Altern Complement Med*. 2020 Aug;26(8):663-665. Epub 2020 Apr 17
- 22) Kahya M, Sood P, Devos H, **Krishnan S**, Hirsch MA, Heyn P. Falls Risk and Alzheimer Disease: A Patient Guide. *Arch Phys Med Rehabil*. 2020 May;101(5):931-935. Epub 2020 Feb 27.
- 23) Downer B, Knox S, Wong DC, Faieta J, **Krishnan S**. Postacute Care: A Guide for People with Dementia and Their Caregiver. *Archives of Physical Medicine and Rehabilitation*. 2021
- 24) Whitlock K, Mandala M, Bishop KL, Sharp J, Moll V, and **Krishnan S**. Lower AM-PAC "6-Clicks" Basic Mobility Score Predicts Discharge to a Postacute Care Facility Among Patients in Cardiac Intensive Care Units," *Physical Therapy*. 2021 Oct 29: pzab252

- 25) **Krishnan S** Hong I, Couture G, Tzen YT, and Reistetter T. Pressure injury on post-stroke admission assessment to skilled nursing facilities: risk factors, management, and impact on rehabilitation, *Journal of the American Medical Directors Association*, In Press
- b. Review Articles:
- 1) **Krishnan S**, Pappadis MR, Weller S, Stearnes M\*, Kumar A, Ottenbacher KJ, Reistetter TA. Needs of Stroke Survivors as Perceived by Their Caregivers: A Scoping Review. *Am J Phys Med Rehabil* 2017, 96(7):487-505  
*Highlighted in the Agency of Healthcare and Quality (AHRQ) Newsletter, Issue #618, 2018*
  - 2) Sood P, Kletzel S, **Krishnan S**, Devos H, Negm A, Hoffecker L, Machtinger J, Hu X, & Heyn P. Nonimmersive Brain Gaming for Older Adults with Cognitive Impairment: A Scoping Review. *Gerontologist*. 2019 [Epub ahead of print]
  - 3) Kim S, Mortera M, Hu, X., **Krishnan S**, Hoffecker L, Herrold A, Terhorst L, King L, Machtinger J., Zumsteg JM, Negm A., & Heyn P. Overview of pharmacological interventions after traumatic brain injuries: impact on selected outcomes. *Brain Injury*. 2019, 33(4), 442-455
  - 4) Schwartz J, Capo-Lugo CE, Akinwuntan AE, Roberts P, **Krishnan S**, Belagaje S, Kovic M, Burns S, Hu X, Danzl M, Devos H & Page S Classification of Mild Stroke: A Mapping Review. *PM&R*. 2019, Sep;11(9):996-1003
  - 5) Roberts P, **Krishnan S\***, Ouellette D, Burns S, Pappadis M. Inconsistent Classification of Mild Stroke, and Implications of Health Services Delivery: A Scoping Review. *Archives of Physical Medicine and Rehabilitation*. 2020 Jul;101(7):1243-1259. Epub 2020 Jan 28  
\* Indicates co-first author
  - 6) Faieta, J. M., Devos, H., Vaduvathiriyam, P., York, M. K., Erickson, K. I., Hirsch, M. A., Downer, B. G., van Wegen, E. E. H., Wong, D. C., Philippou, E., Negm, A., Ahmadnezhad, P., **Krishnan, S.**, Kahya, M., Sood, P., & Heyn, P. C. (2021). Exercise Interventions for Older Adults with Alzheimer's Disease: A Systematic Review and Meta-Analysis Protocol. *Syst Rev*, 10(1), 6. doi:10.1186/s13643-020-01555-8
  - 7) Kletzel, S. L., Sood, P., Negm, A., Heyn, P. C., **Krishnan, S.**, Machtinger, J., ... & Devos, H. (2021). Effectiveness of Brain Gaming in Older Adults with Cognitive Impairments: A Systematic Review and Meta-Analysis. *Journal of the American Medical Directors Association*.
  - 8) Kim S, Montera M, Wen PS, Thompson K, Lundgren K, Reed W, Sasson N, Wright S, Vora A, **Krishnan S**, Joseph J, Heyn P, Chin B. The Impact of Complementary and Integrative Medicine following Traumatic Brain Injury: A Scoping Review. *Journal of Head Trauma Rehabilitation*. 2022. In Press
- c. Symposium Contributions (*Papers published in the proceedings from a conference*):
- 1) Pneumonia Precedes Pressure Ulcers in Individuals with Spinal Cord Injury, Academy of Spinal Cord Injury Professionals, Las Vegas, NV, September 4, 2012
  - 2) Inflammation in Individuals with SCI with Pneumonia and Pressure Ulcer Incidence, International Seating Symposium, 2013
  - 3) Association of pneumonia and occurrence of pressure ulcer in individuals with SCI. National Pressure Ulcer Advisory Panel, 2013
  - 4) Caregiver perspective in patient centered outcomes research following stroke: A systematic review. 18th Annual Forum on Aging – Sealy Center on Aging, 2014
  - 5) Mobility outcome preferences among individuals with stroke and caregivers, 19th Annual Forum on Aging – Sealy Center on Aging, 2015
  - 6) Prevalence of Pressure Ulcers among Individuals with Stroke in Skilled Nursing Facilities: Analysis of National Minimum Data Set 3.0. National Pressure Ulcer Advisory Panel, 2017
- d. Book Chapters:
- 1) Vodovotz, Y., & An, G. (Acknowledgement) (2014). *Translational systems biology: concepts and practice for the future of biomedical research*. Elsevier (2015), Elsevier

- 2) **Krishnan S**, Pappadis M, and Reistetter T (2019). Chapter 7. Qualitative Research on Caregiving Outcomes. In Hayre C and Muller D. *Enhancing Healthcare and Rehabilitation: The Impact of Qualitative Research*, 271-84. Boca Raton, Florida, Taylor & Francis Group
- e. Published Abstracts:
- 1) Mi Q, Constantine G, Megas C, **Krishnan S**, Allegretti A, Sowa G, Brienza D, Vodovotz V. Urinary tract infections precede pressure ulcers in spinal cord injury patients. *Wound repair and regeneration* 19 (2), A39-A39, 2011
  - 2) Zaaqoq A, Namas R, Almahmoud K, **Krishnan S**, Azhar N, Ziraldo C, Mi Q, Zamora R, Brienza D, Vodovotz V. Mathematical modeling of altered inflammatory response after traumatic spinal cord injury in blunt trauma. *Critical care medicine* 40 (12), U288-U288, 2012
  - 3) **Krishnan S**, Karg P, Boninger M, Vodovotz Y, Constantine G, Sowa G, Brienza D. *Archives of Physical Medicine and Rehabilitation* 96 (12), e22, 2015
  - 4) A Kumar, K Kulkarni, S Teppala, **S Krishnan**, AM Karmarkar. Fall Risk Assessment Among Indian Older Adults: A Literature Review. *Archives of Physical Medicine and Rehabilitation* 96 (10), e118-e119, 2015
  - 5) Reistetter T, **Krishnan S**, M Stearnes M, Weller S. Patient and Caregiver Centered Outcome Preferences in Stroke Rehabilitation. *Archives of Physical Medicine and Rehabilitation*. 96 (10), e76, 2015
  - 6) Hasan A, **Krishnan S**, Pappadis M, Reistetter T. Development of a Pilot Survey: Addressing Patient-centered Outcomes for Rehabilitation Post Stroke *Journal of the American Geriatrics Society*. 64, S258, 2016
  - 7) M Pappadis, **S Krishnan**, CC Hay, A Sander. Linking Impaired Self-Awareness and Emotional Distress After Traumatic Brain Injury (TBI): Mediation Effect of Post-injury Self-concept *Archives of Physical Medicine and Rehabilitation* 97 (10), e134-e135, 2016
  - 8) Pappadis M, **Krishnan S**, Hay CC, Reistetter TA. Long-term Cognitive Impairment and Decreased Mood Among Community-Dwelling Adults Aging with Stroke. *Archives of Physical Medicine and Rehabilitation* 97 (10), e115, 2016
  - 9) **Krishnan S**, Pappadis, Weller SC, Fisher S, Reistetter TA. Mobility preferences among individuals with stroke and their caregivers *Archives of Physical Medicine and Rehabilitation* 97 (10), e114-e115, 2016
  - 10) **Krishnan S**, Vodovotz V, Karg P, Constantine G, Sowa G, and Brienza D. Biomarkers Associated with Pressure Ulcer Formation in Traumatic Spinal Cord Individuals with Pneumonia. Volume 97, ISSUE 10, e128-e129, 2016
  - 11) **Krishnan S**, Graham J, Al Snih S. Stress and depression among caregivers for older Mexican Americans with and without stroke. *Innovation in Aging*, 783-784, 2017
  - 12) Pappadis M, **Krishnan S**, Weller S, Tan A, Jaramillo E, Sheffield KM, Goodwin J. Continue or stop: a qualitative analysis of mammography screening decision for older women. *Innovation in Aging* 1 (suppl\_1), 462-463, 2017
  - 13) **Krishnan S**, Hay C, Pappadis MR, Deutsch A, Reistetter TA. Patient Involvement in Selecting Post-Acute Care Rehabilitation Facilities Following Stroke. *Archives of Physical Medicine and Rehabilitation*; 98 (10), e90, 2017
  - 14) Smith T, **Krishnan S**, Hong I, Reistetter T. Examination of the Smith's Low Vision Independence Measure Using Rasch Item Response Theory. *Archives of Physical Medicine and Rehabilitation*, 98 (12), e167-e16, 2017
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31. Contributions Not Otherwise Noted: None