

Curriculum Vitae

Date: April 2024

Peggy P. Barco

Contact Information

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Program in Occupational Therapy
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Present Position

2023 – Present Professor, Program in Occupational Therapy and Department of Medicine
Washington University School of Medicine, St. Louis, MO

Education

Undergraduate

1981 BS; Social Work, University of Missouri, Columbia, MO

1984 BS; Occupational Therapy, Washington University School of Medicine, St. Louis,
MO

Graduate

1987 MS; Occupational Therapy, Washington University School of Medicine, St. Louis,
MO

2013 Doctor of Occupational Therapy; Washington University School of Medicine, St.
Louis, MO

Academic Positions/Employment

1994 – 2005 Adjunct Faculty
Program in Occupational Therapy
St. Louis University, St. Louis, MO

2006 – 2007 Adjunct Faculty
Program in Occupational Therapy
Washington University School of Medicine, St. Louis, MO

2007 – 2014 Instructor
Program in Occupational Therapy and Department of Medicine, Washington
University School of Medicine, St. Louis, MO

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- 2015 – 2019 Assistant Professor
Program in Occupational Therapy and Department of Medicine, Washington
University School of Medicine, St. Louis, MO
- 2019 – 2023 Associate Professor
Program in Occupational Therapy and Department of Medicine
Washington University School of Medicine, St. Louis, MO
- 2023 – Present Professor
Program in Occupational Therapy and Department of Medicine
Washington University School of Medicine, St. Louis, MO

Clinical Title and Responsibilities

- 1984 – 1986 Staff Occupational Therapist
Burn Unit and Acute Medical at Irene Walter Johnson Institute of Rehabilitation
Washington University Medical Center, St. Louis, MO
- 1986 – 1988 Program Specialist
Head Injury Resource Center at Irene Walter Johnson Institute of Rehabilitation
Washington University Medical Center, St. Louis, MO
- 1988 - 1989 Assistant Clinical Director
Head Injury Resource Center at Irene Walter Johnson Institute of Rehabilitation
Washington University Medical Center, St. Louis, MO
- 1989 – 1990 Acting Clinical Director
Head Injury Resource Center AT Irene Walter Johnson Institute of Rehabilitation
Washington University Medical Center, St. Louis, MO
- 1990 – 2005 Program Case Manager/Team Leader
Head Injury Resource Center and Rehabilitation Driving Coordinator
St. John's Mercy Medical Center, St. Louis, MO
- 2005-2010 Administrative Director of Medical Services
The Center for Head Injury Services, St. Louis, MO
- 2007 – 2019 Coordinator and Clinician: Driving Connections: A Collaboration between
Washington University School of Medicine, The Rehabilitation Institute of St.
Louis, and Independent Drivers, LLC.
- 2019 – Present Developing and implementing a Comprehensive Driving Evaluation Program for
varied medical conditions in collaboration with Washington University
Occupational Therapy Community Practice

Teaching Title and Responsibilities

Washington University School of Medicine

Curriculum Vitae

2007	Lab Instructor, OT5833: Communication Skills for OT Mental Health
2008	Co-Course Director, OT5421: Applied Clinical Research I
2009 – 2011	Co-Course Director, OT5223: Medical and Mental Health Conditions
2013 – 2019	Course Director, OT 5835: Interventions Supporting Recovery and Participation in Individuals with Cognitive and Learning Challenges (3 credits)
2015 – 2020	Mentor, OT 605: Applied Clinical Practice I
2015 – 2020	Mentor, OT 606: Applied Clinical Practice II
2015 – 2020	Mentor, OT 607: Applied Clinical Practice III
2016 – 2020	Mentor, OT608: Applied Clinical Practice IV
2020 – Present	Couse Co-Director, MO1 642 Evaluation and Intervention: Adults and Older Adults 1 (6 credits)
2020 – 2023	Course Director, OT682 Translational Science in Action (3 credits)
2021 – present	Mentored Scholarship, OT 658,648,658
2024	Instructor, MO1 626 Professional Identity and Practice II

University, School of Medicine, and Hospital Appointments and Committees

2007 –2009	Member, Fieldwork Committee, Washington University School of Medicine Program in Occupational Therapy
2010 – 2015	Member, Scholarship Committee Washington University School of Medicine Program in Occupational Therapy
2010 – 2019	Member, Admissions Committee Washington University School of Medicine Program in Occupational Therapy
2011 – 2013	Member, Curriculum Revision Committee for Intervention Courses Washington University School of Medicine Program in Occupational Therapy
2015 – 2016	Member, Diversity and Inclusion Committee, Washington University School of Medicine, Program in Occupational Therapy
2016 – Present	Member, Continuing Education Committee Washington University School of Medicine, Program in Occupational Therapy
2017 – 2020	Facilitator, The Center for Inter-Professional Practice and Education Washington University School of Medicine
2019 – 2023	Member, CIPE Curriculum and Assessment Committee

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Washington University School of Medicine

- 2020 – Present Co-Chair, Curriculum Committee
Washington University School of Medicine Program in Occupational Therapy
- 2023 – Present Co-Chair, Competency Attainment Committee
Washington University School of Medicine Program in Occupational Therapy

Medical Licensure and Certifications

- 1985 – Present Registered Occupational Therapist
License number: AA299321
- 1999 – Present Occupational Therapy Licensure, State of Missouri
License number: 004941
- 2013 – Present Specialty Certification, Driving and Community Mobility
American Occupational Therapy Association
- 2015 – Present Driving Rehabilitation Specialist Certification, Association of Driving
Rehabilitation Specialists
Certification number: 316

Honors and Awards

- 1981 Graduated Magna Cum Laude, Bachelor of Social Work, University of Missouri
Columbia
- 1992 Employee of the Month, St. John’s Mercy Medical Center
- 1993 YMCA Working Women of Achievement Award
- 1997 Spirit of Excellence Award, Brain Injury Association of Missouri
- 2007 Roberta Sheldon Award for Prevention and Education in Brain Injury, Brain Injury
Association of Missouri
- 2013 OTD with high honors; Washington University School of Medicine, Program in
Occupational Therapy
- 2013 AOTA Service Commendation; Member Driving and Community Mobility Phase II
Panel
- 2013 2013 Jerome Ely Human Factors Article Award for best article in 2012 volume of
Human Factors: “Naturalistic Validation of an On - Road Driving Test of Older
Drivers

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- 2017 Roster of Fellows Award in Advancement of Driving Rehabilitation Practice; The American Occupational Therapy Association
- 2021 Named to the Honor Roll of Academy of Educators at Washington University in St. Louis, School of Medicine
- 2023 Credentialed Leader in Academia, The American Occupational Therapy Association
Successful completion of 2022-23 Academic Leadership Institute
- 2024 Scholar Award for Outstanding Scholarly Achievement in Driving Evaluation, Research, and/or Engineering, The Association for Driver Rehabilitation Specialists (ADED)

Editorial Responsibilities

- 2014 Practice Standards Review for Driving and Community Mobility
American Occupational Therapy Association
- 2015 Guest Reviewer
American Journal of Occupational Therapy
- 2015 Guest Reviewer
Canadian Journal of Occupational Therapy
- 2016 Guest Reviewer
Occupational Therapy Journal of Research (OTJR)
- 2018 Guest Reviewer
Occupational Journal of Research (OTJR 18-0037)
- 2018 Guest Reviewer
Accident Analysis and Prevention (AAP-D-18-00498)

Community Service Contributions

Professional Societies/Organizations

- 1981 – 1986 National Association of Social Workers
- 1984 – 1988 American Congress of Physical and Rehabilitation Medicine
- 1984 – Present Missouri Occupational Therapy Association
- 1984 – Present American Therapy Occupational Therapy Association
- 2016 – Present Association of Driving Rehabilitation Specialists (ADED)

Consulting Relationships and Board Memberships

- 1990 – 1992 Board of Directors
Academy for Head Injured Adults

Curriculum Vitae

1991 – 1996	Board of Directors Missouri Head Injury Association
1995	Fourth Vice President, Board of Directors Missouri Head Injury Association
1996	Member, Program Development Committee Brain Injury Association of Missouri
2003 – 2006	Member, Information and Referral Committee Brain Injury Association of Missouri
2006 – Present	Member, Conference Planning Committee Brain Injury Association of Missouri
2009 – 2010	Driving Rehabilitation Consultant Alzheimer's Disease & Memory Disorders Center, Rhode Island Hospital
2012 – 2013	Member AOTA Driving and Community Mobility Sub-Committee to Revise Specialty Certification
2013 – 2016	Member AOTA Board of Advanced and Specialty Certification (BASC), Specialty for Driving and Community Mobility
2015 – 2016	Consultant Traffic Injury Research Foundation (TIRF), Ottawa, ON, Canada
2016 – Present	Volunteer Consultant AOTA – Board and Specialty Certification (BASC)
2016 – Present	Consultant, University of Illinois Chicago (Engage-IL HRSH Grant) Inter-Professional Geriatrics Training Program: Driving Safety of the Older Adult
2016 – Present	Volunteer Consultant AOTA – Board and Specialty Certification (BASC)
2017	Consultant Medscape/Web MD
2017	Expert Panel Consultant, Visual Scanning Training for Older Drivers, USDOT/NHTSA project, Philadelphia, PA
2017 – 2023	Consultant, Development and implementation of a driving rehabilitation program University of Missouri at Columbia

Research Support

Governmental

Curriculum Vitae

Past

- 2007 – 2008 Missouri Department of Transportation (MODOT), 08-PT-02-142, “Fitness to Drive in Older Adults.”
Principal Investigator: David Carr, MD, Washington University School of Medicine, Department of Internal Medicine.
Co-Investigator: Peggy Barco, OTD, OTR/L, SCDCM, CDRS, Washington University School of Medicine, Program in Occupational Therapy (20%).
- 2008 – 2009 Missouri Department of Transportation (MODOT), 09-PT-02-162, “Fitness to Drive in Older Adults.”
Principal Investigator: David Carr, MD, Washington University School of Medicine, Department of Internal Medicine.
Co-Investigator: Peggy Barco, OTD, OTR/L, SCDCM, CDRS, Washington University School of Medicine, Program in Occupational Therapy (20%).
\$70,000
- 2009 – 2010 Missouri Department of Transportation (MODOT), 10-PT-02-152, “Fitness to Drive in Older Adults.”
Principal Investigator: David Carr, MD, Washington University School of Medicine, Department of Internal Medicine.
Co-Investigator: Peggy Barco, OTD, OTR/L, SCDCM, CDRS, Washington University School of Medicine, Program in Occupational Therapy (35%).
\$152,340.30
- 2010 – 2011 Missouri Department of Highways and Transportation (MoDOT), 11-DL-02-2, “Fitness to Drive in Older Adults II.”
Principal Investigator: David Carr, MD, Washington University School of Medicine, Department of Internal Medicine.
Co-Investigator: Peggy Barco, OTD, OTR/L, SCDCM, CDRS, Washington University School of Medicine, Program in Occupational Therapy (20%).
\$88,517
- 2011 –2012 Missouri Department of Highways and Transportation (MoDOT), 12-DL-02-001, “Expanding Medical Fitness to Drive.”
Principal Investigator: Peggy Barco, OTD, OTR/L, SCDCM, CDRS, Washington University School of Medicine, Program in Occupational Therapy (33%).
Co-Investigator: David Carr, MD; Washington University School of Medicine, Department of Internal Medicine.
\$109,999.00
- 2012 – 2013 Missouri Department of Highways and Transportation (MoDOT), 13-DL-02-001, “Expanding Medical Fitness to Drive.”
Principal Investigator: David Carr, MD, Washington University School of Medicine, Department of Internal Medicine.
Co-Investigator: Peggy Barco, OTD, OTR/L, SCDCM, CDRS, Washington University School of Medicine, Program in Occupational Therapy (35%)
\$117,553.00
- 2013 – 2014 Missouri Department of Highways and Transportation (MoDOT), 14-DL-02-002), “Expanding Medical Fitness to Drive.”
Principal Investigator: Peggy Barco, OTD, OTR/L, SCDCM, CDRS, Washington University School of Medicine, Program in Occupational Therapy (20%)

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Co-Investigator: David Carr, MD; Washington University School of Medicine,
Department of Internal Medicine.
\$83,809.78

- 2012 – 2015 National Institutes of Health (NIH), R01 AG043434, “Driving Performance in Preclinical Alzheimer’s Disease.”
Principal Investigator: Cathy Roe, PhD; Washington University School of Medicine, Department of Neurology
Investigator: Peggy Barco, OTD, OTR/L, SCDCM, CDRS, Washington University School of Medicine, Program in Occupational Therapy (40-58%).
\$2,383,459.00
- 2014 – 2015 Missouri Department of Highways and Transportation (MoDOT), 15-DL-02-003, “Expanding Medical Fitness to Drive.”
Principal Investigator: Peggy Barco, OTD, OTR/L, SCDCM, CDRS, Washington University School of Medicine, Program in Occupational Therapy (30%).
\$96,453.00
- 2015 – 2016 Missouri Department of Highways and Transportation (MoDOT,) 16-DL-02-003, “Expanding Medical Fitness to Drive Training Validation Study, Part II.”
Principal Investigator: Peggy Barco, OTD, OTR/L, SCDCM, CDRS, Washington University School of Medicine, Program in Occupational Therapy (30%).
\$127,875.00
- 2016 – 2017 Missouri Department of Highways and Transportation (MoDOT), 17-DL-02-001, “Standardizing the Traffic Sign Naming Test.”
Principal Investigator: Peggy Barco, OTD, OTR/L, SCDCM, CDRS, Washington University School of Medicine, Program in Occupational Therapy (35%).
\$137,901.00
- 2015 – 2018 National Institute of Mental Health (NIMH/OBSSR), R01MH099011
“Enhanced Medical Rehabilitation for Older Adults.”
Principal Investigator: Eric Lenze, MD; Washington University School of Medicine, Department of Psychiatry
Investigator Peggy Barco, OTD/L, BSW, OTR/L, Washington University School of Medicine, Program of Occupational Therapy (20%).
\$3,137,862.00
- 2017 – 2018 Missouri Department of Highways and Transportation (MoDOT), 18-DL-02-001, “Driving Safety Predictors.”
Principal Investigator: Peggy Barco, OTD, OTR/L, SCDCM, CDRS, FAOTA, Washington University School of Medicine, Program in Occupational Therapy (15 - 35%).
\$140,472.31
- 2018 – 2019 Missouri Department of Highways and Transportation (MoDOT), 19-DL-02-001, “Rural Driving Study and Traffic Signs.”
Principal Investigator: Peggy Barco, OTD, OTR/L, SCDCM, CDRS, FAOTA, Washington University School of Medicine, Program in Occupational Therapy (25%).
\$157,078.91

Curriculum Vitae

- 2019 JCA Charitable Foundation
“Driving Retirement Workshop”
Principal Investigator: Patricia H. Creel, PT, DPT, NCS, Program Coordinator
Consultant: Peggy Barco, OTD, OTR/L, SCDCM, CDRS, FAOTA,
American Parkinson Disease Association-Greater St. Louis Chapter.
\$4,840
- 2019 – 2020 Missouri Department of Highways and Transportation (MoDOT), 20-DL-02-001,
Competitive Continuation Grant “Rural Driving Study and Traffic Signs.”
Principal Investigator: Peggy Barco, OTD, OTR/L, SCDCM, CDRS, Washington
University School of Medicine, Program in Occupational Therapy (25%).
\$183,740.91
- 2015 – 2021 National Institutes of Health (NIH), RO1ETO26199, “At-Risk Driving and
Compensatory Strategies in Older Adults with Glaucoma.”
Principal Investigator: Anjali Borade, MD, MSCI; Washington University School
of Medicine, Department of Ophthalmology and Visual Sciences
Co-Investigator: Peggy Barco, OTD, OTR/L, SCDCM, CDRS, Washington
University School of Medicine, Program in Occupational Therapy (30-40%).
\$2,541,898.00
- 2020 – 2021 Missouri Department of Highways and Transportation (MoDOT), 21-DL-02-001,
Competitive Continuation Grant “Rural Driving Study and Traffic Signs.”
Principal Investigator: Peggy Barco, OTD, OTR/L, SCDCM, CDRS, Washington
University School of Medicine, Program in Occupational Therapy (20%).
\$185,492
- 2021-2022 Missouri Department of Highways and Transportation (MoDOT), 22-DL-02-001,
Competitive Continuation Grant “Rural Driving Study and Traffic Signs.”
Principal Investigator: Peggy Barco, OTD, OTR/L, SCDCM, CDRS, Washington
University School of Medicine, Program in Occupational Therapy (15-20%).
\$130,000
- 2018 – 2024 Craig H. Neilsen Foundation
#542448, “Patient Engagement Intervention in Inpatient Spinal Cord
Rehabilitation.”
Principal Investigator: Wing Kai “Alex” Wong, PhD, Washington University
School of Medicine, Program in Occupational Therapy
Co-Investigator: Peggy Barco, OTD, OTR/L, SCDCM, CDRS, Washington
University School of Medicine, Program in Occupational Therapy (1-25%).
\$199,943.00
- 2022 – 2023 Missouri Department of Highways and Transportation (MoDOT), 23-DL-02-001,
Competitive Continuation Grant “Sharing Knowledge: Older Drivers.”
Principal Investigator: Peggy Barco, OTD, OTR/L, SCDCM, CDRS, Washington
University School of Medicine, Program in Occupational Therapy (15-20%).
\$150,000

Curriculum Vitae

Non-governmental

Past

- 2007 – 2008 “Fitness to Drive in Neurologically Impaired Older Adults,” Longer Life Foundation (LLF).
Principal Investigator: David Carr, MD, Washington University School of Medicine, Department of Internal Medicine.
Co-Investigator: Peggy Barco, OTD, OTR/L, SCDCM, CDRS, Washington University School of Medicine, Program in Occupational Therapy (10%).
- 2008 – 2009 “Fitness to Drive in Neurologically Impaired Older Adults,” Longer Life Foundation (LLF).
Principal Investigator: David Carr, MD, Washington University School of Medicine, Department of Internal Medicine.
Co-Investigator: Peggy Barco, OTD, OTR/L, SCDCM, CDRS, Washington University School of Medicine, Program in Occupational Therapy (6.25%)
\$16,000
- 2019 “Driving Retirement Workshop,” JCA Charitable Foundation
Principal Investigator: Patricia H. Creel, PT, DPT, NCS, Program Coordinator, American Parkinson Disease Association – Greater St. Louis Chapter
Consultant (paid): Peggy Barco, OTD, OTR/L, SCDCM, CDRS, Washington University School of Medicine, Program in Occupational Therapy
\$4,840

Present

- 2016 – Present Washington University Driving and Research Center Repository, Washington University Program in Occupational Therapy, Program Funds
Principal Investigator: Peggy Barco, OTD, OTR/L, SCDCM, CDRS, Washington University School of Medicine, Program in Occupational Therapy

Trainee/Mentee/Sponsorship Record

Supervised/Mentored Master’s Student Projects

- 2007 – 2009 Tunistra, S. *Personal Digital Assistant Assessment Battery and Training Protocol as a Memory Compensation for Individuals with Traumatic Brain Injury*
- 2007 – 2009 Paskell, T. *Development of a Post Driver Evaluation Survey: Mobility Counseling and Depression*
- 2009 – 2011 Merelos, A. *Clinical Predictors of Driving Performance in Parkinson’s Disease*
- 2014 – 2016 Rosen, J. *Video Training to Improve Scoring Methodology in Driving Assessments*
- 2014 – 2016 Krenk, C. *Video Training to Improve Scoring Methodology in Driving Assessments*
- 2015 – 2017 Hathaway, C. *The Development of On-Line Training Modules to Train Clinicians in the Standardized Scoring of Driving Errors*

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- 2015 – 2017 Bateman, K. *The Development of On-Line Training Modules to Train Clinicians in the Standardized Scoring of Driving Errors*
- 2017 – 2019 Scelfo-Dalbey, C. *Can Performance-Based Functional Screens Differentiate On-Road Test Performance in Individuals with Dementia*
- 2017 – 2019 Kawamoto, D. *Using a Performance-Based Route-Finding Task in Evaluations for Drivers with Dementia*
- 2017 – 2019 Israel, S. *Designing an On-Road Assessment Route to Approximate Features for Drivers with Dementia*
- 2018 – 2020 Whitaker, E. *Inter-rater Reliability of the Modified Executive Function Route-finding Task*
- 2018 – 2020 McNeel-Moore, S. *Quality Assurance of a Driving Retirement Program for Parkinson's Disease*

Supervised/Mentored Doctoral Student Apprenticeships

- 2006 Shefman, J. *Doctoral Apprenticeship: Program Development with TBI*
- 2015 Croston, J. *Doctoral Apprenticeship: Driving Evaluation*
- 2015 Burch, K. *Doctoral Apprenticeship: Teaching*
- 2016 Ball, K. *Doctoral Apprenticeship: Teaching*
- 2016 – 2019 Daws, C. *Community Participation after Recommended Driving Retirement in Older Adults with Dementia*
- 2017 – 2020 Bishop, E. *Community Mobility after Driving Cessation for Adults with Dementia and their Caregivers*
- 2019 Daws, C. *Doctoral Apprenticeship: Driving Evaluation and Scholarly Writing (3 weeks)*
Faculty Mentor for Capstone Experience
- 2018 – 2021 Teslow, R. *Exploration of an Online Training Program to Measure on-Road Driving Errors; Faculty mentor for Capstone Experience*
Faculty Mentor for Capstone Experience
- 2018 – 2021 Rindner, R. *Reliability of a Performance Based Screening Tool for Occupational Therapists to Identify Fitness to Drive in Persons with Dementia*
Faculty Mentor for Capstone Experience
- 2019 – 2021 Brostoff, B. *On the RODE Again: Efficacy of the record of Driving Errors (RODE) Online Training Course*
- 2019 – 2021 Reindl, Rachel. *Reliability of the Complex Medication Management Task (CMMT)*
Faculty Mentor for Capstone Experience

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- 2021 – 2022 Freedman, Jacqueline. *Driving Performance & Perceptions in Older Adults with Glaucoma*
Faculty Mentor for Capstone Experience
- 2021 - 2022 Castro, Alyssa. *Driving Performance & Perceptions in Older Adults with Glaucoma*
Faculty and Site Mentor for Capstone Experience (May thru August 2023)
- 2022 - 2023 Christensen, Nikki. *Efficacy of the Complex Medication Management Task in Determining Fitness to Drive in Adults Diagnosed with Dementia*
Faculty Mentor for Capstone Experience
- 2022 – 2023 Wallis, Megan. *Driving with a Right Below-Knee Lower Extremity Amputation: Preferences and Abilities*
Faculty Mentor for Capstone Experience
- 2022 – 2023 Rogers, Christine. *Repository for Washington University Driving and Research Center (WUDRC)*
Faculty Mentor for Capstone Experience
- 2023 - present Clements, Katie.
- 2023 - present Mansouri Raven.

Patents/ Copyright

Record of Driving Errors (RODE) ©Barco, 2007

Bibliography

Original, peer reviewed articles in refereed journals

1. Crosson, B., **Barco, P. P.**, Velozo, C. A., Bolesta, M. M., Cooper, P. V., Werts, D., & Brobeck, T. C. (1989). Awareness and compensation in postacute head injury rehabilitation. *Journal of Head Trauma Rehabilitation, 4*(3), 46-54. <https://doi.org/10.1097/00001199-198909000-00008>
2. Carr, D. B., **Barco, P. P.**, Wallendorf, M. J., Snellgrove, C. A., & Ott, B. R. (2011). Predicting road test performance in drivers with dementia. *Journal of the American Geriatrics Society, 59*(11), 2112-2117. <https://doi.org/10.1111/j.1532-5415.2011.03657.x>
3. *Ott, B. R., Papandonatos, G. D., Davis, J. D., & **Barco, P. P.** (2012). Naturalistic validation of an on-road driving test of older drivers. *Human Factors, 54*(4), 663-674. <https://doi.org/10.1177/0018720811435235>
4. Meuser, T. M., Berg-Weger, M., Niewoehner, P. M., Harmon, A. C., Kuenzie, J. C., Carr, D. B., & **Barco, P. P.** (2012). Physician input and licensing of at-risk drivers: A review of all-inclusive medical evaluation forms in the US and Canada. *Accident Analysis and Prevention, 46*, 8-17. <https://doi.org/10.1016/j.aap.2011.12.009>

Curriculum Vitae

5. Hetland, A. J., Carr, D. B., Wallendorf, M. J., & **Barco, P. P.** (2014). Potentially driver-impairing (PDI) medication use in medically impaired adults referred for driving evaluation. *Annals of Pharmacotherapy*, 48(4), 476-482. <https://doi.org/10.1177/1060028014520881>
6. Aufman, E. L., Bland, M. D., **Barco, P. P.**, Carr, D. B., & Lang, C. E. (2013). Predictors of return to driving after stroke. *American Journal of Physical Medicine and Rehabilitation*, 92(7), 627-634. <https://doi.org/10.1097/PHM.0b013e318282bc0d>
7. ***Barco, P. P.**, Wallendorf, M. J., Snellgrove, C. A., Ott, B. R., & Carr, D. B. (2014). Predicting road test performance in drivers with stroke. *American Journal of Occupational Therapy*, 68(2), 221-229. <https://doi.org/10.5014/ajot.2014.008938>
8. ***Barco, P. P.**, Carr, D. B., Rutkoski, K., Xiong, C., & Roe, C. M. (2015). Interrater reliability of the Record of Driving Errors (RODE). *American Journal of Occupational Therapy*, 69(2). <https://doi.org/10.5014/ajot.2015.013128>
9. ***Barco, P. P.**, Baum, C. M., Ott, B. R., Ice, S., Johnson, A., Wallendorf, M., & Carr, D. B. (2015). Driving errors in persons with dementia. *Journal of the American Geriatrics Society*, 63(7), 1373-1380. <https://doi.org/10.1111/jgs.13508>
10. Vernon, E. K., Babulal, G. M., Head, D., Carr, D., Ghoshal, N., **Barco, P. P.**, Morris, J. C., & Roe, C. M. (2015). Adults aged 65 and older use potentially distracting electronic devices while driving. *Journal of the American Geriatrics Society*, 63(6), 1251-1253. <https://doi.org/10.1111/jgs.13499>
11. Papandonatos, G. D., Ott, B. R., Davis, J. D., **Barco, P. P.**, & Carr, D. B. (2015). Clinical utility of the Trail-Making Test as a predictor of driving performance in older adults. *Journal of the American Geriatrics Society*, 63(11), 2358–2364. <https://doi.org/10.1111/jgs.13776>
12. Bhorade, A., Yom, V., **Barco, P.**, Wilson, B., Gordon, M., & Carr, D. (2016). On-road driving performance of patients with bilateral moderate and advanced glaucoma. *American Journal of Ophthalmology*, 166, 43–51. <https://doi.org/10.1016/j.ajo.2016.02.03>
13. Bland, M., Birkenmeier, R., **Barco, P.**, Lenard, E., Lang, C., & Lenze, E. (2016). Enhanced medical rehabilitation: Effectiveness of a clinical training model. *Neurorehabilitation*, 39(4), 481–498. <https://doi.org/10.3233/NRE-161380>
14. Carr, D., **Barco, P.**, Babulal, G., Stout, S., Johnson, A., Xiong, C., Morris, J., & Roe, C. (2016). Association of functional impairments and co-morbid conditions with driving performance among cognitively normal older adults. *PloS One*, 11(12), e0167751–. <https://doi.org/10.1371/journal.pone.0167751>
15. Roe, C., **Barco, P.**, Head, D., Ghoshal, N., Selsor, N., Babulal, G., Fierberg, R., Vernon, E., Shulman, N., Johnson, A., Fague, S., Xiong, C., Grant, E., Campbell, A., Ott, B., Holtzman, D., Benzinger, T., Fagan, A., Carr, D., & Morris, J. (2017). Amyloid imaging, cerebrospinal fluid biomarkers predict driving performance among cognitively normal individuals. *Alzheimer Disease and Associated Disorders*, 31(1), 69–72. <https://doi.org/10.1097/wad.0000000000000154>
16. Lenze, E., **Barco, P.**, & Bland, M. (2018). Depression and functional impairment: A pernicious pairing in older adults. *The American Journal of Geriatric Psychiatry*, 26(1), 73–74. <https://doi.org/10.1016/j.jagp.2017.09.02>

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17. Allison, S., Babulal, G., Stout, S., **Barco, P.**, Carr, D., Fagan, A., Morris, J., Roe, C., & Head, D. (2018). Alzheimer disease biomarkers and driving in clinically normal older adults: Role of spatial navigation abilities. *Alzheimer Disease and Associated Disorders*, 32(2), 101–106.
<https://doi.org/10.1097/WAD.0000000000000257>
18. Vanlaar, W., Mainegra Hing, M., Meister, S., Charles, J., Ireland, L., Mayhew, D., Carr, D., **Barco, P.**, & Robertson, R. (2019). Pilot study of a new road test to assess cognitive fitness to drive. *Transportation Research. Part F, Traffic Psychology and Behaviour*, 65, 258–267.
<https://doi.org/10.1016/j.trf.2019.07.022>
19. Lenze, E. J., Lenard, E., Bland, M., **Barco, P.**, Miller, J. P., Yingling, M., Lang, C. E., Morrow-Howell, N., Baum, C. M., Binder, E. F., & Rodebaugh, T. L. (2019). Effect of enhanced medical rehabilitation on functional recovery in older adults receiving skilled nursing care after acute rehabilitation: A randomized clinical trial. *JAMA network open*, 2(7), e198199.
<https://doi.org/10.1001/jamanetworkopen.2019.8199>
20. Bland, M. D., **Barco, P.**, Lang, C. E., Lenard, E., Kallmi, S., Pennock, S., & Lenze, E. J. (2020). Activity level and intensity of older adults in skilled nursing rehabilitation measured via actigraphy. *Journal of geriatric physical therapy*, 10.1519/JPT.0000000000000259. Advance online publication. <https://doi.org/10.1519/JPT.0000000000000259>
21. ***Barco, P. P.**, Wallendorf, M., Rutkoski, K., Dolan, K., Rakus, D., Johnson, A., & Carr, D. B. (2020). Validity and Reliability of the Traffic sign Naming Test (TSNT) and Written Exam for Driving Decisions (WEDD) as measures of fitness to drive among older adults. *The American journal of occupational therapy: official publication of the American Occupational Therapy Association*, 74(3), 7403205090p1–7403205090p10. <https://doi.org/10.504/ajot.2020.034389>
22. *McNeel Moore, S., Blenden, G., Creel, P., & **Barco, P. P.** (2020, October). Driving retirement for Persons With Parkinson’s Disease and Their Care Partners: A Novel Interactive Workshop. *OT Practice*, 25(10), 18-21.
23. ***Barco, P. P.**, Wallendorf, M., Blenden, G., Rutkoski, K., Dolan, K., & Carr, D. (2021). Caregiver prediction of driving fitness in older adults with dementia. *Clinical Gerontologist*, 1-8.
doi:10.1080/07317115.2021.1872130
24. Ercal, B., Rodebaugh, T., Bland, M., **Barco, P.**, Lenard, E., Lang, C.E., Miller, J.P., Yingling, M., Lenze, E.J. (2021). Executive function moderates Functional Outcomes of Engagement Strategies during Rehabilitation in Older Adults. *American Journal of Physical Medicine & Rehabilitation*, 100(7), 635-642. doi: 10.1097/PHM.0000000000001739
25. Walsh, R.J., McKay, V.R., Hansen, P.E., Barco, P.P., Jones, K., Lee, Y., Patel, R.D., Chen, D., Heinemann A.W., Lenze, E. J., & Wong, A.W.K. (2022). Using implementation science to guide the process of adapting a patient engagement intervention for inpatient spinal cord injury/ disorder rehabilitation. *Archives of Physical Medicine and Rehabilitation*, 103 (11), 2180-2188.
Doi: 10.1016/j.apmr.2022.04.010
26. Sabapathypillai, S.L., Perlmutter, M., **Barco, P.P.**, Wilson, B., Gordon, M., Carr, D., Bhorade, A. Self-reported driving difficulty, avoidance, and negative emotion with on-road driving performance in older adults with glaucoma (2022). *American Journal of Ophthalmology*, 241, 108-119.
doi: 10.1016/j.ajo.2022.04.011

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27. Costello, M., **Barco, P.P.**, Manning, K. J., O'Brien, K. E. Older adult driving performance assessed under simulated and on-road conditions. *Applied Neuropsychology*, published online May 15, 2022, <https://doi.org/10.1080/23279095.2022.2066533>
28. Classen, S., Gélinas, I; **Barco, P.**; Gibsen, B.; Hafner, E.; Jeghers, M.; Coppa Wandenkolk, I.; Devos, H. Automated Vehicles: Future Initiatives for Occupational Therapy Practitioners and Driver Rehabilitation Specialists. *Occupational Therapy Journal of Research*, published online Feb 22, 2024, doi 10.1177/15394492241229993
29. **Barco, P.P.**, Schold-Davis, Elin, Dickerson, A. AOTA Position Paper: Driving and Community Mobility, *American Journal of Occupational Therapy*. Bethesda, MD; American Occupational Therapy Association Press, *in press*

Invited Publications

1. Sandson, J., Crosson, B., Posner, M. I., Brobeck, T. C., **Barco, P. P.**, Velozo, C. A. (1988). Attentional imbalances following head injury. In J.M. Williams, C. J. Long (Eds.), *Cognitive Approaches to Neuropsychology* (pp. 45-49). Plenum.
2. **Barco, P.P.**, Crosson, B.C., Bolesta, M.M., Werts, D., & Stout, R. (1991) Training awareness and compensation in post-acute head injury rehabilitation. In J. S. Kreutzer, P. H. Wehman (Eds.), *Cognitive Rehabilitation for Persons with Traumatic Brain Injury: A Functional Approach*. (pp. 129-147). Paul H. Brookes.
3. Carr, D., **Barco, P.P.** (2010). The older driver (introduction, functional assessment, interventions, medical assessment). In R. Berkow and M. H. Beers (Eds.), *The Merck Manual of Medical Information, Professional Edition and Consumer Version*. Merck Publishing.
4. **Barco, P. P.**, Stav, W.B., Arnold, R., Carr, D. (2012). Cognition and Community Mobility. In M. J. McGuire & E. Schold Davis (Eds). *AOTA Self-paced clinical course: Driving and community mobility* (pp. 137-172). AOTA.
5. **Barco, P. P.**, Dappen, M. S. (2014). Occupational Therapy for Individuals with Stroke in the Outpatient Rehabilitation Setting. In T. J. Wolf (Ed.), *Stroke: Interventions to Support Occupational Performance; Neurorehabilitation in Occupational Therapy Series, Vol II* (pp.. 275-306). AOTA.
6. Stowe, J. D., **Barco, P.P.**, Carr, D.B. (2017) Simulated Driving Performance of People with Dementia. In S. Classen (Ed.), *Driving Simulation: Sharing Evidence, Enhancing Practice – A Guide for Health Care Professionals* (pp. 213-224). AOTA.
7. **Barco, P.P.**, Pierce, S. (2017). Simulated Driving Performance of People with Physical Disabilities In S. Classen (Ed.), *Driving Simulation: Sharing Evidence, Enhancing Practice – A Guide for Health Care Professionals* (pp 171-186). AOTA.
8. **Barco, P.P.**, Carr, D. (2018). The older driver (introduction, functional assessment, interventions, medical assessment). In R. Porter, J. L. Kaplan, & L. B. Richard (Eds.), *The Merck Manual of Diagnosis and Therapy* (pp. 2877-2882). Merck, Sharpe, and Dohme.
9. Burch, K., **Barco, P.P.** Cognitive disabilities model: interventions for clients with dementia. (2019). In T. J. Wolf, D. Edwards, & G. Giles (Eds.), *Functional Cognition* (pp. 239-262). AOTA.

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10. **Barco, P. P.**, Gillen, G., Wolf, T.J. (2019). Cognitive intervention selection: Learning and concepts of transfer. In T. J. Wolf, D. Edwards, & G. Giles (Eds.), *Functional Cognition and Occupational Therapy: A Practical Approach to Treating Individuals with Cognitive Loss* (pp. 179-188). AOTA.
11. Manning, K. J., **Barco, P. P.**, Schultheis, M. T. (2019). Driving evaluation in older adults. In: *Handbook on the Neuropsychology of Aging and Dementia* (2nd ed.). Springer Science.
12. Wolf, T. J., **Barco, P.P.**, Giles, G. M. (2019). Functional Cognition Understanding the Importance to Occupational Therapy. *OT Practice Magazine*, AOTA, 12-15.
13. Taff, S.D., Russell-Thomas, D.C., Tyminski, Q.P., Wilson, A., **Barco, P.**, & Berg, C. (2021). Occupational therapy in pandemic: Facing challenges, building resilience, and sparking innovation. In A. Lynch, L. Tekell, & R. Ashcraft (Eds.). *Trauma Informed Care & Occupational Therapy*. Bethesda, MD: American Occupational Therapy Association Press.

Peer-Reviewed Presentations

1. Crosson, B. C. & **Barco, P. P.** (1990, November). *Awareness and compensations in post-acute rehabilitation in comparative cognitive models*. Seminar presented at the 9th Annual National Head Injury Foundation Symposium, New Orleans, LA.
2. **Barco, P. P.**, Scheldt, C. (2008, April). *Understanding and working with insight deficits in brain injury*. Short Course at The American Occupational Therapy Association National Conference, Long Beach, CA.
3. Niewoehner, P., **Barco, P. P.**, Croston, J., Carr, D. (2008, November). *Evidenced-based driving evaluations and dementia: an interdisciplinary approach*. Paper presented at The Gerontological Society of America 61st Annual Scientific Meeting, National Harbor, MD.
4. **Barco, P. P.**, Hollingsworth, H., Ice, S., & Carr, D. (2009, April). *The future of medical fitness to drive: linking evidence and practice*. Short course at The American Occupational Therapy Association National Conference, Houston, TX.
5. Hunt, L., **Barco, P. P.**, & Carr, D. (2010, May). *A multifactorial "older driver with dementia" evaluation model guides fitness to drive decisions*. Short course at The American Occupational Therapy Association National Conference, Orlando, FL.
6. Carr, D. B., **Barco, P. P.**, & Hollingsworth H. (2010, June). *Fitness-to-Drive in Older Adults with Dementia*. Presentation at Alzheimer's Association International Conference on Alzheimer's disease (ICAD) Scientific Program: Featured Research Session, Honolulu, HI.
7. Carr, D. B., **Barco, P. P.**, Galvin, J. C., Ott, B. R., Morris, J. C. (2010, November). *Fitness-to-Drive in Stroke*. Presentation at 71st Annual Assembly of American Academy of Physical Medicine and Rehabilitation (AAPM&R), Seattle, WA.
8. Davis, J. D., Papandonatos, G. D., Miller, L. A., Knott, S. L., Festa, E. K., Heindel, W. C., **Barco, P. P.**, Ott, B. R. (2011, February). *Road Test and Naturalistic Driving Behavior in Older Adults with and without Memory Loss: Environment Matters*. Presentation at Journal of the International Neuropsychological Society, Boston, MA.

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9. **Barco, P. P.**, Neiwoehner, P., Ice, S., Carr, D. B. (2011, April). *Defining Clinical Predictors of Driving Performance in Older Adults*. Presentation at American Occupational Therapy Association National Conference, Philadelphia, PA.
10. **Barco, P. P.**, Ice, S., Carr, D. B. (2012, October). *Driving Evaluation: Trends and Research*. Presentation at Brain Injury Association of Missouri, 8th Annual Statewide Conference, St. Charles, MO.
11. **Barco, P. P.**, Meuser, T. (2012, November). *The Record of Driving Errors (RODE): Quantitative Analysis of Driving Errors in Older Adults with and without Dementia*. Presentation at 65th Annual Scientific Meeting of Gerontological Society of America, San Diego, CA.
12. Carr, D. B., **Barco, P. P.**, Dolan, K., Waldendorf, M., Roe, C. M. (2014, April). *Caregiver Prediction of Road Test Performance. Presentation at American Occupational Therapy Association National Conference*, Baltimore, MD.
13. **Barco, P. P.**, Carr, D. B., Ott, B. R., Ice, S., Baum, C. M., Roe, C. M. (2014, April). *Assessing Driving Errors in Dementia Through the Record of Driving Errors (RODE)*. Presentation at American Occupational Therapy Association National Conference, Baltimore, MD.
14. Roe, C. M., **Barco, P. P.**, Head, D. M., Ghoshal, N., Selsor, N., Babulal, G. M., Fierberg, R., Vernon, E. K., Shulman, N., Johnson, A., Fague, S., Xiong, C., Grant, E. A., Campbell, A., Holtzman, D. M., Benzinger, T., Fagan, A. M., Carr, D. B., Morris, J. C. (2015, July). *Amyloid imaging and cerebrospinal fluid biomarkers predict driving performance in preclinical Alzheimer's disease*. Presentation at Alzheimer's Association International Conference, Washington, DC.
15. Vernon, E. K., Babulal, G. M., Head, D., Wallendorf, M., Carr, D. B., Ghoshal, N., **Barco, P. P.**, Morris, J. C., Roe, C. M. (2015, July). *Adults 65 and older use potentially distracting electronic devices while driving*. Presentation at Alzheimer's Association International Conference, Washington, DC.
16. Babulal, G. M., Vernon, E. K., Ghoshal, N., Head, D. M., **Barco, P. P.**, Carr, D. B., Morris, J. C., Roe, C. M. (2015, July). *The relationship between mood states and preclinical Alzheimer's disease in older adults*. Presentation at Alzheimer's Association International Conference, Washington, DC.
17. **Barco, P. P.**, Stav, W. B., Carr, D. B., Classen, S., Monahan, M., Luther-King, M.V., Womack, J., Schold Davis, E. (2015, April). *Screening, Assessment, and Evaluation Related to Driving and Community Mobility across the Life Span*. Presentation at The American Occupational Therapy Association's 95th annual Conference & Expo: Giving Voice to the Distinct Value of Occupational Therapy, Nashville, TN.
18. Classen, S., Akinwuntan, A., Alvarez, L., **Barco, P. P.**, Carr, D., Devos, H., Evans, D., Hirsch, P., Monahan, M., Swanepoel, L., Winter, S. (2015, November). *Driving Simulation: Sharing Evidence and Enhancing Practice*. Workshop at the Association for Driver Rehabilitation Specialist's Annual Conference, Louisville, KY.
19. **Barco, P. P.**, Wallendorf, M., Rutkoski, K., Johnson, A., Dolan, K., Meuser, T. M., Stowe, J., Carr, D. B. (2015, November). *Traffic Sign Naming and Written Examinations as Predictors of*

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- Driving Performance in Dementia*. Paper at The Gerontological Society of America, Orlando, FL.
20. Stowe J, Meuser TM, Carr, D. B., **Barco, P. P.** (2015, November). *Older Adults' Health Status Predicts State Driving Examination Errors*. Paper at The Gerontological Society of America, Orlando, FL.
 21. **Barco, P. P.**, Carr, D. B., Rutkoski, K., Wallendorf, M., Johnson, A., Vernon, E. K., Babulal, G. M., Roe, C. M. *Traffic sign identification and driving in preclinical Alzheimer's disease (AD)* [poster]. (2015, November). The Gerontological Society of America, Orlando, FL.
 22. Meuser, T. M., Berg-Weger, M., **Barco, P. P.**, Stowe, J., Carr, D.B. (2015, November). *Pass-Fail Differences in Older Drivers Rated Capable by Physicians*. Symposium at The Gerontological Society of America, Orlando, FL.
 23. Carr, D. B., **Barco, P. P.** and Preclinical Alzheimer's Grant Team (2015, November). *The Impact of Medical Conditions and Medications on Road Test Errors in Older Adults* [poster]. The Gerontological Society of America, Orlando, FL.
 24. Babulal, G. M., Vernon, E. K., Ghoshal, N., Head, D. M., Carr, D. B., **Barco, P. P.**, Morris JC, Roe CM. (2015, November). *Stress and driving errors in older adults with and without preclinical Alzheimer's disease*. Poster at Bio Behavioral Health. The Gerontological Society of America. Orlando, FL.
 25. **Barco, P. P.**, Wheatley, C., Carr, D. B. (2016, August). *Dementia and Driving – Current Evidence and Clinical Relevance*. Workshop at Annual Conference for Association for Driver Rehabilitation Specialists, Columbus, OH.
 26. **Barco, P. P.**, Classen, S., Alvarez, L., Keanan, T.P., Dickerson, A., Evans, D. (2017, March). *Driving Interventions: Best Evidence and Practice in Driving Simulation with At-Risk Populations through the Lifespan*. Workshop at American Occupational Therapy Association National Conference, Philadelphia, PA.
 27. Dickerson, A. E., Schold Davis, E., **Barco, P. P.** (2017, August). *The Generalist/Specialists as Collaborators: The Evidence behind Driving Decisions for Dementia*. Workshop at National Annual Conference for Association for Driver Rehabilitation Specialists, Albuquerque, NM.
 28. Schold Davis, E., Dickerson, A.E., **Barco, P.P.** (2018, April). *OT-DRIVE: A Five-Step Guide for Generalist Practice Routine Evaluation and Implementation of Driving and Community Mobility as an instrumental Activity of Daily Living*. Short Course at the American Occupational Therapy Association National Conference, Salt Lake City, UT.
 29. **Barco, P.P.**, Dickerson, A.E., Schold Davis, E., Touchinsky, S., Dolan, K., Burch, K., Bateman, K. (2018, April). *Cognition, Therapy, and Driving: Let's Not Just "Think" About It – Let's Do It*. Workshop at the American Occupational Therapy Association National Conference, Salt Lake City, UT.
 30. **Barco, P. P.**, Sclarici, J., Daws, C., Wallendorf, M., Rutkoski, K., Dolan, K., Carr, D. (2019, April). *Traffic Signs and Written Tests in Predicting Driving Performance in Persons with Dementia*. [poster]. American Occupational Therapy Association National Conference, New Orleans, LA.

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31. **Barco, P.P.**, Giles, G., Burch, K., Wolf, T. (2019, April). *Functional Cognitive Intervention: What Occupational Therapists Need to Know*. Workshop at the American Occupational Therapy Association National Conference, New Orleans, LA.
32. **Barco, P.P.** & Telsow, R. (2019, August). *Standardizing the Measurement of On-Road Driving Assessment and Driving Errors*. Workshop at the Association for Driver Rehabilitation Specialists, Lexington, KY.
33. Wong, A. W. K., Hansen, P., **Barco, P.**, Walsh, R., Lee, Y., & Lenze, E. (2019, November). *Implementation and adaptation of Enhanced Medical Rehabilitation: Intervention to optimize patient engagement and outcomes* [Symposium]. American Congress of Rehabilitation Medicine 2019 Annual Meeting, Chicago, USA.
34. Walsh, R., McKay, V., **Barco, P.**, Hansen, P., Jones, K., Lee, Y., & Wong, A. (2019, December). *Implementing enhanced medical rehabilitation in spinal cord injury rehabilitation: Adaptations from a community advisory board and research team collaboration* [poster]. 12th Annual Conference on the Science of Dissemination and Implementation, Arlington, VA.
35. Walsh, R., McKay, V., **Barco, P.**, Hansen, P., Jones, K., Lee, Y., & Wong, A. (2020, February). *Researcher-stakeholder collaboration to adapt a patient engagement intervention for spinal cord injury rehabilitation* [Poster session]. BJC 2020 Patient Safety & Quality Symposium, St. Louis, USA.
36. Walsh, R., Papadimitriou, C., Hansen, P., **Barco, P.**, McKay, V., Lenze, E., Lee, Y., Jones, K., Heinemann, A., & Wong, A. (2020, March). *Understanding patient engagement in spinal cord injury rehabilitation and therapists' use of communicative and relational strategies*. Poster presentation accepted to the American Occupational Therapy Association 2020 Annual Conference, Boston, MA (Conference cancelled).
37. Walsh, R., McKay, V., **Barco, P.**, Hansen, P., Jones, K., Lee, Y., & Wong, A. W. K. (2020, April). *Adapting a patient engagement intervention for spinal cord injury rehabilitation: Modifying Enhanced Medical Rehabilitation to address social determinants of health*. [Poster session]. National Collaborative to Address Social Determinants of Health Annual Conference, Chicago, USA (Conference cancelled).
38. Sabapathypillai, S.L, Perlmutter, M.S., **Barco, P.P.**, Wilson, B., Gordon, M., Carr, D., Bhorade, A.M. Clinical factors associated with at-risk driving in older adults with glaucoma. Poster presentation at American Academy of Ophthalmology Conference, Amelia Island, Florida, November 2021.
39. Dickerson, A & **Barco, P.P.** (2023, October). *How to use the best evidence without a statistics course*. In person presentation at 47th ADED Annual Conference & Expo, Kansas City, MO, Sept/Oct 2023.
40. **Barco, P.P.**, Touchinsky, S., Schold-Davis, E., & Dickerson, A. *Sharpen your clinical reasoning skills: Complex driving cases of older adults with cognitive challenges*. In person presentation at 47th ADED Annual Conference & Expo, Kansas City, MO, Sept/Oct 2023.
41. **Barco, P.P.** & Blendon, G. *Stop! Yield! The administration and scoring of the traffic sign naming test*. In person presentation at 47th ADED Annual Conference & Expo, Kansas City, MO, Sept/Oct 2023.

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Invited Presentations

1. **Barco, P. P.** & Crosson, B. C. (1989). *Awareness and compensation after head injury*. Paper presented at The Missouri Occupational Therapy Association Spring Conference – Enhancing Skills for Functional Outcomes, St. Louis, MO.
2. **Barco, P. P.** & Luter S. (2009). *Driving as we age: rehabilitation driver's assessments*. Presentation at St. Louis Parkinson's Leadership Training Seminar, Clayton, MO.
3. **Barco, P. P.** (2009, June). *The rehabilitation driving assessment*. Presentation at The Physical Medicine and Rehabilitation Interns at Washington University School of Medicine, St. Louis, MO.
4. **Barco, P. P.**, Matheson, L., Scheidt, C., & Anson, L. (2009, August). *Innovative approaches in brain injury rehabilitation*. Presentation at Missouri Employers Mutual, St. Louis, MO.
5. **Barco, P. P.**, Scheidt, C., Wunderlick, J., Tuinstra, S. (2009, October). *PDA's – considerations for use as a memory compensation following brain injury*. Presentation at The Brain Injury Association of Missouri: 5th Annual Statewide Conference, St. Louis, MO.
6. **Barco, P. P.** (2010, October). *The Impact of Disruptions in Executive and Awareness on Performance*. Presentation at Second Annual Rehabilitation Research Day: Advances in Neuro Rehabilitation, St. Louis, MO.
7. **Barco, P. P.**, Niewoehner, P., Ice, S., Carr, D. (2011). *Defining Clinical Predictors of Driving Performance in Older Adults*. Presentation at Missouri Occupational Therapy State Conference, St. Louis, MO.
8. **Barco, P. P.**, Carr, D. B. (2011, October). *The Impact of Cognitive Deficits on the IADL of Driving*. Presentation at American Occupational Therapy Association National Specialty Conference on Adult Cognition, St. Louis, MO.
9. **Barco, P. P.** (2011, October). *Dementia and Driving: Current Evidence and Clinical Relevance*. Department of Geriatric Psychiatry, University of Connecticut, Storrs, CT .
10. Carr, D. B., **Barco, P. P.**, Stowe J. (2014, October). *Driving and Older Adults with Medical Impairment*. Presentation at Washington University Mini Medical School, St. Louis, MO.
11. **Barco, P. P.**, Wallendorf, M., & Carr, D. B. (2014, October). *Dementia and Driving: New Tools for the Clinician*. Presentation at Washington University ADRC, St. Louis, MO.
12. **Barco, P. P.** (2015, March). *Assessing Driving and Dementia: Current Evidence and Trends*. Presentation at 29th Annual Geriatrics Conference: Pearls of Geriatric Care, Springfield, MO.
13. **Barco, P. P.** & Dolan, K. (2016, September). *Driving and Pre-Driving Assessment and Intervention. Geriatric Therapy: Addressing the Changes and Challenges of Aging*. Continuing Education Workshop at Barnes Jewish Hospital, St. Louis, MO.
14. **Barco, P. P.** & Dolan, K. (2016, September). *Driving and Pre-Driving Assessment and Intervention. Geriatric Therapy: Addressing the Changes and Challenges of Aging*. Continuing education workshop at Barnes Jewish Hospital, St. Louis, MO.

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15. **Barco, P. P.** & Dolan K. (2017, January). *Driving and Pre-Driving Assessment and Intervention for Stroke*. Presentation at the Rehabilitation Institute of St. Louis, St. Louis, MO.
16. **Barco, P. P.** (2017, March). *Dementia and Driving: Current Evidence and Clinical Relevance*. Continuing Education at Barnes Extended Care, St. Louis, MO.
17. **Barco, P. P.** (2017, May). *Driving (Dementia and Stroke): Application of Pre-Screening Tools*. Continuing Education at Barnes Extended Care, St. Louis, MO.
18. **Barco, P. P.**, Dolan, K. (2017, May) *Driving and Pre-Driving Assessment and Intervention. Geriatric Therapy: Addressing the Changes and Challenges of Aging*. Continuing education workshop at Barnes Jewish Hospital, St. Louis, MO.
19. **Barco, P. P.** (2017, June). *Dementia and Driving: Current Evidence and Clinical Relevance*. Continuing Education at Sherbrook Village, St. Louis, MO.
20. **Barco, P. P.** (2017, July). *Driving (Dementia and Stroke): Application of Pre-Screening Tools*. Continuing Education at Sherbrook Village, St. Louis, MO.
21. **Barco, P. P.** (2017, July). *Dementia and Stroke: Evidenced Based Prescreening Tools for Fitness to Drive*, Presentation at SSM Healthcare, St. Louis, MO.
22. **Barco, P. P.** (2017, June). *Occupational Therapy and the IADL of Driving*. Presentation at Brookdale Senior Living, St. Louis, MO.
23. **Barco, P. P.** (2017, October). *Doherty M. How to Problem Solve Executive Function Deficits after Brain injury*. Brain Injury Association of Missouri 13th Annual Statewide Conference, St. Louis, MO.
24. Campbell, K., Smith, L., Litwiller, L., **Barco, P. P.** (2018, September). *Driving Through the Decades for Older Drivers*. Presentation at Missouri's 2018 Highway Safety and Traffic Blueprint Conference, Columbia, MO.
25. **Barco, P. P.** (2019, April). *Driving and Dementia: Challenges, Evidence, and Trends*. Presentation at Annual Geriatrics Conference, Springfield, MO.
26. Harmon, A. C., Carr, D. B., & **Barco, P. P.** (2019, June). *Balancing Medical Conditions with Driving Safety: Things to Consider*, Columbia, MO.
27. **Barco, P. P.** & Carr, D. B. (2019, November). *Older Adult Drivers: At the Intersection of Public Safety, Autonomy, and Research*. Presentation at the Missouri 2019 Highway Safety and Traffic Blue Print Conference, Columbia, MO.
28. **Barco, P. P.**, McNeel-Moore, S., Blenden, G., Teslow, R., Whitaker, E., Rindner, R., Daws, C., Bishop, E., & Creel, P. (2019). *A Series of Workshops: Knowledge and Application Related to Preparing for Driving Retirement and Utilization of Novel Resources*. American Parkinson Diseases Association St. Louis Chapter, St. Louis, MO.
29. Dennis-Perez, J, Steinberg, C, **Barco, P. P.** (2020, June). *Occupational Therapy's Role in Addressing Functional Cognition in Client's with Covid-19*. American Occupational Therapy Association, National Presentation, Virtual.

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30. Barco, P.P. (2021, June). *Medical Fitness to Drive: The Role of the Occupational Therapist*. Presented to St. Louis SSM Health Day Institute Therapist, St. Louis, Virtual.
31. Barco, P.P. & Blenden, G. (2022, April). *To Drive or Not to Drive- That is the Question*. Midwest Parkinson Congress, St. Louis, MO.
32. Barco, P.P. (2022, April). *Dementia: To Drive or Not to Drive*. St. Louis University Geriatric Grand Rounds, St. Louis, MO.
33. Barco, P.P. (2022, June). *Functional Cognition: Foundations (Part 1 of 2)*. St. Louis in-service to Occupational Therapists (virtual), St. Louis, MO.
34. Barco, P.P, Blenden, G., Castro, A. (2023, June). *Functional Cognitive Assessment: A Crash Course for Occupational Therapists (Part 2 of 2)*. Training presented to SSM Occupational Therapists, Washington University School of Medicine at Program in Occupational Therapy, St. Louis, MO.
35. Barco, P., Corbridge, S., Danielson, R., Fitzpatrick, J. (2022, June). *Panel: Competency-Based Education in the Health Professions: Sharing Perspectives (moderator: H. Carrie Chen)*. 2023 Innovation Summit for Health Professions Education, Creighton University (virtual).
36. Barco, P.P. (2024, March). *Driving and Dementia*. Clinician Partners Program at the Knight ADRC, Washington University School of Medicine in St. Louis.

Online Continuing Education Courses Developed

1. Schold Davis, E. and Barco, P. P. Occupational Therapy Intervention: Driving & Community Mobility Priorities for Older Adults (2021). American Occupational Therapy Association Continuing Education Course. https://myaota.aota.org/shop_aota/product/OL8316
2. Barco, P, Bland, M. D., Lenze, E. J. Enhanced-Medical Rehabilitation (2019). The Academy of Neurologic Physical Therapy. <https://www.anptsynapsecenter.com/public/course-detail/?id=185>
3. **Barco, P. P.**, Bland, M. Enhanced Medical Rehabilitation (2018, December). American Occupational Therapy Association Continuing Education Course. <https://www.aota.org/Education-Careers/Continuing-Education/AOTACE/Online>.
4. **Barco, P. P.** & Gruss, V. (2017) Driving Safety of the Older Adult. University of Illinois Chicago (Engage-IL HRSH Grant), Inter-Professional Geriatrics Training Program ANCC, ACPE, ACCME;; <https://engageil.com/modules/driving-safety-of-the-older-adult/>.
5. **Barco, P. P.**, Dickerson, A. (2017-2019). What You Should Know About OT/Driving Rehabilitation Specialists. *Medscape Education Family Medicine*. CME, ABIM MOC, CE; <https://www.medscape.org/viewarticle/876971>.