



## CURRICULUM VITAE

**Denise Krch, PhD**

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### CURRENT CLINICAL, RESEARCH, AND ACADEMIC POSITIONS

**2020 to present**

**Clinical Neuropsychologist**

**Bilingual Neuropsychological Consulting, LLC**

*Bilingual Neuropsychological Consulting, LLC is a private practice based in New York City, providing case consultation, and forensic (personal injury) and clinical neuropsychological evaluations of English- and Spanish- speaking adults. Populations served include traumatic brain injury (TBI), epilepsy, movement disorders, dementia, functional neurologic disorders, and mental health disorders.*

Conduct comprehensive neuropsychological evaluation, including assessment of cognitive and emotional functioning, clinical interview, collateral interviews, records review, scoring, and report preparation; Consult with attorneys about cases; Provide testimony in legal proceedings; Prepare demonstrative aids.

**2018 to present**

**Senior Research Scientist**

**2011 – 2018**

**Research Scientist**

**Center for Traumatic Brain Injury Research, Kessler Foundation**

*The Kessler Foundation is a non-profit organization dedicated to rehabilitation research for individuals with physical and cognitive disabilities. The Center for Traumatic Brain Injury conducts research in cognition and cognitive rehabilitation in traumatic brain injury (TBI) and other neurologic populations.*

Conduct all aspects of research, including study formulation, grant writing, study management, dissemination of research findings in peer-reviewed journals and at national and international conferences. Carry teaching and mentorship responsibilities. Perform ad-hoc peer-review of manuscripts and serve as grant reviewer/chair for the Department of Defense, Veterans Administration, and the National Institutes of Health. Research broadly focuses on evaluating treatments to improve cognitive skills and quality of life for people with TBI, dementia, or multiple sclerosis (MS) and their caregivers; Experience conducting from smaller pilot and cross-sectional studies to large-scale, multi-site clinical trials; Possess specialized expertise in developing and evaluating virtual reality and technology-based rehabilitation treatments in TBI, stroke, MS, and autism; Possess specialized expertise in cultural neuropsychology, the role of culture in rehabilitation outcomes, and recruitment and retention of ethnic minorities in research.

**2022 to present**

**Research Associate Professor**

**2010 – 2022**

**Research Assistant Professor**

**Department of Physical Medicine and Rehabilitation, Rutgers-New Jersey Medical School**

Teach Study Design to Rutgers Physical Medicine & Rehabilitation (PM&R) Residents for Annual PM&R Research Course; Mentor PM&R residents in carrying out capstone research projects.

### LICENSURE

**2025**

Maine Licensed Psychologist #PS2709

**2009**

New York Licensed Psychologist #018384

### LANGUAGES

English: Native speaking, writing, and reading

Spanish: Advanced proficiency in speaking, writing, and reading

### CERTIFICATIONS

**2025**

New York Identification and Reporting of Child Abuse and Maltreatment

**2008**

New York Child Neglect and Abuse

**2003**

New York Child Abuse and Maltreatment

**EDUCATION**

*September 2008*      Doctorate of Philosophy, Clinical Neuropsychology  
Queens College and the Graduate Center, City University of New York (CUNY) New York, NY

*May 2005*      Master of Philosophy, Clinical Neuropsychology  
Queens College and the Graduate Center, CUNY, New York, NY

*August 1999*      Master of Arts, Psychology, Biopsychology  
Stony Brook University, State University of New York (SUNY), Stony Brook, NY

*May 1997*      Bachelor of Science, Major in Psychology, Minor in Spanish  
Ursinus College, Collegeville, PA

*Fall 1995*      School for International Training, certificate awarded  
Granada, Spain

**FELLOWSHIPS**

**10/2009 – 09/2011      Postdoctoral Fellow in Rehabilitation Research**  
**Neuropsychology and Neuroscience Laboratory, Kessler Foundation, West Orange, NJ**

Supervisors: Nancy Chiaravalloti, PhD, Glenn Wylie, DPhil

*The Kessler Foundation is a non-profit organization dedicated to rehabilitation research for individuals with physical and cognitive disabilities. The Neuropsychology and Neuroscience Laboratory conducts research in cognitive rehabilitation in multiple sclerosis (MS) and traumatic brain injury (TBI) populations.*

Conducted all aspects of research, including study formulation, grant writing, IRB submission, study management, manuscript preparation, presentation of findings at conferences; Research focused on the role of cognitive reserve in TBI, development of culturally appropriate intervention methods to maximize the efficacy of cognitive rehabilitation interventions with Hispanics, and evaluation of the efficacy of cognitive rehabilitation in persons with MS and TBI; Instructor, University of Medicine and Dentistry of New Jersey-New Jersey Medical School; Presented at lab meetings and didactics; Attended weekly lab meetings, biweekly didactics, and bimonthly neurology and neuroradiology rounds.

**07/2008 – 06/2009      Postdoctoral Fellow in Clinical Neuropsychology**  
**Northeast Regional Epilepsy Group, New York, NY**

Supervisors: Kenneth Perrine, PhD, Lorna Myers, PhD., Gonzalo Vazquez-Casals, PhD, Charles Zaroff, PhD, ABPP-CN  
*A hospital-affiliated, private practice network in New York, New Jersey, and Connecticut serving English- and Spanish-speaking adults and children with epilepsy, non-epileptic seizures, dementia, TBI, attention deficit hyperactivity disorder, learning disability, and psychiatric disorders.*

Conducted comprehensive neuropsychological evaluations (Spanish and English), including administration of tests, scoring and interpretation, and report writing; Conducted patient interviews; Provided neuropsychological assessment results feedback to patients; Attended weekly neuroanatomy, neuroradiology, and psychometric didactics, and Patient Medical Conferences; Attended monthly brain cuttings.

**INTERNSHIP**

**07/2007 – 06/2008      Intern**  
**Neuropsychology Service, Jackson Memorial Medical Center, Miami, FL**

Supervisors: Gisela Aguila-Puentes, PsyD, Susan Ireland, PhD, and Stuart Gold, PsyD, PhD

*Jackson is a non-profit, public hospital providing services to English-, Spanish-, and Creole-speaking, underserved Floridians as well as international patients and their families. The Neuropsychology service serves inpatients in the neurological rehabilitation, neurosurgical, and traumatic intensive care units and acute floors, and outpatients of the neurological rehabilitation unit.*

Provided acute neuropsychological evaluations, cognitive retraining, individual psychotherapy, capacity evaluations, relaxation training for pain management, and support and education to patients with a broad array of neurological and neuropsychiatric conditions (e.g., CVA, TBI, multiple trauma, heart and liver transplant, neuromuscular, and neuro-oncology), and their families on the neurological rehabilitation unit; Provided coma assessment and coma stimulation to brain injury patients on neurosurgical and traumatic intensive care units, and support and education to their families;

Conducted comprehensive neuropsychological evaluations, and provided short- and long-term individual, family, and group therapy, and cognitive rehabilitation to outpatients of the Neuropsychology service; Provided diagnostic consultations to other medical and psychiatric units throughout the medical center; Followed patients through recovery process from intensive care to inpatient rehabilitation to outpatient services; Presented at Neuropsychology and Psychology case conferences; Attended psychology, psychiatry, and neurology rounds, ethics and psychopharmacology lectures, neuropsychology and psychology case conferences, and brain cuttings.

### EXTERNSHIPS

**07/2005 – 05/2007**

#### **Extern**

##### **Neuropsychology Services, Northeast Regional Epilepsy Group, New York, NY**

Supervisors: Lorna Myers, PhD, and Gonzalo Vazquez-Casals, PhD

*A hospital-affiliated, private practice network in New York, New Jersey, and Connecticut serving English- and Spanish-speaking adults and children with epilepsy, non-epileptic seizures, dementia, TBI, attention deficit hyperactivity disorder, learning disability, and psychiatric disorders.*

Administered comprehensive neuropsychological evaluations (Spanish and English), including scoring, interpretation and report writing; Assisted with patient interviews and feedback sessions; Received training in administration and interpretation of projective measures.

**09/2004 – 10/2005**

#### **Extern**

##### **Bilingual Treatment Program Clinic, Bellevue Hospital Center, New York, NY**

Supervisors: Yvette Caro, PhD, Michele Muñoz, PhD, Dinelia Rosa, PhD, and Neryeda Brenner, PhD

*An outpatient mental health clinic providing psychiatric, psychological, and psychosocial services to a monolingual, Spanish-speaking, underserved population.*

Provided individual and couples therapy; Co-led geriatric group; Conducted psychiatric intake evaluations for clinic applicants; Conducted all therapy in Spanish; Interacted with bilingual and bicultural peer groups; Participated in clinic meetings and seminars.

**02/2004 – 09/2004**

#### **Extern**

##### **Comprehensive Epilepsy Center, New York University, New York, NY**

Supervisors: William Barr, PhD, ABPP-CN, Chris Morrison, PhD, ABPP-CN and Charles Zaroff, PhD, ABPP-CN

*An inpatient epilepsy monitoring unit, providing multidisciplinary care to adults and children with epilepsy.*

Administered comprehensive neuropsychological evaluations (Spanish and English), including scoring and interpretation, and report writing; Participated in interdisciplinary surgical case conferences, neuropsychology case conferences, Wada testing (intracarotid sodium amobarbital procedure), and grand rounds.

**02/2003 – 08/2003**

#### **Extern**

##### **Traumatic Brain Injury Unit, Burke Rehabilitation Hospital, White Plains, NY**

Supervisor: Livia Caldeira, PhD

*A subacute, inpatient unit providing multidisciplinary care to patients recovering from traumatic brain injury.*

Administered abbreviated neuropsychological evaluations, including scoring and report writing; Co-led cognitive therapy group; Provided single-session individual psychotherapy; Served inpatient TBI, spinal cord, and stroke patients; Participated in neurology rounds, new admission neurological examinations, and grand rounds; Observed other therapies within an interdisciplinary team of psychiatrists, physicians, nurses, social workers, and occupational and physical therapists.

**06/2002 – 08/2002**

#### **Extern**

##### **Division of Geriatric Medicine, Winthrop University Hospital, Mineola, NY**

Supervisor: Nancy Foldi, PhD

*An outpatient office providing medical and neuropsychological services to geriatric patients.*

Administered comprehensive neuropsychological evaluations, including scoring, interpretation and report writing; Conducted differential dementia diagnosis.

**PROFESSIONAL EXPERIENCE****09/1999 – 05/2008****Graduate Assistant and Work Study****Queens College, CUNY, Flushing, NY**

Supervisor: Joan Borod, PhD

Recruited Parkinson's disease patients for participation in ongoing studies; Administered the New York Emotion Battery to research participants with Parkinson's disease; Collaborated with team of students and investigators to devise and implement procedures for a study on voice treatment in Parkinson's disease; Assisted in peer journal reviews; Edited galley proofs and journal articles.

**2001 and 2002, two weeks each****Volunteer****Venezuela Huntington's Disease Collaborative Project, Maracaibo, Venezuela**

Supervisor: Nancy Wexler, PhD

Obtained patients' consent for participation in research, and administered (Spanish) neuropsychological assessments in a field research project conducted by an international interdisciplinary team of researchers.

**08/1999 – 07/2002****Research Assistant and Psychometrician****Comprehensive Epilepsy Center, Columbia University Medical Center, New York, NY**

Supervisor: Marla Hamberger, PhD

Administered and scored comprehensive neuropsychological evaluations; Received training in writing neuropsychological reports; Assisted with conducting intakes for Spanish-speaking patients; Translated for Spanish-speaking patients during Wada test; Assisted in intra-operative cortical language mapping of English- and Spanish-speaking temporal lobe epilepsy patients; Served English- and Spanish-speaking, surgical and nonsurgical epilepsy, memory decline and movement disorder patients; Administered and scored brief neuropsychological evaluations for research trial of Aricept in epilepsy patients; Recruited subjects for participation in language study; Collected pilot data for alternate form of test items in language study; Managed and maintained spreadsheets for language study, neuropsychological, Wada, and language mapping data.

**05/1998 – 07/1999****Research Assistant****Brain Imaging Laboratory, North Shore University Hospital, Manhasset, NY**

Supervisors: David Eidelberg, MD, and Paul Mattis, PhD

Functioned as coordinator for NIH NS RO1 35069 grant: "PET in hyperkinetic movement disorders: a multicenter collaborative study" (Huntington's patients); Administered comprehensive neuropsychological battery to Huntington's disease patients participating in research study; Functionalized PET images using manual Region of Interest Analysis to define amount of radioactivity in region, blood flow, glucose metabolism, and tracer uptake; Received training in PET scan interpretation; Assisted in preparation of NIH Midcareer Investigator Award grant, "The assessment of disease progression in parkinsonism", Principal Investigator, David Eidelberg; Participated in writing of scientific articles and book chapters published through the laboratory.

**12/1994 – 08/1997****Volunteer****Division of Neurology, Cooper University Hospital, Camden, NJ**

Supervisors: Allen J. Rubin, MD, and Kathy Lawler, PhD

Assisted in supervised neuropsychological assessment of mild head injury, dementia, and Huntington's disease patients; Worked as a facilitator in clinical operations of multi-disciplinary clinic for patients with Huntington's disease, TBI, and neurobehavioral conditions; Reviewed charts and abstracted data for purposes of research and database generation; Participated in neurobehavioral tutorial with Huntington's patients; Assisted in exploratory research correlating neuropsychological evaluations with CT scans in mild head injury patients; Assisted in research regarding pharmacological responses of Amantadine in Huntington's disease patients.

**HONORS AND AWARDS**

2022	Research Alumni Award, Kessler Foundation
2005	CUNY Graduate Center University Fellowship
2003	CUNY Graduate Teaching Fellowship
2003	CUNY Graduate Center Tuition Award
2003	Professional Staff Congress / City University of New York Tuition Award

**GRANT FUNDING**Current Funding

12/1/25 – 11/30/27

PI: Strober, L.

Role: Co-Investigator

CSCR26IRG019

NJ Commission on Spinal Cord Injury Research

*Surviving the Loneliness Epidemic: A Proposed Intervention to Reduce Social Isolation and Loneliness Among Persons with Spinal Cord Injury.*

1/1/24 – 12/31/25

PI: Wender, C.

Role: Co-Investigator

Consortium of Multiple Sclerosis

*Effects of a single bout of moderate intensity aerobic cycling exercise combined with virtual reality on processing speed in persons with multiple sclerosis and mobility disability.*

9/1/23 – 8/31/26

PI: Genova, H.

Role: Co-Investigator

90IFDV0032

National Institute on Disability, Independent Living, and Rehabilitation Research

*A strength-based tool to enhance employment for adults on the autism spectrum*

4/1/23 – 3/31/26

PI: Genova, H.

Role: Co-Investigator

CBIR23IRG019

New Jersey Commission on Brain Injury Research

*Using my Strengths: Evaluation of a strength-based intervention in adults with TBI*

9/1/22 – 8/31/27

PI: Lequerica, A.

Role: Co-Investigator

National Institute on Disability, Independent Living, and Rehabilitation Research

*Understanding the social determinants of healthcare access after TBI*

8/9/21 – 8/8/26

PI: **Krch, D.**

Congressionally Directed Medical Research Programs, Department of Defense

*Teaching self-management skills to improve self-efficacy and quality of life for caregiver dyads in TBI and dementia populations*

4/1/21 – 1/31/26

PI: Dobryakova, E.

Role: Co-Investigator

1R01NS121107-01

National Institute of Neurological Disorders and Stroke

*MRI markers of feedback timing during learning in individuals with TBI with and without clinical depression*

1/17/17 – 12/31/26

PI: **Krch, D.**

Kessler Foundation

*Improving learning in Hispanics with TBI, MS, and MCI: a pilot trial in Mexico and Spain*Completed Funding

4/30/20 – 4/29/24

PI: Zanca, J.

Role: Co-Investigator

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Craig H. Neilsen Foundation

*Re-entering life: web-based intervention for spousal caregivers of people with spinal cord injury*

10/1/19 – 9/30/24

PI: Genova, H.

Role: Co-Investigator

IFRE19000186

National Institute on Disability, Independent Living, and Rehabilitation Research

*Using virtual reality to improve job reentry in adults with TBI: an RCT*

6/1/19 – 5/31/24

PI: **Krch, D.**

New Jersey Commission on Brain Injury Research

*Life Reentry to improve fear and grief in partner caregivers of individuals with TBI*

5/24/19 – 12/31/23

PI: **Krch, D.**

Kessler Foundation

*Normative data for neuropsychological tests among the Latin American Spanish-speaking adult population in the US*

PI: Genova, H.                      Role: Co-Investigator  
NJ Governor's Council for Medical Research and Treatment of Autism  
*training tool in adolescents with autism spectrum disorder*

PI: Chen, P.                      Role: Co-Investigator  
National Institute on Disability, Independent Living, and Rehabilitation Research  
*retraining therapy to improve neglect in stroke survivors*

PI: **Kreh, D. &** Nolan, K.  
 Congressionally Directed Medical Research Programs, Department of Defense  
*ost customized virtual reality rehabilitation tool*

PI: Genova, H. Role: Co-Investigator  
MS Collaborative Network of New Jersey  
*using virtual reality: a proof of concept study*

PI: Genova, H.                      Role: Co-Investigator

*r-based job training tool in adolescents with autism*

PI: Genova, H.                      Role: Co-Investigator

*r-based job training tool in adolescents with autism*

PI: **Kreh, D.**  
National Institute on Disability, Independent Living, and Rehabilitation Research  
*Program to improve executive functioning in individuals with TBI*

PI: **Krch, D.**  
New Jersey Commission on Brain Injury Research  
*Quality of life in caregivers of individuals with TBI*

PI: **Krch, D.**  
New Jersey Commission on Brain Injury Research

Conducted statistical analyses; Wrote associated paper and presented results in poster presentation at a conference.

**August 1999****Master's Thesis****Stony Brook University, SUNY, Stony Brook, NY and North Shore University Hospital, Manhasset, NY**

Supervisor: Nancy Squires, PhD

Title: *Cognitive dysfunctions associated with metabolic abnormalities in Parkinson's disease.*

Administered neuropsychological battery; Performed region of interest analysis; Assisted in statistical analysis; Wrote associated paper and presented results to department.

**May 1998****First Year Project****Stony Brook University, SUNY, Stony Brook, NY**

Supervisor: Nancy Squires, PhD

Title: *The development of a memory test of proactive interference.*

Developed a neuropsychological test for assessment of proactive interference and release from proactive interference (RPI); Administered novel RPI test and California Verbal Learning Test to 29 healthy participants; Performed statistical analyses; Wrote associated paper and presented results to department.

**SERVICE ON NATIONAL GRANT REVIEW PANELS, STUDY SECTIONS**Department of Defense (DoD), Congressionally Directed Medical Research Program (CDMRP)

Scientific Reviewer:

- Peer Reviewed Alzheimer's Research Program (PRARP); 2018
- Psychological Health and Traumatic Brain Injury Research Program, (PHTBIRP); 2018, 2022, 2023
- Joint Warfighter Medicine Research Program (JWMP); 2019, 2020
- Multiple Sclerosis Research Program (MSRP); 2021, 2022

Chair:

- Traumatic Brain Injury and Psychological Health (TBIPH); 2023

Department of Veteran Affairs, Office of Research and Development (VA-ORD)

- Scientific Reviewer, SPIRE, 2021; MERIT, 2024

National Institutes of Health (NIH)

- Scientific Reviewer: Biomedical Imaging and Bioengineering; 2013

**SERVICE ON MAJOR COMMITTEES**

2022 – present	Member, Diversity, Equity & Inclusion (DEI) Committee, Northern New Jersey TBI System
2012 – present	Member, Inclusion, Diversity, Equity and Accessibility Special Interest Group (IDEA SIG, formerly Cultural SIG) of the TBI Model Systems
2012 – present	Cultural Competency Specialist, Northern New Jersey TBI System
2012 – 2013	Vice Chair, Health and Medical Working Group, Application Developers Alliance

**SERVICE AS PEER REVIEWER**

2024 – present	<i>Journal of Geriatric Psychiatry and Neurology</i>
2023 – present	<i>Journal of Neuropsychology</i>
2022 – present	<i>Archives of Physical Medicine and Rehabilitation</i>
2021 – present	<i>NeuroRehabilitation</i>
2020 – present	<i>Developmental Neuropsychology</i>
2020 – present	<i>Neuropsychology Review</i>
2020 – present	<i>Rehabilitation Psychology</i>
2017 – present	<i>Neuropsychological Rehabilitation</i>
2015 – present	<i>Archives of Clinical Neuropsychology</i>
2012 – present	<i>Brain Injury</i>
2011 – present	<i>Journal of the International Neuropsychological Society</i>

## MEMBERSHIPS

### Current:

2024 – present	Non-affiliate member, American Academy of Clinical Neuropsychology
2024 – present	Division 22 (Rehabilitation Psychology) of the American Psychological Association (APA)
2009 – present	Hispanic Neuropsychological Society
2000 – present	International Neuropsychological Society
1996 – present	National Academy of Neuropsychology

### Past:

2011 – 2016	Sociedad Latinoamericana de Neuropsicología
2009 – 2016	Division 45 (Society for the Psychological Study of Ethnic Minority Issues) of the APA
2005 – 2012	New York State Psychological Association
2004 – 2016	Division 40 (Neuropsychology) of the APA
2004 – 2016	New York Neuropsychology Group
2000 – 2016	APA

## TEACHING RESPONSIBILITIES

### **2010 – present**

#### **Lecturer**

Rutgers Physical Medicine & Rehabilitation Resident Research Course  
Study Design, lecture given annually

### **2003 - 2005**

#### **Graduate Teaching Fellow**

**Hunter College, CUNY, New York, NY**

Department Chair: Vita Rabinowitz, PhD

Taught: Statistical Methods in Psychology, Introduction to Psychology

### **Fall 1997 to Spring 1998**

#### **Teaching Assistant**

**Stony Brook University, SUNY, Stony Brook, NY**

Department Chair: Harriet Waters, PhD

Taught: Survey in Biopsychology, Research Methodology

## MENTORSHIP AND SUPERVISION OF TRAINEES AND VISITING SCIENTISTS

Postdoctoral Fellows: 2021, 2021-2023

Predocctoral Students: 2015, 2016 (from Mexico)

College Students: 2014, 2016, 2017

Visiting Scientists: 2018 (from Spain)

Dissertation Committees: 2021, 2024

## PUBLICATIONS

### Peer Reviewed Publications in Journals

1. Lequerica, A.H., Bogner, J.A., Juengst, S.B., **Krch, D.**, Pappadis, M.R., Perrin, P.B., Sander, A.M., Whiteneck, G.G. (2025). The Interaction Between Race/Ethnicity and Sex on Societal Participation Among Individuals with Traumatic Brain Injury: A NIDILRR Model Systems Study" *J Head Trauma Rehabil* 2025 May 28. doi: 10.1097/HTR.0000000000001074. Online ahead of print.
2. Wender, C., Perrin, P., **Krch, D.** (2025). Reciprocal causation among chronic pain, physical health, and mental health one-year post-traumatic brain injury: a cross-lagged panel model from the TRACK-TBI study. *J Head Trauma Rehabil*. Feb 7. doi: 10.1097/HTR.0000000000000946. Online ahead of print.
3. Kennedy, E... **Krch, D.**... (2024). Verbal Learning and Memory Deficits across Neurological and Neuropsychiatric Disorders: Insights from an ENIGMA Mega Analysis. *Brain Sci*. June 29; 14(7): 669. doi: 0.3390/brainsci14070669.
4. Genova, H.M., Elsayed, H.E., Haas, M., Parrott, D., **Krch, D.**, Dacanay, M., & Smith, M.J. (2024). A combined interventional approach to train interview skills in autistic transition-age youth. *J Autism Dev Disord*. May 8. doi: 10.1007/s10803-024-06299-1. Online ahead of print.



5. Wender, C., Sandroff, B.M., **Krch, D.** (2024) Cardiorespiratory fitness and working memory in persons with traumatic brain injury: A cross-sectional analysis. *JCEN*. Doi: 10.1080/13803395.2024.2415067.
6. Gahlot, A., **Krch, D.**, Goverover, Y. (2024). Examining leisure re-engagement and its relationship with self-regulation after traumatic brain injury: a cross-sectional study. *OTJR*. 2024 Oct 22 doi: 10.1177/15394492241288134. Online ahead of print.
7. Carrión, C.I., Rivera, D., Forte, A., Olabarrieta-Landa, L., Moreno, O., Ramos Usuga, D., Morel Valdés, G.M., López, M., Rodriguez, M.J., Lequerica, A.H., Drago, C.I., García, P., Rivera, P.M., Perrin, P.B., Arango-Lasprilla, J.C. (2024). Attention and processing speed tests: Normative data for Spanish-speaking adults in the United States. *NeuroRehabilitation* 55: 169-182.
8. Arango-Lasprilla, J.C., Rivera, D. (2024). Newly developed neuropsychological norms for the evaluation of Spanish-speaking adults in the United States. *NeuroRehabilitation* 55: 151-154.
9. Rivera, D., Forte, A., Olabarrieta-Landa, L., Perrin, P.B., Arango-Lasprilla, J.C. *NeuroRehabilitation* 55: 155-167.
10. Olabarrieta-Landa, L., Rivera, D., Xia, B., Moreno, O., Ramos Usuga, D., Morel Valdés, G.M., Rodriguez, M.J., Carrión, C.I., Lequerica, A.H., Drago, C.I., García, P., Rivera, P.M., Perrin, P.B., Arango-Lasprilla, J.C. (2024). Normative data for verbal fluency and naming tests in Spanish-speaking adults in the United States. *NeuroRehabilitation* 55: 195-208.
11. Morel Valdés, G.M., Rivera, D., Olabarrieta-Landa, L., Carrión, C.I., Lequerica, A.H., Iyarit Maltez, F., Rodrigues, M.J., Dini, M.E., Munoz, G., Ramos Usuga, D., Drago, C.I., García, P., Rivera, P.M., Perrin, P.B., Arango-Lasprilla, J.C. (2024). Normative data for tests of visuo-spatial, visuo-constructional skills, and visual memory for Spanish-speaking adults in the United States. *NeuroRehabilitation* 55: 223-233.
12. Ramos Usuga, D., Rivera, D., Xia, B., Carrión, C.I., Morel Valdés, G.M., Moreno, O., Rodriguez, M.J., **Krch, D.**, Wongserbchart, W., P Drago, C.I., García, P., Rivera, P.M., Olabarrieta-Landa, L., Perrin, P.B., Arango-Lasprilla, J.C. (2024). Executive function tests: Normative data for Spanish-speaking adults in the United States. *NeuroRehabilitation* 55: 209-221.
13. Arango-Lasprilla, J.C., Rivera, D., Rodriguez, M.J., Christ, B.R., Moreno, O., Ramos Usuga, D., Olabarrieta-Landa, L., Perrin, P.B., Carrión, C.I., Morel Valdés, G.M., **Krch, D.**, Amaya, A., Drago, C.I., García, P., Rivera, P.M. (2024). WHO-UCLA auditory verbal learning test: Normative data for Spanish-speaking adults in the United States. *NeuroRehabilitation* 55: 183-193.
14. Ramos Usuga, D., Ayeart, L.E., **Krch, D.**, Perrin, P.B., Carrión, C.I., Morel Valdés, G.M., Loro, D., Rodriguez, M.J., Munoz, G., Drago, C.I., García, P., Rivera, P.M., Arango-Lasprilla, J.C. (2024). A preliminary examination of the TOMM2 in a sample of Spanish speakers in the United States. *NeuroRehabilitation* 55: 235-242.
15. **Krch, D.**, Lequerica, A.H., Arango-Lasprilla, J.C., Corrigan, J.D. (2024). Neurobehavioral symptoms in Spanish-speaking individuals with subconcussive injuries. *J Head Trauma Rehabil*. doi: 10.1097/HTR.0000000000000939. Online ahead of print.
16. Wender, C.L.A., Ray, L.N., Sandroff, B.M., **Krch, D.** (2023). Exercise as a behavioral approach to improve mood in persons with traumatic brain injury. *PM R* 16(8): 919-31. doi:10.1002/pmjr.13091. Epub 2023 Dec 21.
17. Kennedy, E., Vadlamani, S., Lindsey, H.M., Lei, P.W... **Krch, D.**... (2023). Bridging big data: procedures for combining non-equivalent cognitive measures from the ENIGMA Consortium. *bioRxiv* [Preprint]. Apr 7:2023.01.16.524331. doi: 10.1101/2023.01.16.524331.
18. Chen, P., Boukrina, O., **Krch, D.** (2022). Visuomotor misalignment induced through immersive virtual reality to improve spatial neglect: a case-series study. *Neurocase*. 28(4): 393-402. doi:10.1080/13554794.2022.2134037.
19. **Krch, D.**, Lequerica, A. (2022). Cognitive Rehabilitation for Spanish-speakers in the United States. *Brain Injury Professional*, 8(3), 24-6.
20. Wender, C. L. A., Sandroff, B. M., & **Krch, D.** (2022). Rationale and methodology for examining the acute effects of aerobic exercise combined with varying degrees of virtual reality immersion on cognition in persons with TBI. *Contemp Clinical Trials: Commun*. 2022 Jul 9;29:100963. doi:10.1016/j.conctc.2022.100963.
21. Rivera, D., Ramos Usuga, D., Fuentes Mendoza, E. M., Aguayo Arelis, A. Rábago Barajas, B. V., Macías Islas, M. Á., **Krch, D.**, Lequerica, A.H., Arango-Lasprilla, J.C. (2022). Validation of the Norma Latina neuropsychological assessment battery in individuals with multiple sclerosis in Mexico. *Mult Scler Relat Disord*. 59: 103685. doi: 10.1016/j.msard.2022.103685. Epub 2022 Feb 12.
22. Chen, P., **Krch, D.** (2022). Immersive virtual reality treatment for spatial neglect: an agile, user-centered development process. *Ann Phys Rehabil Med*. 65(3): 101592 doi: 10.1016/j.rehab.2021.101592. Epub 2021 Nov 15.
23. Wender, C.L.A., Sandroff, B.M., **Krch, D.**, Wylie, G., Cirnigliaro, C., Wecht, J., Chiaravallotti, N.D., DeLuca, J. (2021). The preliminary effects of moderate aerobic training on cognitive function in people with TBI and significant

- memory impairment: A proof-of-concept randomized controlled trial. *Neurocase*. 27(5): 430-5. doi: 10.1080/13554794.2021.1990964. Epub 2021 Oct 27.
24. Lequerica, A.H., Arango-Lasprilla, J.C., & **Krch, D.**, Corrigan, J.D. (2021). Assessing Lifetime Exposure to Traumatic Brain Injury Among an International Sample of Spanish-Speakers. *NeuroRehabilitation*. 48(1): 109-17. doi: 10.3233/NRE-201539
25. Lequerica, A.H., Arango-Lasprilla, J.C., & **Krch, D.** (2022). Factor analysis of the neurobehavioral symptom inventory among a sample of Spanish-speakers. *Neuropsychol Rehabil*. 32(2): 165-78. doi: 10.1080/09602011.2020.1809464. Epub 2020 Aug 31.
26. **Krch, D.**, Lequerica, A., Aguayo, A., Rábago, B., Arango-Lasprilla, J.C. Chiaravalloti, N.D. (2019). Efficacy of the Spanish modified Story Memory Technique in Mexicans with Multiple Sclerosis: A pilot randomized controlled trial. *NeuroRehabilitation*. 45(3): 349-58. doi: 10.3233/NRE-192808.
27. **Krch, D.**, Frank, L., Chiaravalloti, N.D., Vakil, E., DeLuca, J. (2019). Cognitive Reserve Protects Against Memory Decrements Associated with Neuropathology in Traumatic Brain Injury. *J Head Trauma Rehabil*. 2019 34(5): E57-65. doi: 10.1097/HTR.0000000000000472.
28. Lequerica, A., Boticello, A., O'Neill, J., Lengenfelder, J., **Krch, D.**, Chiaravalloti, N.D., Sander, A.M. Bushnik, T., Ketchum, J.J., Hammond, F.M., Dams-O'Connor, K., Felix, E., Johnson-Greene, D. (2019). Relationship Between Hispanic Nativity, Residential Environment, and Productive Activity Among Individuals with TBI: A TBI Model Systems Study. *J Head Trauma Rehabil*. 34(1): E46-54. doi: 10.1097/HTR.0000000000000398.
29. **Krch, D.**, Lequerica, A.H. (2019). The factor structure of the Disability Rating Scale in individuals with traumatic brain injury. *Disabil Rehabil*. 41(1): 98-103. doi: 10.1080/09638288.2017.1378388. Epub 2017 Sep 23.
30. Perrin, P.B., Stevens, L.F., Sutter, M., Lequerica, A.H., **Krch, D.**, Kolakowsky-Hayner, S.A., Arango-Lasprilla, J.D. (2017). Reciprocal Causation between Functional Independence and Mental Health 1 and 2 Years after TBI: A Cross-Lagged Panel Structural Equation Model. *Am J Phys Med Rehabil*. 96(6): 374-80. doi: 10.1097/PHM.0000000000000644.
31. **Krch, D.**, Diaz-Orueta, U., Santana, E., Vasquez, D. (2016). Rehabilitación de la Memoria: Historia, Factores Implicados y Enfoques de Tratamiento. *Revista Neuropsicología, Neuropsiquiatría y Neurociencias*. 16(1), 91-120
32. Lequerica, A., **Krch, D.**, Lengenfelder, J., Chiaravalloti, N.D., Arango-Lasprilla, J.C., Hammond, F.M., O'Neil-Pirozzi, T.M., Perrin, P.B., Sander, A.M. (2015). Comparison of FIM™ Communication Ratings for English Versus Non-English Speakers with TBI in the TBI Model Systems (TBIMS) National Database. *Brain Inj*, 29(12), 1445-51. doi: 10.3109/02699052.2015.1075144 Epub 2015 sep 18.
33. **Krch, D.**, Lequerica, A., Arango-Lasprilla, J.C., Rogers, H.L., DeLuca, J., Chiaravalloti, N.D. (2015). The multidimensional influence of acculturation on Digit Symbol-Coding and Wisconsin Card Sorting Test in Hispanics. *The Clin Neuropsychol*. 29(5): 624-38. doi: 10.1080/13854046.2015.1063696. Epub 2015 Jul 15.
34. Leavitt, V.M., Wylie, G., **Krch, D.**, Chiaravalloti, N., DeLuca, J., Sumowski, J.F. (2014). Does Slowed Processing Speed Account for Executive Deficits in Multiple Sclerosis? Evidence from Neuropsychological Performance and Structural Neuroimaging. *Rehabil Psychol*, 59(4): 422-8. doi: 10.1037/a0037517. Epub 2014 Aug 18.
35. Perrin, P.B., **Krch, D.**, Snipes, D.J., Sutter, M. Arango-Lasprilla, J.C., Kolakowsky-Hayner, S.A. (2014). Racial/Ethnic Disparities in Mental Health over the First Two Years after TBI: A National Multi-Center Study. *Archives of Physical Medicine and Rehabilitation*, 95(12), 2288–2295. doi: 10.1016/j.apmr.2014.07.409
36. Lequerica, A., & **Krch, D.** (2014). Issues of cultural diversity in acquired brain injury (ABI) Rehabilitation. Invited article for special issue of the journal *NeuroRehabilitation*, 34(4), 645-53. doi: 10.3233/NRE-141079
37. **Krch, D.**, Nikelshpur, O., Lavrador, S., Chiaravalloti, N.D., Koenig, S., Rizzo, A. (2013). Pilot results from a virtual reality executive function task. *Proceedings of the International Conference on Virtual Rehabilitation*, Philadelphia, PA.
38. Sumowski, J.F., Chiaravalloti, N., **Krch, D.**, Paxton, J., DeLuca, J. (2013). Education attenuates the negative impact of TBI on cognitive status. *Archives of Physical Medicine and Rehabilitation*, 94(12): 2562-64. doi: 10.1016/j.apmr.2013.07.023. Epub 2013 Aug 6.
39. Koenig, S.T., **Krch, D.**, Chiaravalloti, N., Lengenfelder, J., Nikelshpur, O., Lange, B.S., DeLuca, J. & Rizzo, A.A. (2012). User-centered development of a virtual reality cognitive assessment. *Proceedings of the 9<sup>th</sup> International Conference on Disability, Virtual Reality, and Associated Technologies*. Laval, France.
40. De Los Reyes-Aragón, C., Arango-Lasprilla, J., Perea-Bartolomé, M., Ladera-Fernández, V. **Krch, D.** (2012). The effect of cognitive impairment on self-generation in Hispanics with TBI; *NeuroRehabilitation*, 30(1): 55-64. doi: 10.3233/NRE-2011-0727.

41. Ketchum, J.M., Almaz Getachew, M., **Krch, D.**, Kolakowsky-Hayner, S.A., Baños, J.H., Lequerica, A., Wright, J., Arango-Lasprilla, J.C. (2012). Characteristics associated with satisfaction with life 1 year post traumatic brain injury in a population of Hispanic individuals; *NeuroRehabilitation*, 30(1): 23-33. doi: **10.3233/NRE-2012-0724**.
42. Ketchum, J.M., Almaz Getachew, M., **Krch, D.**, Baños, J.H., Kolakowsky-Hayner, S.A., Lequerica, A., Jamison, L., Arango-Lasprilla, J.C. (2012). Early predictors of employment outcomes 1 year post traumatic brain injury in a population of Hispanic individuals; *NeuroRehabilitation*, 30(1): 13-22. doi: **10.3233/NRE-2011-0723**.
43. Arango-Lasprilla, J.C., **Krch, D.**, Drew, A., De los Reyes Aragon, C.H., Stevens, L. (2012). Health-related quality of life (QOL) of individuals with Traumatic Brain Injury in Barranquilla, Colombia; *Brain Injury*, 26(6): 825-33. doi: 10.3109/02699052.2012.655364.
44. Arango-Lasprilla, J.C., Ketchum, J.M., Lewis, A.N., **Krch, D.**, Gary, K.W., & Dodd, Jr., B.A. (2011). Racial and ethnic disparities in employment outcomes for persons with traumatic brain injury: a longitudinal investigation 1-5 years after injury; *Physical Medicine and Rehabilitation*, 3(12): 1083-91. doi: 10.1016/j.pmrj.2011.05.023. Epub 2011 Aug 26.
45. **Krch, D.**, Sumowski, J.F., DeLuca, J., Chiaravalloti, N. (2011). Subjective memory in multiple sclerosis is associated with initial-trial learning performance; *J Int Neuropsychol Soc.* 17(3): 557-561. doi: 10.1017/S1355617711000336.
46. Wexler, N.S. Lorimer, J., Porter, J. Gomez, F., Moskowitz, C...**Krch, D.**... U.S.-Venezuela Collaborative Research Project. (2004). Venezuelan kindred reveal that genetic and environmental factors modulate Huntington's disease age of onset. *Proc Natl Acad Sci USA.* 101(10): 3498-503. doi: 10.1073/pnas.0308679101. Epub 2004 Mar 1.

#### Books, Monographs and Chapters

1. Krch, D., Grajales, S., & Esteban González, A.I. (2024). Neuropsicología de los procesos de aprendizaje y memoria. In Arango-Lasprilla, J.C., Rodríguez Irizarry, W., Olivera Rentas, R., & Romero García, I. (Eds), *Manual para la Práctica de la Neuropsicología*. Manual Moderno.
2. Bono, A.D., Twaite, J.T., **Krch, D.**, McCabe, D., Scorpio, K.A., Stafford, R.J., & Borod, J.C. (2021). Mood and emotional disorders associated with parkinsonism, Huntington's Disease, and other movement disorders. In Heilman, K.M & Nadeau, SE (Eds), *Handbook of Clinical Neurology: Emotional Disorders Associated with Neurological Diseases*. doi: 10.1016/B978-0-12-822290-4.00015-3.
3. Koenig, S.T., **Krch, D.**, Lange, B.S., Rizzo, A.A. (2019). Virtual Reality Rehabilitation. In L.A. Brenner, S.A. Reid-Arndt, T.R. Elliott, R.G. Frank, & B. Caplan (Eds.), *Handbook of Rehabilitation Psychology* (Third ed.).
4. Lavrador, S., & **Krch, D.** (2013). Improving Outcomes for Minorities with Disabilities: The Role of Culture in Rehabilitation. In P. Wehman & K. Williams Gary (Eds.), *Race, Ethnicity, and Disability: Modern Advancement and Future Endeavors in the Field*. Richmond, VA: Virginia Commonwealth University.
5. Nakamura, T., Edwards, C., **Krch, D.**, Mentis, M., & Eidelberg, D. (2000). Functional imaging of the basal ganglia; In: A. M. Lozano (Ed.), *Movement disorder surgery, Vol 15. Progress in neurological surgery*; pp. 351-370; S. Karger A.G., Basel, Switzerland.

#### Other Publications

1. **Krch, D.**; Tower of London; In: *Encyclopedia of Clinical Neuropsychology*, Part 20; Kreutzer, J.S., DeLuca, J., & Caplan, B. (Eds.); pp.2530-2, Springer, New York, NY; 2017.
2. **Krch, D.**; Cognitive processing; In: *Encyclopedia of Clinical Neuropsychology*, Part 3; Kreutzer, J.S., DeLuca, J., & Caplan, B. (Eds.); p.627, Springer, New York, NY; 2017.
3. **Krch, D.**; Frontal lobe syndrome; In: *Encyclopedia of Clinical Neuropsychology*, Part 5; Kreutzer, J.S., DeLuca, J., & Caplan, B. (Eds.); pp. 1084-7, Springer, New York, NY; 2017.
4. **Krch, D.**; Mesial frontal system; In: *Encyclopedia of Clinical Neuropsychology*, Part 13; Kreutzer, J.S., DeLuca, J., & Caplan, B. (Eds.); p.1576, Springer, New York, NY; 2017.
5. **Krch, D.**; Orbitofrontal system; In: *Encyclopedia of Clinical Neuropsychology*, Part 15; Kreutzer, J.S., DeLuca, J., & Caplan, B. (Eds.); p.1824-5, Springer, New York, NY; 2017.

#### **INVITED LECTURES**

1. **Krch, D.** (June, 2022). Tecnología en Rehabilitación Cognitiva. Invited speaker for Congreso Internacional de Neurorehabilitación del Daño Cerebral virtual conference.
2. **Krch, D.** (January, 2021). La Realidad Virtual en la Rehabilitación. Webinar presented to the Neuropsychology Learning international neuropsychology community.

3. **Krch, D.** (March, 2019). Cognitive rehabilitation of memory disorders in neurologic populations. Invited speaker for Department of Neurosciences Grand Rounds, New York-Presbyterian Brooklyn Methodist Hospital, Brooklyn, NY.
4. **Krch, D.**, (April, 2018). Cognitive rehabilitation of memory disorders in neurologic populations. Invited speaker at the Second Iberoamerican Congress of Neuropsychology, Almeria, Spain.
5. **Krch, D.**, Chen, P. (November, 2017). Caring for the brain injury caregiver. Webinar presented to the Brain Injury Association of America.
6. **Krch, D.** (November, 2017). Invited panelist in From Research to (Virtual) Reality: Uses for AR/VR/MR in Education, Institutions and Enterprise, 22<sup>nd</sup> Annual Government Video Expo, Washington, D.C.
7. **Krch, D.** (May, 2017). Using VR in Rehab. Panel presentation for Shades of Reality: Virtual, augmented & mixed reality in healthcare. Hosted by Health 2.0 NYC - The New York Healthcare Innovation Group. New York, NY.
8. **Krch, D.** (September, 2013). The role of culture in TBI rehabilitation. Lecture presented at the North American Brain Injury Society Annual Meeting, New Orleans, LA.
9. **Krch, D.** (October, 2012). Cultural competency in research. Webinar presented at the TBI Model Systems Data Collectors Meeting.
10. **Krch, D.** (April, 2012). Culturally competent staff as a strategy for recruitment and retention of minority participants in research. Webinar presented at the Joint Meeting of the Interagency Subcommittee on Medical Rehabilitation and the Interagency Subcommittee on Health Disparities.
11. **Krch, D.** (March, 2012). Culturally sensitive interventions in TBI rehabilitation. Lecture presented at the Race, Ethnicity, and Disabilities: State of the Science Conference, Arlington, VA.
12. **Krch, D.** (March, 2012). Training culturally competent staff: a strategy for recruitment and retention of minority participants in research. Lecture presented at the Race, Ethnicity, and Disabilities: State of the Science Conference, Arlington, VA.
13. **Krch, D.** Huntington's disease: clinical considerations. Lecture presented at the 30<sup>th</sup> Annual Fall Fling Conference of the Philadelphia Chapter of the American Association of Neuroscience Nurses, Philadelphia, PA, November, 2006.

## PAPER AND SYMPOSIA PRESENTATIONS

1. Wender, C. L. A., Weber, E., & **Krch, D.** (February, 2025). Relative Causal Preponderance of Co-Occurring Pain and Traumatic Brain Injury on Cognition Up to One Year Post-Injury. Paper presented at the annual meeting of the International Neuropsychological Society Annual Conference, New Orleans, LA.
2. Chen, P., Bourkrina, O., **Krch, D.** (September, 2023). Misaligning virtual and actual arm movements to induce improved attention and spatial processing toward the neglected side of space. Symposium, Scientific Meeting of the Federal of the European Societies of Neuropsychology. Thessaloniki, Greece.
3. Chen, P., **Krch, D.** (November, 2021). Agile Development of Virtual Reality Treatment for Spatial Neglect: Preliminary Usability and Feasibility. Paper presented at the National Academy of Neuropsychology 41<sup>st</sup> Annual Conference, Virtual.
4. **Krch, D.**, Frank, L., Chiaravalloti, N.D., Vakil, E., DeLuca, J. (February, 2019). Cognitive reserve protects against memory decrements associated with neuropathology in TBI. Paper presented at the annual meeting of the International Neuropsychological Society, New York, NY.
5. **Krch, D.**, Gagliano, A., Chen, P., & Chiaravalloti, N.D. (October, 2018). A Support-Based Caregiver Treatment Differentially Impacts Outcomes in Spouses and Parents: A Pilot Study. Paper presented at the American Congress of Rehabilitation Medicine, Dallas, TX.
6. **Krch, D.**, (June, 2018). New techniques in treating cognitive deficits following TBI. In Chiaravalloti, S., New developments in treating common symptoms following TBI. Symposium conducted at the 4th Federal Interagency Conference on TBI, Washington, D.C.
7. **Krch, D.** (October, 2017). Examining the efficacy of the Spanish modified Story Memory Technique in Multiple Sclerosis. Paper presented at the National Academy of Neuropsychology 37<sup>th</sup> Annual Conference, Boston, MA.
8. **Krch, D.** (August, 2017). Training higher level attentional skills in a functionally relevant virtual office environment. In Raskin, S., Ecological assessments and advancing age: Real world solutions to everyday problems. Symposium conducted at the annual meeting of the American Psychological Association, Washington, D.C.
9. **Krch, D.** (April, 2016). Cognitive reserve and cognitive leisure differentially protect against cognitive decline in TBI. Paper presented at the International Brain Injury Association's Eleventh World Congress on Brain Injury, The Hague, Netherlands.
10. **Krch, D.** (February, 2016). The sagittal stratum as a candidate biomarker for degree of neuropathology after chronic TBI. Paper presented at the annual meeting of the International Neuropsychological Society, Boston, M.A.

11. **Krch, D.** (October, 2015). Caring for the TBI Caregiver. In Goverover, Y., Beyond the Boundaries of Traditional Rehabilitation: Addressing Emotional Processing, Everyday Living, and Caregiver Burden. Symposium conducted at the annual meeting of the American Congress of Rehabilitation Medicine, Dallas, TX.
12. **Krch, D.** (October, 2014). Treating executive function impairments using virtual reality. In Goverover, Y., Innovative assessments and treatments in cognitive rehabilitation. Symposium conducted at the annual meeting of the American Congress of Rehabilitation Medicine, Toronto, B.C.
13. **Krch, D.,** Nikelshpur, O., Lavrador, S., Chiaravalloti, N.D., Koenig, S., Rizzo, A. (August, 2013). Pilot results from a virtual reality executive function task. Proceedings of the International Conference on Virtual Rehabilitation, Philadelphia, PA.
14. **Krch, D.** (October, 2012). Cultural adaptation of Cognitive Rehabilitation Paradigms. In Goverover, Y., Strategy Use in Cognitive Rehabilitation. Symposium conducted at the annual meeting of the American Congress of Rehabilitation Medicine, Vancouver, B.C.
15. **Krch, D.** (August, 2011). Consideration of Cultural Factors in Cognitive Rehabilitation. In Chiaravalloti, N., Assessing the Efficacy of Cognitive Rehabilitation: Factors for Consideration. Symposium conducted at the annual meeting of the American Psychological Association, Washington, D.C.
16. **Krch, D.** (July, 2011). The Role of Cognitive Reserve in TBI. Paper presented at the Federal Interagency Conference on Traumatic Brain Injury, Washington, D.C.
17. **Krch, D.,** Sumowski, J., Lengenfelder, J., Wylie, G., Voelbel, G., Genova, H., & Chiaravalloti, N. (February, 2011). Predictors of Cognitive Function in Traumatic Brain Injury. Paper presented at the annual meeting of the International Neuropsychological Society, Boston, M.A.
18. **Krch, D., & Helfand, D.** (Spring, 1997). Perception of gender and ethnicity through gait. Paper presented at Centennial Conference Student Research Colloquium, Collegeville, PA.
19. **Krch, D., & Chambliss, C.** (Spring, 1996). Self reported eating disorder symptoms: a comparison between Spanish and American college students. Paper presented at University of Scranton Psychology Conference, Scranton, PA.
20. Helfand, D., **Krch, D., & Nonnemacher, J.** (Spring, 1995). Apathy, locus of control, and self-esteem in college students. Paper presented at Lehigh Valley Psychology Conference, Scranton, PA.

## POSTER PRESENTATIONS

1. Wender, C. L. A., Weber, E., & **Krch, D.** (February, 2025). Relative Causal Preponderance of Co-Occurring Pain and Traumatic Brain Injury on Cognition Up to One Year Post-Injury. Paper presented at the annual meeting of the International Neuropsychological Society Annual Conference, New Orleans, LA.
2. Zanca, J.M., Leonte, A., Spielman, L., **Krch, D.,** Smith, A., Dyson-Hudson, T. (October, 2024). Life Reentry: web-based intervention for partner caregivers of people with spinal cord injury. *American Congress of Rehabilitation Medicine*. Dallas, TX.
3. **Krch, D.,** Spielman, L., Parrott, D., Mutchler, B., Chiaravalloti, N., Zanca, J., Lengenfelder, J., Dobryakova, E., Rasmussen, C. (February, 2024). Loneliness and depression improve after a grief-based treatment in TBI partner caregivers. Poster presented at the International Neuropsychological Society Meeting, New York, NY.
4. Garcia, P., Neumann, D., Parrott, D., **Krch, D.,** Lequerica, A., Morel, G., Polsinelli, A., Ralston, R. (October, 2023). Culturally adapted or validated non-pharmacological interventions for Hispanic patients recovering from a brain injury and their caregivers: a systematic literature review. Poster presented at the Indiana University Health Equity Advancing through Learning health system Research (HEAL-R) Collaborative, Indianapolis, IA.
5. **Krch, D.,** Lequerica, A., Arango-Lasprilla, J. C. Corrigan, J.D. (October, 2023). Elevated neurobehavioral symptoms detected in greater lifetime subconcussive exposure frequency in Spanish-speakers. Poster presented at the Hispanic Neuropsychological Society/ National Academy of Neuropsychology Annual Conference. Philadelphia, PA.
6. Wender, C.L.A., Sandroff, B.M., **Krch, D.** (June, 2023). Association of cardiorespiratory fitness and cognitive function in persons with TBI. Poster presented at the American College of Sports Medicine Annual Meeting & World Congress. Denver, CO.
7. Gahlot, A., **Krch, D.,** Goverover, Y. (April 2023) Impact of Self-Regulation on Leisure Reengagement After TBI. Poster presented at the American Occupational Therapy Association, Inc. (AOTA) conference, Kansas City, MO.
8. Weber, E., Yi, N., **Krch, D.,** Chiaravalloti, N. (February, 2023). Longer Prospective Memory Delays Independently Predict Severity of Functional Decline in TBI. Poster presented at the International Neuropsychological Society North American Meeting. San Diego, CA.

9. **Krch, D.**, Lequerica, A., Arango-Lasprilla, J.C., & Corrigan, J.D. (July, 2022). Elevated neurobehavioral symptoms detected in subconcussive injuries in Spanish-speakers. Poster presented at the International Neuropsychological Society 2022 Meeting, Barcelona, Spain.
10. **Krch, D.**, Frank, L., Weber, E. (November, 2021). PPVT impacted by neuropathology in moderate to severe TBI. Poster presented at the National Academy of Neuropsychology 41<sup>st</sup> Annual Conference, Virtual.
11. Wender, C.L.A., **Krch, D.**, Sandroff, B.M. (September, 2021). The preliminary effects of aerobic cycling training on cognitive function in people with TBI and memory impairment: a proof-of-concept randomized controlled trial. Poster presented at the American Congress of Rehabilitation Medicine Annual Conference, Virtual.
12. Lequerica, A., Strober, L., Weber, E., **Krch, D.**, Genova, H., Costa, S.L., Lengenfelder, J., Goverover, Y., Chiaravalloti, N. (September, 2021). Psychometric properties of a COVID-19 Impact Scale among a sample of individuals with disabilities. Poster presented at the American Congress of Rehabilitation Medicine Annual Conference, Virtual.
13. Chen, P., Shekhtman, G., Esposito, E., Suero, L., **Krch, D.** (October, 2020). Virtual reality-based treatment for spatial neglect: a pilot study for usability. Poster presented at the 11<sup>th</sup> World Congress for Neurorehabilitation, Lyon, France.
14. Genova, H.M., DiBenedetto, M., Smith, M., **Krch, D.**, Morecraft, J., Lancaster, K., DeLuca, J.D. (May, 2020) Examining the use of a Virtual Reality Job Interview Tool in Adolescents with Autism in a School Setting: a Randomized Controlled Trial. ePOSTER presented at the annual meeting of the International Society for Autism Research, Washington, DC.
15. Genova, H.M., DiBenedetto, M., **Krch, D.**, Morecraft, J., Lancaster, K., DeLuca, J. (February, 2020). Effectiveness of a Virtual Reality Job Interview Tool in Adolescents with Autism in a School Setting. Poster presented at the annual meeting of the International Neuropsychological Society, Denver, CO.
16. **Krch, D.**, Weber, E., Koenig, S. (February, 2020). Using Virtual Reality to Train Complex Attention after TBI: A Pilot Study of Feasibility and Tolerability. Poster presented at the annual meeting of the International Neuropsychological Society, Denver, CO.
17. Lequerica, A.H., **Krch, D.**, & Arango-Lasprilla, J.C. (November, 2019). Treatment in a Hospital Setting After TBI Among Individuals from Spain and Latin America. Poster presented at the American Congress of Rehabilitation Medicine Annual Conference, Chicago, IL.
18. **Krch, D.**, Frank, L., (April, 2017). Gender Differences in Neurobehavioral Functioning in Chronic TBI. Poster presented at the World Congress of the International Brain Injury Association, New Orleans, LA.
19. **Krch, D.**, Ward, I., Lange, B., Kesten, A.G., Cording, C.M., Frank, L.E., Mejia, M., Chervin, K., König, S., Chang, C-Y., Rizzo, A., Jasey, N.J., Nolan, K.J. (October, 2016). A Systematic Delivery for Multisensory Balance Impairment using Virtual Reality in TBI. Poster presented at the annual meeting of the American Congress of Rehabilitation Medicine, Chicago, IL.
20. Lequerica, A., **Krch, D.**, Chiaravalloti, N. (June, 2016) Factor Analysis of the Disability Rating Scale in Individuals with Traumatic Brain Injury. Poster presented at the Bilbao 1<sup>st</sup> Iberoamerican Congress, Bilbao, Spain.
21. Lequerica, A., Ward, C., **Krch, D.**, Chiaravalloti, N.D. (October, 2014). Effect of Bladder Dysfunction on Disability and Community Participation in Individuals with Traumatic Brain Injury (TBI). Poster presented at the annual meeting of the American Congress of Rehabilitation Medicine, Dallas, TX.
22. **Krch, D.**, Vasquez, D., Koenig, S., Rizzo, A., Chiaravalloti, N.D. (March, 2014). Initial evaluation of a virtual reality executive function assessment tool in individuals with traumatic brain injury. Poster presented at the annual meeting of the International Brain Injury Association, San Francisco, CA.
23. Perrin, P. B., **Krch, D.**, Sutter, M., Snipes, D. J., Arango-Lasprilla, J. C., Kolakowsky-Hayner, S. A., Wright, J., & Lequerica, A. (March, 2014). Racial/ethnic disparities in mental health over the first two years after traumatic brain injury: A NIDRR model systems study. Poster presented at the annual meeting of the International Brain Injury Association, San Francisco, CA.
24. **Krch, D.**, Chiaravalloti, N.D., DeLuca, J., Sumowski, J.F. (February, 2013). Cognitive Reserve Protects Against Memory Dysfunction in TBI. Poster presented at the annual meeting of the International Neuropsychological Society, Waikoloa, HI.
25. Lequerica, A., **Krch, D.**, Lavrador, S., Chiaravalloti, N., (August, 2012). Demographic Factors Associated with Rehabilitation Progress After Traumatic Brain Injury. Poster presented at the annual meeting of the American Psychological Association, Orlando, FL.
26. Ford-Johnson, L., Lengenfelder, J., **Krch, D.**, Slome, M., Smith, A., Chiaravalloti, N.D., DeLuca, J. (August, 2012). Examination of cognitive and behavioral symptoms of executive dysfunction in TBI. Poster presented at the annual meeting of the American Psychological Association, Orlando, FL.



27. **Krch, D.**, Chiaravalloti, N. (March, 2012). The Influence of Processing Speed on Other Functions in Traumatic Brain Injury. Poster presented at the World Congress of the International Brain Injury Association, Edinburgh, Scotland.
28. Ketchum, J.M., Almaz Getachew, M., **Krch, D.**, Kolakowsky-Hayner, S.A., Baños, J.H., Lequerica, A., Wright, J., Arango-Lasprilla, J.C. (March, 2012). Characteristics associated with satisfaction with life 1 year post traumatic brain injury in a population of Hispanic individuals. Poster presented at the World Congress of the International Brain Injury Association, Edinburgh, Scotland.
29. Ketchum, J.M., Almaz Getachew, M., **Krch, D.**, Baños, J.H., Kolakowsky-Hayner, S.A., Lequerica, A., Jamison, L., Arango-Lasprilla, J.C. (March, 2012). Early predictors of employment outcomes 1 year post traumatic brain injury in a population of Hispanic individuals. Poster presented at the World Congress of the International Brain Injury Association, Edinburgh, Scotland.
30. De Los Reyes-Aragón, C., Arango-Lasprilla, J., Perea-Bartolomé, M., Ladera-Fernández, V. **Krch, D.** (March, 2012). The effect of cognitive impairment on self-generation in Hispanics with TBI. Poster presented at the World Congress of the International Brain Injury Association, Edinburgh, Scotland.
31. **Krch, D.**, Chiaravalloti, N. (February, 2012). Subjective Memory in TBI is Associated with Psychosocial Factors Rather than Objective Memory Performance. Poster presented at the annual meeting of the International Neuropsychological Society, Montreal, Canada.
32. **Krch, D.** Chiaravalloti, N. (November, 2011). La influencia de disfunciones conductuales asociados a las alteraciones de los sistemas frontales cerebrales en el funcionamiento cognitivo y emocional en individuos con traumatismo craneoencefálico. Poster presented at the 12<sup>th</sup> Annual Congress of the Sociedad de Latinoamericana de Neuropsicología, Santiago, Chile.
33. **Krch, D.**, Sumowski, J., DeLuca, J., Chiaravalloti, N. (August, 2010). Clinical Utility of Subjective Memory Assessment in Multiple Sclerosis. Poster presented at the annual meeting of the American Psychological Association, San Diego, CA.
34. Borod, J.C., **Krch, D.**, Myers, T., Teague, E. (February, 2010). Effects of demographic factors on the emotion perception tasks from the New York Emotion Battery. Poster presented at the Annual Meeting of the International Neuropsychological Society, Cancun, Mexico.
35. Borod, J.C., Halfacre, M., Rogers, K., Spielman, J.L., **Krch, D.**, Brickman, A.M., Gruber, C., McCabe, D., & Ramig, L.O. (February, 2007). Aspects of facial emotion expression in Parkinson's disease and healthy control participants: gender, valence, and methodological innovations. Poster presented at the Annual Meeting of the International Neuropsychological Society, Portland, OR.
36. Halfacre, M.M., Borod, J.C., Pick, L.H., **Krch, D.**, & Gruber, C. (February, 2006). Emotional and nonemotional lexical emotional expression in Parkinson's disease. Poster presented at the Annual Meeting of the International Neuropsychological Society, Boston, MA.
37. **Krch, D.** & Borod, J.C. (February, 2004). Perception of emotion: a preliminary comparison of Parkinson's disease and healthy subjects. Poster presented at the Annual Meeting of the International Neuropsychological Society, Baltimore, MD.
38. Mentis, M.J., Edwards, C., **Krch, D.**, et al. (April, 1999). Metabolic abnormalities associated with cognitive dysfunction in Parkinson's disease. Poster presented at American Academy of Neurology 51<sup>st</sup> Annual Meeting, Toronto.

## MEDIA

1. Chiaravalloti, N.D., **Krch, D.** (2020). Caregiving for persons with traumatic brain injury while sheltering in place for COVID-19. [Audio podcast]. Retrieved from: <https://soundcloud.com/kesslerfoundation/sets/denise-krch>
2. **Krch, D.** (2018, September 11). Multiple Sclerosis Round Table [Audio podcast]. Retrieved from <https://soundcloud.com/kesslerfoundation/07aug18-multiple-sclerosis-roundtable>.
3. Larkin, M. (2017). Exploring virtual environments for cognitive and physical rehabilitation. *The Journal on Active Aging*, 16(5): 44-51.
4. Dreier, T. (2017). Virtual Reality, Real Medicine: Treating Brain Injuries with VR. *Streaming Media Magazine*. September.
5. Chiaravalloti, N.D., Wylie, G., **Krch, D.**, (2016, February 2). Radio interview with Joyce Bender. Retrieved from <https://www.benderconsult.com/disability-matters/joyce-welcomes-nancy-d-chiaravalloti-phd-glenn-wylie-and-denise-krch-phd/637>.
6. **Krch, D.** (2016, February 1). Development of a virtual-based cognitive rehabilitation treatment [Audio podcast]. Retrieved from <https://soundcloud.com/kesslerfoundation/01feb16-rss-krch-denise-final>.