

CURRICULUM VITAE

David Lee Nyenhuis, Ph.D., ABPP-Cn

Department of Neurology and Rehabilitation
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EDUCATION

1982 Calvin College, Grand Rapids, Michigan
B.A., Psychology (with honors), 1982

1988 Wayne State University, Detroit Michigan
M.A., Clinical Psychology
Ph.D., Clinical Psychology

Dissertation: "Differential Lateralized Processing of Visual Sine Wave Gratings in the Determination of Figure and Ground"
Dissertation Chair: R. Douglas Whitman, PhD

PREDOCTORAL INTERNSHIP

1987 - 1988 Boston Veteran's Affairs Medical Center (APA Accredited)
Specialty Area: Clinical Neuropsychology
Primary Supervisor: Roberta White, PhD, ABPP/ABCN

POSTGRADUATE TRAINING

1988 - 1989 Boston University, Department of Neurology
Postdoctoral Fellowship, Neuropsychology
Primary Supervisors: Roberta White, PhD, ABPP/ABCN; Mark Moss, PhD

ACADEMIC APPOINTMENTS

1989 - 2003 Assistant Professor
Department of Psychology and Department of Neurological Sciences
Rush-Presbyterian-St. Luke's Medical Center, Chicago, Illinois

2003 -2004 Associate Professor
Department of Psychology and Department of Neurological Sciences
Rush University Medical Center, Chicago, Illinois

2004 - present Associate Professor
Director of Clinical Research
Department of Neurology and Rehabilitation
College of Medicine
University of Illinois at Chicago

CLINICAL APPOINTMENTS

1989 - 2003 Assistant Scientist
Adjunct Medical Staff
Rush-Presbyterian-St. Luke's Medical Center

1999 - 2003 Co-Director (with Christopher Grote, PhD), Neuropsychology Service
Psychology Department
Rush-Presbyterian-St. Luke's Medical Center

2003 Associate Scientist
Adjunct Medical Staff
Rush University Medical Center

2004 - present Adjunct Medical Staff
Director of Neuropsychology
Department of Neurology and Rehabilitation
College of Medicine
University of Illinois at Chicago

SCIENTIFIC AND SCHOLARLY ACTIVITIES

1996 - present Work Sample Reviewer, American Board of Clinical Neuropsychology

1997 Ad Hoc Study Section Reviewer, Epidemiology and Disease Control - 2, Center For
Scientific Review, National Institutes of Health

1997 - 2001 Editorial Board, *Neuroepidemiology*

1997 - present Invited Manuscript reviewer:
Aging, Neuropsychology and Cognition
American Journal of Nephrology
Annals of Neurology
Archives of Neurology
The Clinical Neuropsychologist
European Journal of Neurology
Journal of Experimental and Clinical Neuropsychology
Journal of Heart and Lung Transplantation
Journal of the American Geriatric Society

Journal of the International Neuropsychological Society
Journal of Stroke and Cardiovascular Disease
The Lancet Neurology
Movement Disorders
Neuroepidemiology
Neurology

- 1998 - present Grant Reviewer, Alzheimer's Disease Association
- 1999 - 2001 Study Section Reviewer, Small Business Innovation Research (SBIR), Center For Scientific Review, National Institutes of Health
- 2003 – present United Parkinson's Disease Rating Scale (UPDRS) Revision Task Force Member: Clinimetric Testing Subcommittee
- 2004 Internal Reviewer, Vascular Health and Dementia Study Section, Heart and Stroke Foundation of Canada
- 2004 Associate Editor, *Journal of Mental Health and Aging*
- 2005 Neuropsychology Co-Chair (with Sandra Black, MD), NIH/NINDS-Sponsored Vascular Cognitive Impairment (VCI) Harmonization Criteria Workshop, Washington DC, April 24 – 26, 2005.
- 2005 Study Section Reviewer, NIH/NINDS Special Emphasis Panel (ZNS1 SRB P 33): Domain Specific Tasks of Executive Function.
- 2006 - Program Committee Member, Category Chair: Vascular Cognitive Impairment, International Stroke Conference, American Heart Association
- 2006 Study Section Reviewer, NIH/NIA Clinical Aging Review Committee

MEMBERSHIPS IN PROFESSIONAL SOCIETIES

Member, International Neuropsychological Society
Member, Midwest Neuropsychology Group
Founding Member, The International Society for Vascular Behavioral and Cognitive Disorders (VasCog)

TEACHING, MENTORING AND SUPERVISING

1989 to 2003 Neuropsychology intern supervisor, APA accredited clinical psychology internship, Rush-Presbyterian-St. Luke's Medical Center, Chicago, Illinois

Listing of Predoctoral Interns by Year and Current Employer

1989 Richard Whitten, PhD, ABPP-Cn	Private Practice
1989 Theresa Elliott, PhD	Pacific University
1990 Scot Purdon, PhD	Alberta Hospital
1990 Daryl Millman, PhD	Private Practice
1991 Cynthia Kubu, PhD, ABPP-Cn	Cleveland Clinic
1991 Rebecca Goodman, PhD	Private Practice
1992 Tammy Scot, PhD	New England Medical Center
1992 Jeremy Alden, PhD	St. Paul Children's Hospital
1993 Eric Larson, PhD, ABPP-Cn	Rehabilitation Institute of Chicago
1993 Linda Bernardin, PhD	Agnesian Health Clinic
1994 Kim Wands, PhD	Lincoln Psychiatric Center
1994 Kari Lindeman, PhD	Private Practice
1995 Brian Betz, PhD	University Southern Cal. Med
1995 Davida Zelinski, PhD	University of Minnesota Med
1996 Daniel Slick, PhD	Private Practice
1996 Martha Glisky, PhD	Private Practice
1997 Evan Drake, PhD	Mt. Carmel Behavioral Health
1997 Derek Campbell, PhD	Iowa Methodist Med Center
1998 Clifford Smith, PhD	Rush University Medical Center
1998 Michelle Mattingly, PhD	University of Kentucky Med
1999 Mark Mapstone, PhD	University of Rochester Med
1999 Amity Ruth, PhD	Loyola University Med Center
2000 Rebecca Bone, PhD	Rush University Medical Center
2000 Kristine Lokken, PhD	University of Alabama Psychol
2001 Sare Akdag, MA	Boston Children's Hosp
2001 Beth Keys, PhD	Mayo Clinic, Rochester
2002 Mia Weber, PhD	University of Rochester
2002 Allison Keuning, PhD	Univ of Calif, Los Angeles
2003 Nathaniel Nelson, PhD	University of Minnesota
2003 Thomas Parsons, PhD	Univ North Carolina, Chapel Hill

1997 to present Undergraduate externship supervisor

Listing of Mentored Undergraduates by Year and Current Graduate Program

1997 Monica Lewis	PhD, Clinical Psychology, Univ of Georgia
1998 Christina Wierenga	PhD, Clinical Psychology, Univ of Florida
1999 Elizabeth Scherpenisse	PhD, Clinical Psychology, Univ of Tennessee
2000 Cory Hugen	MD, Loyola University
2001 Carissa Hockema	PhD, Nutrition, University of Washington
2002 Shira Kurtz	PhD, Clin Psych, Fairleigh Dickinson Univ
2002 Emily Geenen	PhD, Clinical Psychology, Wayne State Univ
2003 Julie Stortenboom	PhD, Clinical Psychology, Wayne State Univ

- 2003 Chairman, Thesis Committee: Eugenia Gencheva, MD
 "Risk Markers for Vascular Cognitive Impairment After Stroke"
 Masters of Science in Clinical Research
 The Graduate College, Rush University
- 2004 – present Post-doctoral Fellowship Supervisor, University of Illinois at Chicago
- 2004 – present John Williamson, PhD

Courses Taught or Directed

- 1990 to 1997 Observation and Communication, Rush Medical College
- 1992 to 1993 Neurobehavior Disorders, Rush Medical College
- 1994 Assessment and Treatment of Traumatic Brain Injury, Rush Medical College
(Co-directed with Christopher Grote, PhD)
- 1995 to 1996 Ethics and Law in Clinical Medicine, Rush Medical College
- 1997 to 2003 Interview and Communication, Rush Medical College
- 1997 to 2003 Generalist preceptor program, Rush Medical College
- 2002 to 2003 Shared Medical Decision Making, Rush Medical College
- 2003 Course Director, Human Behavior in the Life Cycle, Rush Medical College

Lectures

- "Clinical Neuropsychology". Neurology Clerkship Lecture, Rush Medical College
- "Human Development I: Infancy and Childhood". Rush Medical College
- "Human Development II: Adolescence/Moral Development". Rush Medical College
- "Focal Neurobehavioral Deficits". Rush Medical College
- "Psychological Assessment I: Introduction and Personality Assessment". Rush Medical College
- "Psychological Assessment II: Intelligence and Neuropsychology". Rush Medical College
- "The Neuropsychology of Language". Rush Medical College
- "The Mental Status Examination". Rush Medical College
- "Intelligence". Rush Medical College
- "Introduction to Dementia". Rush Medical College
- "Differential Diagnoses in Dementia". University of Illinois at Chicago Medical School
- "Memory Disorders and Dementia". University of Illinois at Chicago Medical School
- "Differential Diagnoses: Dementia and Mild Cognitive Impairment". UIC Medical School
- "Neuropsychological Tests: What Do They Mean?" UIC Medical School
- "Functional Neuroanatomical Lessons from Stroke". UIC Medical School

CERTIFICATION AND LICENSURE

Licensed Clinical Psychologist, Illinois License Number 071-004082

Diplomate, Clinical Neuropsychology
American Board of Professional Psychology (ABPP)
American Board of Clinical Neuropsychology (ABCN)

COMMITTEE AND ADMINISTRATIVE SERVICES

1990 - 1991, 1992 - 1993, 1994 - 1996, 1997 - 1998, 2000 - 2002	Advisory Committee, Psychology Department, Rush Medical College. <u>Chair, 1995 - 1996</u>
1990 - 1995	Medical Staff Senate, Rush-Presbyterian-St. Luke's Medical Center
1993 - 1995	Committee on Student Affairs, Rush Medical College
1993 - 1997, 1998 - 2003	Curriculum Committee, Psychology Department, Rush Medical College
1995 - 2000	Institutional Research Board (IRB), Rush-Presbyterian-St. Luke's Medical Center. <u>Chair, IRB #1, 2000</u>
1996 - 2000	Committee on Student Appraisal and Promotion (COSEP), Rush Medical College. <u>Chair, 1998 - 2000</u>
2000 - 2003	Research Committee, Psychology Department, Rush Medical College
2001 - 2003	Faculty Council, Rush Medical College
2001 - 2002	Pediatrics Chair Search Committee, Rush Medical College
2002 - present	Disabilities Assessment Team, Rush Medical College
2003	Medical College Dean Search Committee, Rush Medical College
2004 – present	<u>Chair</u> , Research Committee, Department of Neurology and Rehabilitation, University of Illinois at Chicago Medical College
2004 – present	Promotions and Tenure Committee, Department of Neurology and Rehabilitation, University of Illinois at Chicago Medical College

GRANT AND CONTRACT SUPPORT

1. Principal Investigator: "The Standardization and Continued Validation of the Multiscale Depression Inventory", January 1994 - July 1995; Rush-Presbyterian-St. Luke's Medical Center, University Committee on Research (UCR) Grant. \$4600.
2. Principal Investigator: "The Use of the Multiscale Depression Inventory with Cancer Patients", October 1994 - September 1995; American Cancer Society New Investigators Grant. \$13,333.
3. Co-Investigator (PI: Philip Gorelick, MD): "Studies of Dementia in Black Aged", November 1995 - June 1999; National Institute of Aging (R01 AG10102).
4. Site Neuropsychology Director (PI: Daniel Ganger, MD): "A Randomized, Double-Blind, Multicenter Comparison of the Safety and Effects of Three Dose Levels of VPA-985 and Placebo in the Treatment of Patients with Hyponatremia"; January 1998 - January 1999, Wyeth-Ayerst Research.
5. Site Principal Investigator: "A 24 Week, Multicenter, Randomized, Double-Blind, Placebo-Controlled Evaluation of the Efficacy and Safety of Donepezil Hydrochloride (E2020) in Patients with Dementia Associated with Cerebrovascular Disease"; January 1998 - January 1999, Eisai, Inc.
6. Independent Neuropsychological Review Committee for the Veterans Affairs Cooperative Study, "Evaluation of a Computer-Assisted Neuropsychological Screening Battery"; January 1998 - December 1999.
7. Principal Investigator: "Neuroimaging Markers of Post Stroke Cognitive Impairment"; July 1999 - June 2000. Rush Alzheimer's Disease Center Pilot Grant, National Institute on Aging.
8. Co-Investigator (Principal Investigator as of May 2004): "Risk Markers For Dementia After Stroke"; May 2000 - April 2005. National Institute on Aging.
9. Site Principal Investigator (PI: Lindsay Farrer, PhD, Boston University): "Genetic Epidemiological Studies of Alzheimer's Disease". National Institute on Aging. September 2002 – June 2004.
10. Site Neuropsychologist (Site PI: Sean Ruland, DO): "Safety and Efficacy of Cortical Stimulation in Patients with Hemiparetic Strokes. July 2003 - June 2004.
11. Site Neuropsychologist (Site PI: Sean Ruland, DO): "Everest V0267: Safety and Efficacy of Cortical Stimulation in the Treatment of Upper Extremity Hemiparesis. December 2005 – present.
12. Principal Investigator. "Validation of the NINDS VCI Neuropsychology Protocols". NIH/NIA. Pending.
13. Co-Investigator (PI: Philip B. Gorelick, MD, MPH): "Black Adventist Health and Cognition Study". NIH/NIA. Pending
14. F32 Sponsor (PI: John Williamson, PhD): "White Matter Integrity and Autonomic Stress Response". NIH/NIA. Pending.
15. Consultant (PI: Donald Bowdon, PhD): "Diabetes Health Study (DHS): MIND Study." NIH/NINDS. Pending.

PUBLICATIONS

a. Articles published, in press or submitted for publication in peer-reviewed journals

1. Rybarczyk BD, **Nyenhuis DL**, Nicholas JJ, Schultz R, Alioto RJ, Blair C. Social discomfort and depression in a sample of adults with leg amputations. *Arch Phys Med Rehab* 1992;73:1169-1173.
2. **Nyenhuis DL**, Rao SM, Zajecka JM, Luchetta T, Bernardin L, Garron DC. Mood disturbance versus other symptoms of depression in multiple sclerosis. *J Int Neuropsychol Soc* 1995;1:291-296.
3. Rybarczyk BD, **Nyenhuis DL**, Nicholas JJ, Cash CM, Kaiser J. Body image, perceived social stigma, and the prediction of psychological adjustment to leg amputation. *Rehab Psychol* 1995;40:95-110.
4. Gorelick PB, **Nyenhuis DL**, Garron DC, Cochran E. Is vascular dementia really Alzheimer's disease or mixed dementia? *Neuroepidemiology* 1996;15:286-290.
5. **Nyenhuis DL**, Garron DC. Psychometric issues when measuring decline in Alzheimer's disease. *Neuroepidemiology* 1997;16:185-190.
6. **Nyenhuis DL**, Stern RA, Yamamoto C, Terrien A, Parmentier A, Luchetta T, Arruda JE. Standardization and validation of the Visual Analog Mood Scales. *Clin Neuropsychol* 1997;11:407-415.
7. Rybarczyk B, Nicholas JJ, **Nyenhuis DL**. Coping with leg amputation: integrating research and clinical practice. *Rehab Psychol* 1997;42:241-256.
8. **Nyenhuis DL**, Luchetta T, Yamamoto C, Terrien A, Bernardin L, Rao SM, Garron DC. The development, standardization and initial validation of the Chicago Multiscale Depression Inventory. *J Pers Assess* 1998;70:386-401.
9. **Nyenhuis DL**, Gorelick PB. A contemporary review of the epidemiology, diagnosis, prevention and treatment of vascular dementia. *J American Ger Soc* 1998;46:1437-1448.
10. **Nyenhuis DL**, Luchetta T, Yamamoto C, Terrien A, Parmentier A. Adult and geriatric normative data for the Profile of Mood States. *J Clin Psychol* 1999;55:79-86.
11. Grote C, Kooker E, Garron D, **Nyenhuis DL**, Smith C, Mattingly M. Performance of compensation seeking and non-compensation seeking samples on the Victoria Symptom Validity Test: Cross-validation and extension of a standardization study. *J Clin Exp Neuropsychol* 2000;22:709-719.
12. **Nyenhuis DL**, Gorelick PB, Freels S, Garron DC. Cognitive and functional decline in African Americans diagnosed with AD, VaD and stroke without dementia. *Neurology* 2002;58:56-61.
13. Behel J, Rybarczyk B, Elliott T, Nicholas J, **Nyenhuis DL**. The role of perceived vulnerability in adjustment to lower extremity amputation: a preliminary investigation. *Rehab Psychol* 2002;47:92-105.
14. Freels S, **Nyenhuis DL**, Gorelick PB. Predictors of survival in African American patients with AD, VaD, or stroke without dementia. *Neurology* 2002;59:1146-1153.
15. Chang C-H, **Nyenhuis DL**, Cella D, Luchetta T, Dineen K, Reder AT. Psychometric evaluation of the Chicago Multiscale Depression Inventory (CMDI) in multiple sclerosis patients. *Multiple Sclerosis* 2003;9:160-170.
16. **Nyenhuis DL**, Gorelick PB, Harris Y, Richardson D, Raman R, Garron DC, Levy P. The black Seventh-day Adventist exploratory health study. *Ethnicity & Disease* 2003;13:208-212.
17. **Nyenhuis DL**, Gorelick PB, Geenen E, E Gencheva, L deToledo-Morrell. The Pattern of Neuropsychological Deficits in Vascular Cognitive Impairment, No Dementia (Vascular CIND). *Clin*

Neuropsychologist 2004;18:41-49.

18. **Nyenhuis DL**. Vascular cognitive impairment: a common sequelae of stroke and its prevention. In: Gorelick PB (ed.): Stroke Prevention. American Academy of Neurology Continuum 2005;11:137-153.
19. Pytel P, Cochran EJ, Bonner G, **Nyenhuis DL**, Thomas C, Gorelick PB. Vascular and Alzheimer type pathology in an autopsy study of African-Americans. *Neurology* 2006;66:433-435.
20. Pedelty L, **Nyenhuis DL**. Vascular cognitive impairment. *Curr Treat Options Cardiovasc Med* 2006;8:243-250.
21. Hachinski V, Iadecola C, Petersen RC, Breteler MM, **Nyenhuis DL**, Black SE, Powers WJ, Decarli C, Merino JG, Kalara RN, Vinters HV, Holtzman DM, Rosenberg GA, Dichgans M, Marler JR, Leblanc GG. National Institute of Neurological Disorders and Stroke-Canadian Stroke Network Vascular Cognitive Impairment Harmonization Standards. *Stroke* 2006;37:2220-2241.
22. Wang C, Stebbins GT, **Nyenhuis DL**, deToledo-Morrell L, Freels S, Gencheva E, Sripathirathan K, Moseley ME, Turner DA, Gabrieli JDE, Gorelick PB. Improvement in white matter integrity following stroke relates to cognitive function. *Neurobiology of Aging*, In press.
23. Goetz CG, Fahn S, Martinez-Martin P, Poewe W, Sampaio C, Stebbins GT, Stern MB, Tilley BC, Dodel R, Dubois B, Holloway R, Jankovic J, Kulisevsky J, Lang AE, Lees A, Leurgans S, LeWitt PA, **Nyenhuis D**, Olanow CW, Rascol O, Schrag A, Teresi JA, van Hilten B. Movement Disorder Society-sponsored revision of the Unified Parkinson's Disease Rating Scale (MDS-UPDRS): process, format and clinimetric testing plan. Accepted for Publication.
24. Stebbins GT, **Nyenhuis DL**, Wang C, Freels S, deToledo-Morrell L, Bangen KJ, Sripathirathan K, Moseley M, Turner DA, Gabrieli JDE, Gorelick PB. Gray matter atrophy in ischemic stroke patients with vascular cognitive impairment-no dementia. Manuscript Under review.
25. Pedelty L, **Nyenhuis DL**, Stebbins GT, deToledo-Morrell L, Berry-Kravis E, Freels S, Wang C, Sripathirathan K, Byrd S, Jhaveri M, Gorelick PB. Risk markers for vascular cognitive impairment (VCI) after stroke. Manuscript Under review.
26. Sripathirathan K, deToledo-Morrell L, Urresta F, Wang C, Stoub TR, **Nyenhuis DL**, Freels S, Gencheva E, Turner DA, Gorelick PB. Vascular cognitive impairment without dementia is not associated with mesial temporal lobe atrophy. Manuscript Under review.

b. Book Chapter

1. White RF, **Nyenhuis DL**, Sax DS. (1992). Neuropsychology of multiple sclerosis. In RF White (Ed.) *Clinical Syndromes in Adult Neuropsychology: The Practitioner's Handbook*. Amsterdam, Elsevier.

c. Published Abstracts

1. **Nyenhuis DL**, Whitman RD. Differential lateralized processing of visual sine wave gratings in the determination of figure and ground. *J Clin Exp Neuropsychol* 1990;12:41.
2. **Nyenhuis DL**, Rao SM, Zajecka JM, Garron DC. The development and initial validation of the Multiscale

- Depression Inventory for use with multiple sclerosis patients. *J Clin Exp Neuropsychol* 1993;15:103.
3. **Nyenhuis DL**, Luchetta T, Yamamoto C, Terrien A, Garron DC. The standardization and continued validation of the Multiscale Depression Inventory. *J Int Neuropsychol Soc* 1996;2:27.
 4. Luchetta T, **Nyenhuis DL**, Terrien A, Yamamoto C. Cross-validation of the Multiscale Depression Inventory using confirmatory factor analysis. *J Int Neuropsychol Soc* 1996;2:4.
 5. **Nyenhuis DL**, Stern RA, Yamamoto C, Terrien A, Parmentier A, Luchetta T, Arruda JE. A standardization, further validation and principal component analysis of the Visual Analogue Mood Scales. *J Int Neuropsychol Soc* 1996;2:4.
 6. **Nyenhuis DL**, Gorelick PB, Freels S, Garron DC. Relatively poor memory is associated with progressive cognitive decline in patients with cerebrovascular disease. *J Int Neuropsychol Soc* 1997;3:66.
 7. **Nyenhuis DL**, Bernard BA, Gorelick PB, Freels S, Garron DC. Baseline behavioral symptoms as predictors of cognitive and functional decline in African-Americans with vascular or Alzheimer's dementia. *J Neuropsychiatry and Clin Neurosciences* 1997;9:695.
 8. Slick DJ, **Nyenhuis DL**, Cella D, Chang C. Patterns of depressive symptoms in multiple sclerosis: relationships to MS type and severity of physical disability. *J Int Neuropsychol Soc* 1998;4:17.
 9. Slick DJ, **Nyenhuis DL**, Cella D, Chang C. Cross-validation of the Chicago Multiscale Depression Inventory for evaluation of depressive symptoms in persons diagnosed with multiple sclerosis. *J Int Neuropsychol Soc* 1998;4:17.
 10. **Nyenhuis DL**, Gorelick PB, Freels S, Garron DC. Cognitive and functional decline in African-Americans diagnosed with vascular dementia or stroke without dementia. *J Int Neuropsychol Soc* 1998;4:59.
 11. Grote C, **Nyenhuis DL**, Bergen D, Buelow J, Gil-Nagel A, Kanner A & Smith M. Prevalence of and risk factors for depression in epilepsy. *J Int Neuropsychol Soc* 1998;4:18.
 12. Cochran E, Thomas C, Bonner G, Bengana K, Thomas K, **Nyenhuis D**, Gorelick P. Neuropathological Examination of African American (AA) subjects of an epidemiological study of Alzheimer's disease (AD) and vascular dementia (VaD). *J Neuropath Exp Neurol* 1999;58:533.
 13. Grote C, Kooker E, Garron D, **Nyenhuis DL**, Smith C, Mattingly M. Relationship of a malingering measure to estimated and achieved IQ. *Clin Neuropsychol* 2000;14:242.
 14. Grote C, Kooker E, Garron D, **Nyenhuis DL**, Smith C, Mattingly M. Cross-validation of and alternative cut scores for the Victoria Symptom Validity Test. *J Int Neuropsychol Soc* 2001;7:146.
 15. **Nyenhuis DL**, Gorelick PB, Freels A, Garron DC. Cognitive and functional decline in African-Americans with AD, VaD or stroke without dementia. *J Int Neuropsychol Soc* 2001;7:184.
 16. **Nyenhuis DL**, Freels S, deToledo-Morrell L, Gencheva E, Gorelick P. The pattern of neuropsychological impairment in post stroke patients with vascular cognitive impairment or no cognitive impairment. Program No. 777.10. 2002 Abstract Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience, 2002. Online.
 17. **Nyenhuis DL**, Boyle PA, Garrett KD, Kramer JH, Stebbins GT, Malloy PF. Imaging and neuropsychological function in vascular cognitive impairment. *J Int Neuropsychol Soc* 2003;9:236.

18. **Nyenhuis DL**, Stebbins G, Urresta F, Freels S, deToledo-Morrell L, Gencheva E, Moseley ME, Gorelick PB. Neuropsychological deficits and white matter integrity in post-stroke VCIND. *J Int Neuropsychol Soc* 2003;9:236-237.
19. Stebbins G, **Nyenhuis DL**, Urresta F, Freels S, deToledo-Morrell L, Gencheva E, Moseley ME, Turner DA, Gabrieli JDE, Gorelick PB. White matter integrity in ischemic stroke: a DTI study with behavior correlates. *J Int Neuropsychol Soc* 2003;9:237.
20. Geenen EJ, **Nyenhuis DL**, Gencheva E, Gorelick PB. Comparison of VaD incidence using NINDS-AIREN and ADDTC diagnostic criteria. *J Int Neuropsychol Soc* 2003;9:166.
21. Wang C, deToledo-Morrell L, **Nyenhuis DL**, Freels S, Gencheva E, Moseley ME, Turner DA, Gabrieli JDE, Gorelick PB, Stebbins GT. Longitudinal changes in anisotropic diffusion in ischemic stroke: relationship to initial motor impairment. Program No. 620.13. Abstract Viewer/Itinerary Planner. Washington DC: Society for Neuroscience, 2003. Online.
22. Easley CE, Allen CE, **Nyenhuis DL**, Andrews Y, Garron DC, Gwebu ET, Harris Y, Richardson D, Levy P, Gorelick PB. Black Seventh-day Adventist exploratory health study: a research and faith community partnership. Program No. 4115.0 Abstract & Program Viewer. Washington DC: American Public Health Association, 2003. Online.
23. Gencheva E, **Nyenhuis DL**, Freels S, Gorelick PB. Risk factors for cognitive impairment after stroke. *Stroke* 2004;35:317.
24. deToledo-Morrell L, Urresta FL, Stoub TR, **Nyenhuis DL**, Gencheva E, Freels S, Bennett DA, Gorelick PB. Hippocampal and entorhinal volume in stroke patients with and without vascular cognitive impairment (VCI) compared to elderly people with mild cognitive impairment (MCI). *J Neurol Sci* 2004;226:140.
25. Stebbins GT, **Nyenhuis DL**, Freels S, deToledo-Morrell L, Gencheva E, Moseley ME, Bangen KJ, Turner DA, Gabrieli JDE, Gorelick PB. A diffusion tensor imaging study of normal appearing white matter integrity in recent ischemic stroke - relationship to cognitive function. *J Neurol Sci* 2004;226:147.
26. Stebbins GT, **Nyenhuis DL**, Freels S, deToledo-Morrell L, Gencheva E, Moseley ME, Bangen KJ, Turner DA, Gabrieli JDE, Gorelick PB. Application of Diffusion Tensor Imaging in Vascular Dementia and Vascular Cognitive Impairment. *J Neurol Sci* 2004;226:147.
27. Wang C, deToledo-Morrell L, **Nyenhuis DL**, Gencheva E, Gorelick P, Turner D, Moseley M, Stebbins GT. Longitudinal diffusion tensor imaging study of the microstructural integrity of white matter in ischemic stroke patients. *J Neurol Sci* 2004;226:153.
28. **Nyenhuis DL**, Pratt RD, Perdomo CA. Donepezil provides significant benefits in patients with vascular dementia. *J Neurol Sci* 2004;226:159.
29. Sripathirathan K, Urresta F, Wang C, Stoub T, **Nyenhuis DL**, Freels S, Gencheva E, Gorelick PB, Turner DT, deToledo-Morrell L. Vascular cognitive impairment in stroke patients is not associated with hippocampal or entorhinal cortex atrophy. Program No. 682.2 2004 Abstract Viewer/Itinerary Planner. Washington DC: Society for Neuroscience, 2004. Online.
30. Stebbins GT, **Nyenhuis DL**, Fleischman DA, Bangen KJ, deToledo-Morrell L, Turner DA, Bennett DA, Gorelick PB, Gabrieli JDE. Dissociation of medial temporal lobe and thalamic volumes in mild cognitive impairment and vascular cognitive impairment. Program No. 375.7 2004 Abstract Viewer/Itinerary

Planner. Washington DC: Society for Neuroscience, 2004. Online.

31. Wang C, Sripathirathan K, **Nyenhuis DL**, Freels S, Gencheva E, Turner DA, Gorelick PB, deToledo-Morrell L. The relation of MRI-derived normalized whole brain volume and cerebrovascular disease markers with cognitive function in ischemic stroke patients. Program No. 682.3 2004 Abstract Viewer/Itinerary Planner. Washington DC: Society for Neuroscience, 2004. Online.
32. Storteboom J, **Nyenhuis DL**, Gorelick PB. Assessing behavioral change following stroke: an application of the Frontal Systems Behavior Scale (FrSBe). *J Int Neuropsychol Soc* 2004;10 S1:115.
33. Williamson J, **Nyenhuis DL**, Pedelty L, Byrd S, Jhaveri M, Gorelick PB. Lesion location and behavioral disinhibition: posterior fossa contributions to quantifiable behavioral change. *J Int Neuropsychol Soc* 2005;11 S1:124.
34. **Nyenhuis DL**, Libon DJ, Mungas D, Stebbins GT, Garron DC. The Natural History, Cognitive Profile and Brain-Behavior Correlates of Vascular Cognitive Impairment. *J Int Neuropsychol Soc* 2005;11 S1:188.
35. **Nyenhuis DL**, Gencheva E, Freels S, Gorelick PB. Vascular CIND patients do not convert to dementia at a higher rate than stroke patients without baseline cognitive impairment when followed for up to three years. *J Int Neuropsychol Soc* 2005;11 S1:189.
36. Stebbins GT, **Nyenhuis DL**, Fleischman DA, Bangen KA, deToledo-Morrell L, Turner DA, Bennett DA, Gorelick PB, Gabrieli JDE. Voxel Based Morphometry Gray Matter Density Study of Mild Cognitive Impairment and Vascular Cognitive Impairment – No Dementia. *J Int Neuropsychol Soc* 2005;11 S1:189.
37. Goetz CG, Fahn S, Martinez-Martin P, Poewe W...**Nyenhuis DL**....New version of the UPDRS: development methods and working document for field testing. *Neurology* 2005;64:A394.
38. Stebbins GT, **Nyenhuis DL**, Wang C, Freels S, deToledo-Morrell L, Johnson J, Sripathirathan K, Gabrieli JDE, Gorelick PB. Gray matter atrophy in ischemic stroke patients with vascular cognitive impairment – no dementia. *Neurology* 2005;64:A397.
39. Pedelty L, **Nyenhuis DL**, Stebbins GT, deToledo-Morrell L, Freels S, Berry-Kravis E, Byrd S, Jhaveri M, Wang C, Sripathirathan K, Gorelick PB. Risk markers for vascular CIND after stroke. *Neurology* 2005;64:A398.
40. Stebbins GT, **Nyenhuis DL**, Cox JL, deToledo-Morrell L, Shah N, Goetz C, Gabrieli JDE, Gorelick PB. Decreased white matter density in ischemic stroke patients with cognitive impairment – no dementia: a VBM study. Program No. 410.6 2005 Abstract Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience.
41. Pedelty L, Williamson J, **Nyenhuis DL**, Byrd SE, Jhaveri M, Sripathirathan K, Wang Changsheng, deToledo-Morrell L, Gorelick PB. MRI Correlates of back-conversion in post-stroke Vascular CIND. *Neurology* 2006;66:A104.
42. Stebbins, GT, Wang C, **Nyenhuis DL**, deToledo-Morrell L, Freels S, Bammer R, Moseley ME, Gorelick PB. The changing nature of vascular load following ischemic stroke. *Journal of the International Neuropsychological Society* 2006;12 S1:264.
43. **Nyenhuis DL**, Pedelty L, Stebbins GT, deToledo-Morrell L, Freels S, Byrd S, Jhaveri M, Wang C, Sripathirathan K, Williamson J, Gorelick PB. Factors associated with post-ischemic stroke cognitive impairment. *Journal of the International Neuropsychological Society* 2006;12 S1:264.

44. Williamson JB, Pedelty L, **Nyenhuis DL**, Gorelick PB. Baseline demographic and cognitive differences between reverters and nonreverters with vascular cognitive impairment no dementia. *Journal of the International Neuropsychological Society* 2006;12 S1:142.
45. Williamson JB, **Nyenhuis DL**, Pedelty L, Byrd S, Jhaveri M, Gorelick PB. White matter hyperintensities in Vascular CIND reverters and nonreverters: a region of interest analysis. *Journal of the International Neuropsychological Society* 2006;12 S1:143.
46. Sisco S, **Nyenhuis DL** (February 2006). Stability of Proxy Ratings on the Frontal Systems Behavior Scale. *Journal of the International Neuropsychological Society* 2006;12 S1:30.

d. Regional and National Conference Presentations (not including above listed abstracts)

1. **Nyenhuis DL**, Rybarczyk BD, Nicholas JJ, Schulz R, Alioto RJ (August 1991). Sensitivity to stigma as a predictor of depression following leg amputation. Presented at the meeting of the American Psychological Association, San Francisco, CA.
2. **Nyenhuis DL** Rao SM, Zajecka JM, Garron DC (May 1993). Depression in multiple sclerosis: where is the mood disturbance? Presented at the annual Midwestern Neuropsychology Group conference, Chicago, IL.
3. **Nyenhuis DL**, Rao SM, Luchetta T, Bernardin L, Rayman L (February 1994). A comparison of patient and spouse report of multiple sclerosis symptoms. Presented at the annual International Neuropsychological Society conference, Cincinnati, OH.
4. **Nyenhuis DL**, Luchetta T, Yamamoto C, Terrien A, Parmentier A. (May 1996). Adult and geriatric normative data for the Profile of Mood States. Presented at the annual meeting of the Midwestern Psychological Association, Chicago, IL.
5. **Nyenhuis DL**, Dyonzak JB, Luchetta T, Yamamoto C, Terrien A. (May 1996). Vegetative versus non-vegetative depressive symptoms in patients with sleep disturbance. Presented at the annual meeting of the Midwestern Psychological Association, Chicago, IL.
6. Dyonzak JV, **Nyenhuis DL**, Yamamoto C. (May 1996) Measuring depression in individuals with sleep disorders. Presented at the annual meeting of the Associated Professional Sleep Societies, Washington DC.
7. Grote C, **Nyenhuis DL**, Beulow J, Smith M, Kanner A, Gil-Nagel A, Bergen D. (May 1997). Prevalence of and risk factors for depression in patients with epilepsy. Presented at the annual meeting of the Midwest Neuropsychology Group, Madison, WI.
8. Garron DC, **Nyenhuis DL**, Haut AE, Lopez M, Elpern E, Keston S, Fiducia D (May 1998). Psychological and pulmonary variables in lung transplant candidates. Presented at the annual meeting of the American Lung Association/American Thoracic Society, Chicago, IL.
9. Davies M, **Nyenhuis DL**, Luchetta T (May 1998). Depressive symptoms in cancer patients with and without acute pain and nausea. Presented at the annual meeting of the Midwest Psychological Association, Chicago, IL.
10. Peterman A, Mirsky J, **Nyenhuis D** (March 1999). Does cancer-related fatigue differ from fatigue in healthy people? Presented at the annual meeting of the American Psychosomatic Society, Vancouver, British

Columbia.

11. Larson EB, **Nyenhuis DL** (May 1999). Assessment of depression in patients with traumatic brain injury. Presented at the annual meeting of the Midwest Neuropsychology Group, Chicago, IL.
12. Wierenga CE, Larson EB, **Nyenhuis DL** (May 1999). The reliability and validity of the Chicago Multiscale Depression Inventory (CMDI) in patients with traumatic brain injury. Presented at the annual meeting of the Midwest Psychological Association, Chicago, IL.
13. Scherpenisse E, **Nyenhuis DL**, Gorelick PB (May 2000). Learning and memory in African Americans with Alzheimer's disease or vascular dementia. Presented at the annual meeting of the Midwest Psychological Association, Chicago, IL.
14. **Nyenhuis DL**, Gorelick PB, Freels S, Gencheva E, deToledo-Morrell, L. A comparison of the pattern of neuropsychological deficits in post-stroke patients with vascular cognitive impairment or no cognitive impairment: preliminary data. Presented at the annual meeting of the Midwest Neuropsychology Group, Chicago, IL.
15. Kurtz SM, **Nyenhuis DL**, Gencheva E, Gorelick PB. (March 2003) The Chicago Multiscale Depression Inventory (CMDI) with Stroke Patients. Presented at the annual meeting of the Eastern Psychological Association, Baltimore, Maryland.
16. Tilley BC, Goetz CG, LaPelle N, Leurgans S, **Nyenhuis DL**, Stebbins GT, Teresi JA (March 2005). Clinimetric testing and validation program for the new MDS-sponsored version of UPDRS. Presented at the Movement Disorders Society International Congress of Parkinson's Disease and Movement Disorders, New Orleans, LA.
17. Williamson J, **Nyenhuis DL**, Stebbins G, Gencheva E, Gorelick PB (May, 2005). Relationships between apparent white matter integrity, autonomic nervous system function and behavioral change in post-ischemic stroke. Presented at the annual meeting of the Midwest Neuropsychology Group, Madison, WI.
18. Perschler PJ, Maki PM, Vassileva J, **Nyenhuis DL**, Zhou XJ, Little DM (April 2006). Age-related anatomical correlates of working memory performance. Presented at the annual Cognitive Aging Conference, Atlanta, GA.
19. Williamson J, Pedelty L, Nyenhuis D, Byrd S, Jhaveri M, Sripathirathan K, Wang C, deToledo-Morrell L, Gorelick PB (May 2006). White matter hyperintensities in vascular CIND reverters and non-reverters: a region of interest fractional anisotropy analysis. Presented at the annual Midwest Neuropsychology Group meeting, Chicago, IL

e. International Conference Presentations

1. **Nyenhuis DL**, Gorelick PB, Freels S (January 2002). Cognitive and functional decline in African Americans with VaD, AD or stroke without dementia. Presented at the Second International Congress on Vascular Dementia, Salzburg, Austria.
2. **Nyenhuis DL**, Freels S, Gorelick, PB (January 2002). Predictors of survival in African Americans with VaD, AD or stroke without dementia. Presented at the Second International Congress on Vascular Dementia, Salzburg, Austria.

3. Urresta FL, Stebbins GT, deToledo-Morrell L, **Nyenhuis D**, Moseley M, Gabrieli, JDE, Gencheva E, Gorelick P (January 2002). Contralateral white matter integrity in patients with unilateral stroke. Presented at the Second International Congress on Vascular Dementia, Salzburg, Austria.
4. deToledo-Morrell L, Urresta FL, Bulgakova M, **Nyenhuis D**, Gencheva E, Gorelick P (January 2002). Hippocampal volume in stroke patients with and without vascular cognitive impairment. Presented at the Second International Congress on Vascular Dementia, Salzburg, Austria.
5. Stebbins GT, Urresta FL, deToledo-Morrell L, **Nyenhuis D**, Moseley M, Gabrieli JDE, Gencheva E, Gorelick P (January 2002). The relationship of contralateral white matter integrity to the extent of unilateral stroke. Presented at the Second International Congress on Vascular Dementia, Salzburg, Austria.
6. **Nyenhuis DL**, Gorelick PB, Cochran E, Thomas C, Bonner G, Hockema C (January 2002). Cognitive decline and clinico-pathological correlation in African Americans with VaD, AD or stroke without dementia. Presented at the Second International Congress on Vascular Dementia, Salzburg, Austria.
7. **Nyenhuis DL**, Stebbins GT, Wang C, Freels S, Shah N, Johnson J, deToledo-Morrell L, Sripathirathan K, Bammer R, Moseley M, Gorelick PB. (March 2005). The Influence of White Matter Classification Probability on the Relation of Fractional Anisotropy and Cognitive Function in Ischemic Stroke. Presented at the International Society for Magnetic Resonance in Medicine Workshop on Methods for Quantitative Diffusion MRI of Human Brain. Alberta, Canada.
8. Stebbins GT, Berry-Kravis E, **Nyenhuis DL**, Freels S, Johnson J, Wang C, Morrell L, Sripathirathan K, Bammer R, Moseley M, Gabrieli JDE, Gorelick PB. (March 2005). Interaction of longitudinal changes in fractional anisotropy and ApoE status in ischemic stroke patients. Presented at the International Society for Magnetic Resonance in Medicine Workshop on Methods for Quantitative Diffusion MRI of Human Brain. Alberta, Canada.
9. **Nyenhuis DL**, Stebbins GT, Wang C, Freels S, Shah N, Johnson J, deToledo-Morrell L, Sripathirathan K, Bammer R, Moseley M, Gorelick PB (June 2005). White matter classification probabilities influence correlations between fractional anisotropy and cognitive function in ischemic stroke. Presented at the 2nd Meeting of the International Society for Vascular Behavioural and Cognitive Disorders, Florence, Italy.
10. Stebbins GT, Berry-Kravis E, **Nyenhuis DL**, Freels S, Johnson J, Wang C, deToledo-Morrell L, Sripathirathan K, Bammer R, Moseley M, Gabrieli JDE, Gorelick PB (June 2005). ApoE 4 association with decline in white matter integrity in ischemic stroke. Presented at the 2nd Meeting of the International Society for Vascular Behavioural and Cognitive Disorders, Florence, Italy.
11. Pedelty L, **Nyenhuis DL**, Stebbins GT, deToledo-Morrell L, Wang C-S, Sripathirathan K, Berry-Kravis E, Freels S, Byrd SE, Jhaveri M, Gorelick PB (June 2005). Risk Markers for Vascular Cognitive Impairment, No Dementia (Vascular CIND) and Vascular Dementia (VaD) after stroke. Presented at the 2nd Meeting of the International Society for Vascular Behavioural and Cognitive Disorders, Florence, Italy.
12. Williamson J, **Nyenhuis DL**, Pedelty L, Stebbins GT, deToledo-Morrell L, Sripathirathan K, Wang C, Berry-Kravis E, Byrd SE, Jhaveri M, Gorelick PB (June 2005). A comparison of risk factor profiles in three cognitive domains commonly associated with Vascular Cognitive Impairment (VCI). Presented at the 2nd Meeting of the International Society for Vascular Behavioural and Cognitive Disorders, Florence, Italy.

f. Invited Presentations

1. September 1994. "The Science and Practice of Neuropsychology". Psychology Department Colloquium, University of Wisconsin-Green Bay.
2. August 1995. "Cognitive Impairment Associated with Multiple Sclerosis". Rush Multiple Sclerosis Support Group, Rush-Presbyterian-St. Luke's Medical Center.
3. December 1995. "Depression and Stroke". Stroke Grand Rounds, Department of Neurological Sciences, Rush-Presbyterian-St. Luke's Medical Center.
4. February 1996. "Depression and Stroke". Neurology Grand Rounds, Cook County Hospital.
5. May 1996. Panelist, Diagnostic and Treatment Case Study, 12th Annual Mental Health Conference, Du Page County, Illinois.
6. November 1996. "Measuring depressive symptoms in the medically ill". Psychology Department Colloquium, Calvin College, Grand Rapids, Michigan.
7. May 2002. "Pattern of Neuropsychological Deficits in Patients with Vascular Cognitive Impairment No Dementia (Vascular CIND). Psychology Department Colloquium, Rush-Presbyterian-St. Luke's Medical Center, Chicago Illinois.
8. September 2002. "Stroke, Cerebrovascular Disease and Vascular Cognitive Impairment". Invited lecture, Neuropsychology Section, Psychiatry Department, University of Illinois-Chicago.
9. September 2002. "Risk Markers for Dementia After Stroke: A Case-Control Study of Post Stroke Cognitive Impairment". Invited Lecture, Epidemiology Research Seminar, School of Public Health, University of Illinois-Chicago.
10. May 2003. "Neuropsychological and Neuroimaging Patterns of Vascular Dementia". Invited Web-based lecture. National Stroke Association.
11. October 2003. "Risk Markers for Dementia After Stroke". Invited Lecture, Behavioral Neuroscience Seminar, University of Illinois-Chicago.
12. May 2004. "Stroke and Vascular Dementia: Natural History, Risk Factors and Patterns of Cognitive Impairment. Invited Grand Rounds Lecture, Vista Health-Saint Therese Medical Center, Lincolnshire Illinois.
13. August 2004. "Memory Disorders and Dementia". Invited lecture, Neuropsychology Section, Psychiatry Department, University of Illinois-Chicago.
14. December 2004. "Cognitive Decline of Patients with Alzheimer's Disease and Vascular Dementia." Invited Lecture, Brain 2004: The Annual Meeting of the Clinical Neuroscience Group, the Chinese University of Hong Kong.
15. December 2004. "Risk Markers for Dementia After Stroke: Neuropsychology, MRI and Epidemiology." Invited Lecture, Brain 2004: The Annual Meeting of the Clinical Neuroscience Group, the Chinese University of Hong Kong.
16. March 2005. "Post ischemic stroke leukoaraiosis: extent, course and relationship to cognitive impairment. Department of Neurology and Rehabilitation Grand Rounds, University of Illinois at Chicago.

17. March 2005. "Risk markers of vascular cognitive impairment following ischemic stroke." Invited lecture, Behavioral Neuroscience Seminar, University of Illinois at Chicago.
18. April 2005. "Risk markers of vascular cognitive impairment." Invited lecture, research seminar, Midwestern University, Downers Grove, Illinois.
19. June 2005. "The Continuum from Vascular Cognitive Impairment, No Dementia (Vascular CIND) to Vascular Dementia (VaD)". Invited lecture presented at the Second International Vas-Cog Congress, Florence Italy.
20. June 2005. "Control of Vascular Risk Factors". Invited lecture presented at the Second International Vas-Cog Congress, Florence Italy.
21. August 2005. "Cognitive Impairment and Dementia associated with Stroke and Cerebrovascular Disease." Invited Grand Rounds lecture, Vista Health, Waukegon, Illinois.
22. February 2006. "Vascular Cognitive Impairment: Epidemiology, Clinical Presentation and Underlying Mechanisms. Invited Continuing Education Lecture presented at the annual meeting of the International Neuropsychological Society, Boston MA.
23. February 2006. "Incorporating Cognitive Outcomes in Stroke Trial Design: Past and Future Measurement. Invited symposium lecture presented at the annual meeting of the International Stroke Conference, Orlando, FL.
24. May 2006. "An Update on Vascular Cognitive Impairment". Invited lecture presented at the annual meeting of the Midwest Neuropsychology Group, Chicago, IL.
25. May 2006. "White Matter Disease and Cognition in Ischemic Stroke". Department of Psychiatry Grand Rounds, University of Illinois at Chicago.
26. May 2006. "White Matter Disease and Cognition in Ischemic Stroke". Department of Neurological Sciences Grand Rounds, Rush University Medical School.

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