James R. Youngjohn, Ph.D., ABPP-CN

Curriculum Vitae Fall, 2011

Office Address:Contact Information:7533 East 1st StreetPhone: (480) 941-1774Scottsdale, Arizona 85251Fax: (480) 941-1838

Email: drjyoungjohn@aol.com

BOARD CERTIFICATION AND FELLOW STATUS

Fellow, National Academy of Neuropsychology. Elected June 15, 1999 for having made significant contributions to the science and profession of neuropsychology.

Board Certified in Clinical Neuropsychology, American Board of Professional Psychology/American Board of Clinical Neuropsychology. 1989: Diploma number 4096.

LICENSURE

Licensed by the Arizona Board of Psychologist Examiners. 1985-present: License number 1183.

Licensed by the District of Columbia Occupational and Professional Licensing Administration, Board of Psychology. 1988-1997: License number 1436.

EDUCATION

1974-1978 Institution: Ripon College (Ripon, WI)

Degree: A.B., Magna Cum Laude

Majors: Psychology (Honors), Spanish (Honors)

Foreign Study: Universidad de Valencia, Universidad Iberoamericana

1978-1984 Institution: University of Louisville (Louisville, KY)

A.P.A. approved training program in Clinical Psychology.

Degrees: M.A., 1981. Ph.D., 1984.

Special Emphasis: Clinical Neuropsychology

PROFESSIONAL EXPERIENCE

July, 1993- Adjunct Professor of Psychology

present Arizona State University (Tempe, AZ),

Clinical supervision and training of psychology doctoral students.

October, 1988- Private Practice Neuropsychologist (Scottsdale, AZ)

present Neuropsychological, psychological, and forensic assessment

January, 1989- Director of Neuropsychological Research

August, 1993 Memory Assessment Clinics Inc. (Scottsdale, AZ)

October, 1987- Senior Psychologist

October, 1988 National Rehabilitation Hospital (Washington, D.C)

Direction of neuropsychological testing laboratory, and supervision of

staff psychologists and post-doctoral fellow.

September, 1985- Staff Psychologist

October, 1987 Head Injury and Stroke Day Hospital, Good Samaritan Medical Center,

(Phoenix, AZ)

Provision of clinical services and supervision in A.P.A. approved

psychology internship program.

October, 1984- Post-doctoral Fellow in Neuropsychology

August, 1985 Community Hospital of Indianapolis and the Center for

Neuropsychological Rehabilitation (Indianapolis, IN)

September, 1983- Internship in Clinical Neuropsychology

August, 1984 Rush Presbyterian-St. Luke's Medical Center (Chicago, IL)

A.P.A. approved internship.

July, 1982- Certified (Masters Level) Psychologist

August, 1983 Kentucky Correctional Psychiatric Center (La Grange, KY)

Forensic pretrial and post-conviction evaluations and psychotherapy.

October, 1981 Certified (Masters Level) Psychologist

June, 1982 Children's Treatment Services (Louisville, KY).

Psychotherapy and evaluation of children in a state psychiatric hospital.

Academic years

1980/81 and *Primary Instructor (GTA)* Administration, 1981/82 University of Louisville (Louisville, KY)

Doctoral Seminar in Children's I.Q. Test Administration, Abnormal

Psychology, and Introductory Psychology

PROFESSIONAL MEMBERSHIPS

Fellow, National Academy of Neuropsychology. Elected June 15, 1999 for having made significant contributions to the science and profession of neuropsychology.

American Academy of Clinical Neuropsychology.

International Neuropsychological Society.

American Psychological Association, Divisions of Neuropsychology (40) and Psychology and the Law (41).

PEER REVIEW AND RELATED ACTIVITIES

Appointed to Arizona Board of Psychologist Examiners Reform Task Force (2003).

Appointed to American Psychological Association Presidential Task Force on Assessment of Age Consistent Memory Decline and Dementia (1997-1998).

Work Sample Reviewer for the American Board of Professional Psychology and the American Board of Clinical Neuropsychology.

Consulting Editor. *Psychological Assessment*, 1996-1997. American Psychological Association, Washington, DC.

Invited Reviewer. Neuropsychology. American Psychological Association, Washington, DC.

Invited Reviewer. *Journal of Clinical and Experimental_Neuropsychology*. Psychology Press, Taylor and Francis, UK.

Invited Reviewer. *The Clinical Neuropsychologist*. Psychology Press, Taylor and Francis Publishers, East Sussex, UK.

Invited Reviewer. Archives of Clinical Neuropsychology. Oxford University Press, Oxford, UK.

Invited Reviewer. Law and Human Behavior. Plenum Press, New York.

Invited Reviewer. *Journal of the International Neuropsychological Society*. Cambridge University Press, New York.

Invited Reviewer. Developmental Neuropsychology. Lawrence Erlbaum, Hillsdale, NJ.

Invited Reviewer. Psychiatry Research. Elsevier, The Netherlands.

PUBLICATIONS

- Youngjohn, J.R. (1986). Rapid recovery from crossed aphasia in a dextral. *Archives of Clinical Neuropsychology*, 1, 165-174.
- Youngjohn, J.R., & Altman, I.M. (1989). A performance based group approach to the treatment of anosognosia and denial. *Rehabilitation Psychology*, *34*, 217-222
- Youngjohn, J.R., & Altman, I.M. (1989). Two cases of subangular pure alexia with anomia. *The International Journal of Clinical Neuropsychology*, 11, 187-191.
- Crook, T.H., Larrabee, G.J., & Youngjohn, J.R. (1989). Age-associated memory impairment: Definition and assessment. In A. Agnoli & G. Bruno (eds.) *Mental Decline of Elderly People*, CIC Edizoni Internazional, Rome. pp. 21-28.
- Crook, T.H., Youngjohn, J.R., & Larrabee, G.J. (1990). The Misplaced Objects Test: A measure of everyday visual memory. *Journal of Clinical and Experimental Neuropsychology*, 12, 819-833.
- Crook, T.H., Youngjohn, J.R., & Larrabee, G.J. (1990). The TV News Test: A new measure of everyday memory for prose. *Neuropsychology*, *4*, 135-145.
- Crook, T.H., Larrabee, G.J., & Youngjohn, J.R. (1990). Diagnosis and assessment of age-associated memory impairment. *Clinical Neuropharmacology*, 13, S81-S91.
- Youngjohn, J.R., & Kjellberg, B.J. (1991). *Media guide to Arizona psychologists*. Arizona Psychological Association, Phoenix, AZ.
- Meyer, R.G., & Youngjohn, J.R. (1991). The effects of feedback and validity expectancy on responses in a lie detector interview. *Forensic Reports*, *4*, 235-244.
- Youngjohn, J.R., Larrabee, G.J., & Crook, T.H. (1991). First-Last Names and the Grocery List Selective Reminding Tests: Two computerized measures of everyday verbal learning. *Archives of Clinical Neuropsychology*, *6*, 287-300.
- Youngjohn, J.R. (1991). Malingering of neuropsychological impairment: An assessment strategy. *The Expert Witness, The Trial Attorney, and The Trial Judge, 6*, 29-31.
- Youngjohn, J.R., Larrabee, G.J., & Crook, T.H. (1992). Discriminating age-associated memory impairment and Alzheimer's disease. *Psychological Assessment*, *4*, 54-59.

- Larrabee, G.J., McEntee, W.J., Youngjohn, J.R., & Crook, T.H. (1992). Age-Associated Memory Impairment: Diagnosis, research, and treatment. In M. Bergener, K. Hasegawa, S.I. Finkel, & T. Nishimura (eds.) *Aging and mental disorders: International perspectives*. Springer Publishing Co., New York.
- Crook, T.H., Youngjohn, J.R., Larrabee, G.J., & Salama, M. (1992). Aging and everyday memory: A cross-cultural study. *Neuropsychology*, *6*, 123-136.
- Youngjohn, J.R., Beck, J., Jogerst, J., & Caine, C. (1992). Neuropsychological impairment, depression, and Parkinson's disease. *Neuropsychology*, 6, 149-158.
- Crook, T.H., Youngjohn, J.R., & Larrabee, G.J. (1992). Multiple equivalent forms in a computerized, everyday memory battery. *Archives of Clinical Neuropsychology*, 7, 221-232.
- Youngjohn, J.R., Larrabee, G.J., & Crook, T.H. (1992). Test-retest reliability of computerized, everyday memory measures and traditional memory tests. *The Clinical Neuropsychologist*, *6*, 276-286.
- Crook, T.H., Youngjohn, J.R., & Larrabee, G.J. (1993). The influence of age, gender, and cues on computer-simulated topographic memory. *Developmental Neuropsychology*, 9, 41-53.
- Crook, T.H., Larrabee, G.J., & Youngjohn, J.R. (1993). Age and incidental recall for a simulated everyday memory task. *Journal of Gerontology: Psychological Sciences*, 48, 45-47.
- Youngjohn, J.R., & Crook, T.H. (1993). Learning, forgetting, and retrieval of everyday material across the adult life span. *Journal of Clinical and Experimental Neuropsychology*, 15, 447-460.
- Youngjohn, J.R., Larrabee, G.J., & Crook, T.H. (1993). New adult age and education correction norms for the Benton Visual Retention Test. *The Clinical Neuropsychologist*, 7, 155-160.
- Youngjohn, J.R., & Crook, T.H. (1993). Stability of everyday memory in age-associated memory impairment: A longitudinal study. *Neuropsychology*, 7, 406-416.
- Larrabee, G.J., Youngjohn, J.R., Sudilovsky, A., & Crook, T.H. (1993). Accelerated forgetting in Alzheimer-type dementia. *Journal of Clinical and Experimental Neuropsychology*, 15, 701-712.

- Larrabee, G.J., Youngjohn, J.R., Feher, E.P., & Crook, T.H. (1993). Evaluation of treatment effects in memory disorders of aging. In M. Bergener, R. Belmaker, & M. Tropper (eds.) *Psychopharmacotherapy for the elderly: Research and clinical implications.* Springer Publishing Co., New York.
- Crook, T.H., & Youngjohn, J.R. (1993). Development of treatments for memory disorders: The necessary meeting of basic and everyday memory research. *Applied Cognitive Psychology*, 7, 619-630.
- Youngjohn, J.R., & Perrin, G. (1994). Board actions: Independent psychological examinations. *Arizona Psychologist, 14,* 6.
- Youngjohn, J.R., Burrows, L., & Erdal, K. (1995). Brain damage or compensation neurosis? The controversial post-concussion syndrome. *The Clinical Neuropsychologist*, *9*, 112-123.
- Youngjohn, J.R. (1995). Confirmed attorney coaching prior to neuropsychological evaluation. *Assessment*, 2, 279-283.
- Youngjohn, J.R. (1995). Board actions: Release of raw test data. Arizona Psychologist, 15, 5.
- Berry, D.T.R., Wetter, M.W., Baer, R.A., Youngjohn, J.R., Gass, C.S., Lamb, D.G., Franzen, M.D., MacInnes, W.D., & Buchholz, D. (1995). Overreporting of closed-head injury symptoms on the MMPI-2. *Psychological Assessment*, *7*, 517-523.
- Youngjohn, J.R., & Crook, T.H. (1996). Dementia. In L.Carstensen, B. Edelstein, & L. Dornbrand (eds.) *The Practical Handbook of Clinical Gerontology*. Sage Publications, Thousand Oaks, CA.
- Youngjohn, J.R. (1997). Post-concussion syndrome after road and other accidents: Brain damage, somatoform disorder, or litigation induced? In M. Mitchell (ed.) *The Aftermath of Road Accidents: Psychological, social, and legal consequences of an everyday trauma*. Routledge, London.
- Youngjohn, J.R., Davis, D., & Wolf, I. (1997). Head injury and the MMPI-2: Paradoxical severity effects and the influence of litigation. *Psychological Assessment*, *9*, 177-184.
- Youngjohn, J.R., Spector, J., & Mapou, R.L. (1997). Neuropsychological findings in silicone breast-implant complainants: Brain damage, somatization, or compensation neurosis? *The Clinical Neuropsychologist*, 11, 132-141.
- Youngjohn, J.R., Spector, J., & Mapou, R.L. (1998). Failure to assess motivation, need to consider psychiatric disturbance, and absence of objectively verified physical pathology: Some common pitfalls in the practice of forensic neuropsychology. *The Clinical Neuropsychologist*, 12, 233-236.

- American Psychological Association Presidential Task Force on the Assessment of Age-Consistent Memory Decline and Dementia: Youngjohn, J.R. (principal author), Crook, T.H. (chair), Albert, M., Larrabee, G.J., LaRue, A., Lebowitz, B.D., & Storandt, M. (1998). Guidelines for the evaluation of dementia and age-related cognitive decline. *American Psychologist*, *53*, 1298-1303.
- Youngjohn, J.R., Lees-Haley, P., & Binder, L. (1999). Warning malingerers produces more sophisticated malingering. *Archives of Clinical Neuropsychology*, *14*, 511-515.
- Youngjohn, J.R. (2007). Lie detecting made deceptively easy. Review of A. Vrij, Detecting Lies and Deceit: The psychology of lying and the implications for professional practice, (2000). *The Clinical Neuropsychologist*, 21, 855-857.
- Youngjohn, J.R. & Thomas, M.L. (2008). The real deal in the assessment of malingering. Review of K. Boone (ed.), Assessment of feigned cognitive impairment: A neuropsychological perspective, (2007). PsycCRITIQUES- Contemporary Psychology: APA Review of Books, 53.
- Youngjohn, J.R. (2009). Lyme disease: Consideration of malingered disability. In J.Morgan and J.Sweet (eds.) *Neuropsychology of Malingering Casebook*. Taylor & Francis, New York.
- Thomas, M.L., & Youngjohn, J.R. (2009). Let's not get hysterical: Comparing the MMPI-2 validity, clinical, and RC scales in TBI litigants tested for effort. *The Clinical Neuropsychologist*, 23, 1067-1084.
- Youngjohn, J.R., Wershba, R., Stevenson, M., Sturgeon, J., and Thomas, M.L. (2011). Independent validation of the MMPI-2-RF somatic/cognitive and validity scales in TBI litigants tested for effort. *The Clinical Neuropsychologist*, *25*, 463-476.

SELECTED PRESENTATIONS AND ABSTRACTS

- Youngjohn, J.R. (1981). Effects of feedback and validity expectancy in a lie detector interview: The influence of subjective variables on the "objective" detection of deception. Paper presented to the joint convention of the Kentucky and Tennessee Psychological Associations, Louisville, Kentucky.
- Martin, E.M., Youngjohn, J.R., Garron, D.C. (1984). The human Kluver-Bucy Syndrome. Paper presented at the annual meeting of the Midwest Neuropsychology Group, Chicago, Illinois.
- Youngjohn, J.R. (1984). Lateral eye movements and asymmetry in cognition and emotion. Paper presented at the American Psychological Association Annual convention, Toronto, Canada.

- Youngjohn, J.R. (1985). Developments in measurement in neuropsychology. Chair, poster session at the American Psychological Association annual convention, Los Angeles, California.
- Youngjohn, J.R. (1986). Crossed aphasia in a right-handed woman. Paper presented at the International Neuropsychological Society annual North American Meeting, Denver, Colorado. Abstract published in *Journal of Clinical and Experimental Neuropsychology*, 1985, 7, 631.
- Youngjohn, J.R. (1986). Developments in assessment and intervention in clinical neuropsychology. Chair, poster session at the American Psychological Association annual convention, Washington, D.C.
- Youngjohn, J.R. and Altman, I.M. (1987). A performance based, group approach to the treatment of anosognosia and denial. Poster presented at the fifth annual Southwest Head Injury Symposium, Cancun, Mexico.
- Youngjohn, J.R. and Altman, I.M. (1987). Pure alexia, anomia, and right upper quadrantanopsia: Two case studies. Poster presented at the International Neuropsychological Society annual North American meeting, Washington, D.C. Abstract published in *Journal of Clinical and Experimental Neuropsychology*, *9*, 41.
- Youngjohn, J.R., Altman, I.M., and Van Doren, J. (1989). Amnesia following anterior communicating artery surgery. Poster presented at the International Neuropsychological Society, Vancouver, British Columbia. Abstract published in *Journal of Clinical and Experimental Neuropsychology*, 11, 61.
- Crook, T.H., Larrabee, G.J., & Youngjohn, J.R. (1989). Age-associated memory impairment: Definition and assessment. Paper presented at the Convego Nazionale Conference on Mental Decline of Elderly People, Rome, Italy.
- Youngjohn, J.R., Larrabee, G.J., & Crook, T.H. (1990). The Misplaced Objects Test: A measure of everyday visual memory. Poster presented at the International Neuropsychological Society annual North American meeting, Orlando, Florida. Abstract published in *Journal of Clinical and Experimental Neuropsychology*, 12, 57.
- Youngjohn, J.R., Larrabee, G., & Crook, T.H. (1990). The TV News Test: A measure of everyday verbal memory. Blue Ribbon Paper presented at the American Psychological Association annual convention, Boston. Abstract published in *The Clinical Neuropsychologist*, *4*, 278.

- Beck, J.T., Youngjohn, J.R., Jogerst, G.J., & Caine, J.C. (1990). Neuropsychological performance and Parkinson's disease. Poster presented at the American Psychological Association annual convention, Boston. Abstract published in *The Clinical Neuropsychologist*, 4, 290.
- Youngjohn, J.R., Larrabee, G.J., & Crook, T.H. (1990). Multiple equivalent forms in a computerized, everyday memory battery. Poster presented at the National Academy of Neuropsychology annual conference, Reno, Nevada. Abstract published in *The Archives of Clinical Neuropsychology*, 1991, <u>6</u>, 237-238.
- Youngjohn, J.R., Larrabee, G.J., & Crook, T.H. (1991). Disciminating Age-Associated Memory Impairment from Alzheimer's disease. Poster presented at the International Neuropsychological Society, San Antonio, Texas. Abstract published in *The Journal of Clinical and Experimental Neuropsychology*, 13, 71.
- Larrabee, G.J., & Youngjohn, J.R. (1991). Age-associated memory disorders. Co-chairs of this symposium presented at the American Psychological Association annual convention, San Francisco. Abstract published in *The Clinical Neuropsychologist*, *5*, 256.
- Youngjohn, J.R., Larrabee, G.J., & Crook, T.H. (1991). Test-retest reliability of computerized, everyday memory measures and traditional memory tests. Poster presented at the American Psychological Association annual convention, San Francisco. Abstract published in *The Clinical Neuropsychologist*, *5*, 261.
- Larrabee, G.J., Youngjohn, J.R., & Crook, T.H. (1991). Evaluation of treatment effects in memory disorders of aging. Paper presented at the Fifth Congress of the International Psychogeriatric Association, Rome, Italy.
- Larrabee, G.J., McEntee, W.J., Youngjohn, J.R., & Crook, T.H. (1991). Memory Assessment Clinics: Five years of research in the United States. Paper presented at the Fifth Congress of the International Psychogeriatric Association, Rome, Italy.
- Larrabee, G.J., Youngjohn, J.R., & Crook, T.H. (1991). Age-Associated Memory Impairment and dementia: Continuum or dichotomy? Paper presented at the Fifth Congress of the International Psychogeriatric Association, Rome, Italy.
- Youngjohn, J.R., Larrabee, G.J., & Crook, T.H. (1991). The influence of age, gender, and cues on computer simulated topographic memory. Poster presented at the annual meeting of the National Academy of Neuropsychology, Dallas. Abstract published in *The Archives of Clinical Neuropsychology*, 7, 374.

- Youngjohn, J.R., Larrabee, G.J., & Crook, T.H. (1992). Aging and everyday memory: A cross-cultural study. Poster presented at the annual north american meeting of the International Neuropsychological Society, San Diego. Abstract published in *The Journal of Clinical and Experimental Neuropsychology*, 14, 24.
- Youngjohn, J.R., & Crook, T.H. (1992). The effects of aging on learning, forgetting, and retrieval. Blue Ribbon paper presented at the American Psychological Association centennial convention, Washington, D.C. Abstract published in *The Clinical Neuropsychologist*, 6, 338.
- Youngjohn, J.R., & Crook, T.H. (1992). Memory testing through the media. Paper presented at the American Psychological Association centennial convention, Washington, D.C. Abstract published in *The Clinical Neuropsychologist*, 6, 340.
- Youngjohn, J.R., & Crook, T.H. (1993). New age and education norms for the Benton Visual Retention Test. Poster presented at the annual north american meeting of the International Neuropsychological Society, Galveston. Abstract published in *Journal of Clinical and Experimental Neuropsychology*, 15, 101.
- Berry, D.T.R., Wetter, M.W., Baer, R.A., Youngjohn, J.R., Gass, C.S., MacInnes, W.D., Buchholz, D., & Burns, T. (1993). Fabrication and exaggeration of symptoms of closed-head injury: Patterns of MMPI-2 validity and clinical scales. Poster presented at the annual North American meeting of the International Neuropsychological Society, Galveston. Abstract published in *Journal of Clinical and Experimental Neuropsychology*, 15, 104-105.
- Youngjohn, J.R., & Crook, T.H. (1993). New age, gender, and education norms for Logical Memory and Paired Associate Learning. Poster presented at the annual convention of the American Psychological Association, Toronto, Canada. Abstract published in The *Clinical Neuropsychologist*, 7, 348.
- Mittenberg, W., Zielinski, R., Fichera, S., Heilbronner, R., & Youngjohn, J.R. (1993). Identification of malingered head injury on the WAIS-R. Poster presented at the annual meeting of the National Academy of Neuropsychology, Phoenix. Abstract published in *The Archives of Clinical Neuropsychology*, 9, 165.
- Youngjohn, J.R., Burrows, L., & Erdal, K. (1993). Brain damage or compensation neurosis? The controversial post-concussion syndrome. Poster presented at the annual meeting of the National Academy of Neuropsychology, Phoenix. Abstract published in *The Archives of Clinical Neuropsychology*, 1994, 9, 205-206.
- Youngjohn, J.R. (1995). The neuropsychological assessment of dementia. Invited continuing education workshop presented at the annual convention of the Arizona Psychological Association, Scottsdale, AZ.

- Youngjohn, J.R., Spector, J., & Mapou, R. (1996). Psychological disturbance, somatization, and malingering in breast implant complainants. Poster presented at the National Academy of Neuropsychology, New Orleans. Abstract published in *The Archives of Clinical Neuropsychology*, 1997, *12*, 432-433.
- Youngjohn, J.R. (1996). The controversial post-concussion syndrome: Is it brain damage or something else? Invited continuing education workshop presented at the annual meeting of the National Academy of Neuropsychology, New Orleans, LA.
- Berry, D.T., Vickery, T., Inman, D., Lamb, J., Youngjohn, J.R., Orey, S., & Edwards, C. (1997). Development and initial validation of a new test of motivational impairment: The Letter Memory Test. Paper presented at the annual convention of the American Psychological Association, Chicago. Abstract published in *The Clinical Neuropsychologist*, 11, 330.
- Youngjohn, J.R. (1998). Effects of head injury severity and litigation on the MMPI-2.Symposium presented at the annual convention of the American Psychological Association, San Francisco. Abstract published in *The Clinical Neuropsychologist*, 12, 296.
- Youngjohn, J.R. (1999). Developing the A.P.A. Guidelines for the Assessment of Dementia and Age-Related Cognitive Decline. Half-day continuing education workshop presented at the annual convention of the Arizona Psychological Association, Mesa, AZ.
- Youngjohn, J.R., & Morenz, B. (2000). Malingering and other conundrums. Invited presentation at the Training Mental Health Experts in Legal Competency and Restoration workshop for the Supreme Court of Arizona, Tucson, AZ.
- Youngjohn, J.R. (2003). Performing competency examinations on persons in custody. Invited presentation at the Training Mental Health Experts in Legal Competency and Restoration workshop for the Supreme Court of Arizona, Phoenix, AZ.
- Denney, R., Hartman, D., Larrabee, G., & Youngjohn, J.R. (2005). Forensic Grand Rounds. Invited discussants for the annual conference of the National Academy of Neuropsychology, Tampa, FL.
- Youngjohn, J.R. (2007). Assessment tools for competency, including neuropsychological assessment. Invited presentation at the Training Mental Health Experts in Legal Competency and Restoration workshop for the Supreme Court of Arizona, Tucson, AZ.
- Denney, R., Boone, K., & Youngjohn, J.R. (2007). Forensic Grand Rounds. Invited discussants for the annual conference of the National Academy of Neuropsychology, Scottsdale, AZ.

- Wershba, R.E., Stevenson, M.M., Thomas, M.L., & Youngjohn, J.R. (2009). MMPI-2-RF validity and somatic scales: Relations to symptom validity test outcomes. Poster presented at the annual meeting of the National Academy of Neuropsychology, New Orleans. Abstract published in *The Archives of Clinical Neuropsychology*, 24, 487-488.
- Denney, R., Boone, K., & Youngjohn, J.R. (2010). Forensic Grand Rounds. Invited discussants for the annual conference of the National Academy of Neuropsychology, Vancouver, British Columbia.