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Geriatric Research Education & Clinical Center, and  
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**Education & Degrees Obtained**

- 1987            Doctor of Philosophy (Ph.D.), Communication Science and Disorders,  
University of Pittsburgh, Pittsburgh, Pennsylvania
- 1980            Master of Arts (M.A.), Speech/Language Pathology, University of Pittsburgh,  
Pittsburgh, Pennsylvania.
- 1977            Bachelor of Arts (B.A.) Speech and Hearing Science, University of Pittsburgh,  
Pittsburgh, Pennsylvania.

**Current Professional Positions**

- 2002-           Associate Director for Research, Geriatric Research Education & Clinical  
Center (GRECC), VA Pittsburgh Healthcare System
- 1998-           Associate Professor, Department of Communication Science and Disorders,  
University of Pittsburgh, School of Health & Rehabilitation Sciences.

1997- Director, Audiology/Speech Pathology Service, VA Pittsburgh Healthcare System

### **Previous Professional Positions**

2004 Acting Director, Geriatric Research Education & Clinical Center (GRECC)  
VA Pittsburgh Healthcare System

2000-2002 Director, Rehabilitation Research Core, Geriatric Research Education and  
Clinical Center (GRECC), VA Pittsburgh Healthcare System.

1999-2000 Visiting Project Scientist, Assessment, Classification & Epidemiology Unit,  
World Health Organization Headquarters, Geneva, CH.

1994-97 Chief, Audiology/Speech Pathology Service, DVA Medical Center,  
7180 Highland Drive, Pittsburgh, Pennsylvania.

1989-97 Assistant Professor, Department of Communication Science and Disorders,  
University of Pittsburgh, School of Health & Rehabilitation Sciences.

1985-99 Director, Aphasia Rehabilitation Research Laboratory and Clinics  
VA Pittsburgh Healthcare System, Pittsburgh, Pennsylvania.

1982-88 Clinical Instructor, Department of Communication Science and Disorders,  
University of Pittsburgh, School of Health & Rehabilitation Sciences.

1980-85 Speech/Language Pathologist, DVA Medical Center, 7180 Highland Drive,  
Pittsburgh, Pennsylvania.

1979-80 Speech Language Pathologist, South Hills Home Health Care Agency,  
Pittsburgh, Pennsylvania.

### **Active Research**

1. Responsiveness, stability, and validity of patient-reported outcomes in aphasia. William Hula, PI, Patrick Doyle, Co-I. VARR&D Merit Review I01RX001963-01. Funded October 1, 2015 to September 30, 2019 for \$1,089,951
2. Language Connectivity Pathways and Neuroplasticity in Aphasic Stroke Patients. Juan Fernandez-Miranda, M.D. and William Hula, Ph.D., PIs. Patrick J. Doyle, Michael W. Dickey Co-Is. NIH R01 Award DC013803-01A1. Funded July 1, 2015 to June 2019 for \$1,783,856.
3. Effect of Intensity of Treatment on Rehabilitation of Acquired Apraxia of Speech. Julie Wambaugh, Ph.D. PI, Patrick J. Doyle, Ph.D. Site PI, Pittsburgh. Department of Veterans Affairs Rehabilitation Research & Development Service Merit Review Project #C1782R. Funding July 1, 2015 to June 2019 for \$1,090,500.

4. Dosage and Predictors of Naming Treatment Response in Aphasia. Michael W. Dickey, Ph.D and Patrick J. Doyle, Ph.D., Co-Principal Investigators. Department of Veterans Affairs Rehabilitation Research & Development Service Merit Review Project #00832-R. Funded October 2013 to September 2017 for \$1,096,100.
5. Cyber-Enabled Neuropsychological Self-assessment (CENSA) in Stroke Research. Fiez, J., PI; Dickey, M.W., Doyle, P.J. and McCue, M., Co-investigators. Total budget: \$68,182. American Heart Association 14IRG19040006. 2015-2017.

### **Funded Research (Completed)**

1. Communication Outcome Measurement in Aphasia. William D. Hula, PI., Patrick J. Doyle, Ph.D., Mentor. Department of Veterans Affairs Rehabilitation Research & Development Career Development Award II, Project #7476W. Funded October 2011 to September 2015 for \$856,200.
2. Communicative Functioning in Neurogenic Speech and Language Disorders II. Patrick J. Doyle Ph.D., Principle Investigator. Department of Veterans Affairs Rehabilitation Research & Development Service Merit Review Project # C6098R. Funded July 2008 to June 2012 for \$869,525.
3. Communicative Functioning in Neurogenic Speech and Language Disorders. Patrick J. Doyle Ph.D., Principle Investigator. Department of Veterans Affairs Rehabilitation Research & Development Service Pilot Project C4134P. Funded April 1, 2006 to March 2007 for \$50,000.
4. Biofeedback Treatment of Apraxia of Speech following Stroke. Malcolm R. McNeil, PI. Patrick J. Doyle, Ph.D. Co-Investigator. Department of Veterans Affairs Rehabilitation Research & Development Service Merit Review Project B3670R. Funded July 1, 2005 to June 30, 2008 for \$590,800.
5. Cognitive and Linguistic Mechanisms of Language Performance. Malcolm R. McNeil, Ph.D. and Patrick J. Doyle, Ph.D. Co-Principal Investigators. Department of Veterans Affairs Rehabilitation Research & Development Service Merit Review Project C3159R. Funded April, 2004, to March, 2007 for \$508,200.
6. The Effects of Sensory Hearing Loss on Auditory Language Processing in Aphasia. Sheila Pratt, Ph.D., PI, Malcolm McNeil and Patrick J. Doyle, Ph.D., Co-Investigators. Department of Veterans Affairs Rehabilitation Research & Development Service Merit Review Project C3118RA. Funded April 2004, to March, 2007 for \$564,530.
7. The Effects of Practice with Feedback on Aging Voice Motor Control & Learning. Kim Steinhaurer and Patrick J. Doyle, Ph.D., Co-Principal Investigators. Department of Veterans Affairs Rehabilitation Research & Development Service Merit Review. Funded April, 2003 to March, 2006 for \$391,160.

8. Word Finding Treatments for Aphasia: Discourse and Lexical Form Effects. Julie Wambaugh, Ph.D. & Patrick J. Doyle, Ph.D., Co-Principal Investigators. Department of Veterans Affairs Rehabilitation Research & Development Service Merit Review Competing Continuation Application. Funded April, 2002 to March, 2005 for \$557,400.
9. Quantifying and Predicting Quality of Life Outcomes in Stroke Survivors: Patrick J. Doyle, Ph.D. Principal Investigator. Department of Veterans Affairs Rehabilitation Research & Development Service Merit Review Project #C2386R. Funded April, 2001 to March, 2004 for \$901,000.
10. Functioning, Disability & Quality of Life in the Adult Hearing Impaired: Harvey Abrams, Ph.D. & Patrick J. Doyle, Ph.D., Co-Principal Investigators. Department of Veterans Affairs Rehabilitation Research & Development Service Merit Review Project #C2439R. Funded July, 2001 to June, 2004 for \$783,775.
11. Coordination of Breathing and Swallowing in Neurological and Respiratory Disease: Roxann Diez Gross, Ph.D. and Patrick J. Doyle, Ph.D., Co-Principal Investigators. Department of Veterans Affairs Rehabilitation Research & Development Service Merit Review Project #B2564R. Funded July, 2001 to June, 2004 for \$338,400.
12. Quantifying Spoken Language Handicap in Aphasia II: Malcolm R. McNeil, Ph.D., & Patrick J. Doyle, Ph.D., Co-Principal Investigators. Department of Veterans Affairs Rehabilitation Research and Development Service Competing Continuation Award #C894-2RA. Funded April, 2000 to March, 2003 for \$338,000.00.
13. Conceptual Development of a Quality of Life Assessment Instrument for Stroke Survivors. Patrick J. Doyle, Ph.D., Principal Investigator. Department of Veterans Affairs Rehabilitation Research & Development Service Project #C2118PA. Funded October, 1999 to September, 2000 for \$50,000.
14. Quantifying Disablement and Health Related Quality of Life in Stroke Survivors. Patrick J. Doyle, Ph.D., Principal Investigator. Department of Veterans Affairs Rehabilitation Research & Development Career Development Enhancement (CDEA) Award #C0924-CD. Funded October, 1999 to September, 2000 for \$105,000.
15. Evaluation of Deficit Oriented Treatments for Aphasic Naming Disorders. Julie L. Wambaugh, Ph.D. and Patrick J. Doyle, Ph.D., Co-Principal Investigators. Department of Veterans Affairs Rehabilitation Research and Development Service Merit Review Project #C2222RA. Funded April, 1998 to March, 2001 for \$375,000.
16. Quantifying Spoken Language Handicap in Aphasia: Malcolm R. McNeil, Ph.D., & Patrick J. Doyle, Ph.D., Co-Principal Investigators. Department of Veterans Affairs Rehabilitation Research and Development Service Merit Review Project #C894-2RA. Funded July, 1996 to September, 1999 for \$380,000.00
17. Analysis and Treatment of Apraxic Sound Errors: Julie L. Wambaugh, & Patrick J. Doyle, Ph.D., Co-Principal Investigators. Department of Veterans Affairs Rehabilitation

Research and Development Service Competing Continuation Award, funded October, 1995 to September, 1998 for \$380,000.00.

18. Promoting Generalized Language Use: An Analysis of Treatment and Subject Variables: Patrick J. Doyle, Ph.D., Principal Investigator. Department of Veterans Affairs Rehabilitation Research and Development Service Competing Continuation Award, funded October, 1992 to September, 1995 for \$480,400.00.
19. An Analysis of a Treatment for Apraxia of Speech in Adults with Aphasia: Julie L. Wambaugh, Ph.D. & Patrick J. Doyle, Ph.D., Co-Principal Investigators Department of Veterans Affairs, Rehabilitation Research and Development Service Merit Review Award, funded April 1992 to July 1995 for \$390,000.00.
20. Promoting Generalized Language Use: An Analysis of Treatment and Subject Variables: Patrick J. Doyle, Ph.D., Principal Investigator. Department of Veterans Affairs, Rehabilitation Research and Development Service Competing Continuation Award, funded July 1989 to June 1992 for \$460,000.00.
21. Promoting Generalized Language Use: An Analysis of Treatment Strategies: Patrick J. Doyle, Ph.D., Principal Investigator. Department of Veterans Affairs, Rehabilitation Research and Development Service Merit Review Award, funded April 1985 to June 1989 for \$225,000.00.
22. Experimental Analysis of Acquisition and Generalization of Syntax: Principal Investigator, Patrick J. Doyle, Ph.D. Department of Veterans Affairs, Rehabilitation Research and Development Service Merit Review Award funded April, 1984 to March, 1985 for \$38,000.00.

#### **Manuscripts in Peer-Reviewed Literature:**

1. Durisko, C., McCue, M., Doyle, P.J., Dickey, M.W, Fiez, J.A. (2016). A Flexible and Integrated System for the Remote Acquisition of Neuropsychological Data in Stroke Research. *Telemedicine and e-Health*. Telemedicine and e-Health. May 2016, ahead of print. doi:10.1089/tmj.2015.0235.
2. Hula, W.D., Doyle, P.J., Stone, C.A., Austermann Hula, S.N., Kellough, S., Wambaugh, J.L., Ross, K.B., Schumacher, J.G., St. Jacques, A. (2015). The Aphasia Communication Outcome Measure (ACOM): Dimensionality, Item Bank Calibration, and Initial Validation. *Journal of Speech Language and Hearing Research*, DOI: 10.1044/2015.
3. Hula, W.D., Fergadiotis, G. & Doyle, P.J. (2014). A core outcome set for aphasia treatment research: Obstacles, risks, and benefits, *Aphasiology*, 28:11,1396-1399, DOI: 10.1080/02687038.2014.930264.
4. Winans-Mitrik, R.L., Hula, W.D., Dickey, M.W., Schumacher, J.G., Swoyer, B., & Doyle P.J. (2014). Description of an intensive residential aphasia treatment program: Rationale,

clinical processes, and outcomes. *American Journal of Speech Language Pathology*; 13, S1-13.

5. Doyle, P.J., Hula, W.D., Austermann Hula, S.N., Stone, C.A., Wambaugh, J.L., Ross, K.B., Schumacher, J.G. (2013). Self and surrogate-reported communication functioning in aphasia. *Quality of Life Research*, 22, 957-967.
6. Sung, E.J., McNeil, M.R., Pratt, S.R., Dickey, M.W., Fassbinder, W., Szuminsky, N.J., Kim, A., & Doyle, P.J. (2011). Real-time processing in reading sentence comprehension for normal adult individuals and persons with aphasia. *Aphasiology*, 25, 57-70
7. Baylor, C., Hula, W.D., Donovan, N.J., Doyle, P.J., Kendall, D., Yorkston, K. (2011). An Introduction to Item Response Theory and Rasch Models for Speech-Language Pathologists. *American Journal of Speech Language Pathology*; 20, 243-259.
8. Hula, W.D., Doyle, P.J., & Austermann Hula, S.N. (2010). Patient-reported cognitive and communicative functioning: One construct or two? *Archives of Physical Medicine and Rehabilitation*, 91, 400-406.
9. Hula, W.D., and Doyle, P.J. (2009) New Approaches to Understanding and Treating Aphasia. *The Federal Practitioner*, 26, 35-40.
10. Hula, W.D., Austerman-Hula, S.N. & Doyle, P.J. (2009). A preliminary evaluation of the reliability and validity of a self-reported communicative functioning item pool. *Aphasiology*, 23, 783-796.
11. Sung, J.E., McNeil, M.R., Pratt, S.R., Dickey, M.W., Hula, W.D., Szuminsky, N.J., & Doyle, P.J. (2009). Verbal working memory and its relation to sentence-level reading and listening comprehension in persons with aphasia. *Aphasiology*, 23, 1040-1052.
12. Doyle, P.J., McNeil, M.R., Le, K., Hula, W.D. (2008). Measuring communicative functioning in community-dwelling stroke survivors: Conceptual foundation and item development. *Aphasiology*, 22, 718-728
13. Ross KB and Doyle PJ. (2008). Measuring change using communication rating scales: The case for Rasch analysis as illustrated with the ASHA FACS. *Journal of Medical Speech-Language Pathology*, 16, 9-12.
14. Gross, R.D., Atwood, C.W., Ross, S.B., Eichhorn, K.A., Olszewski, J.W., Doyle, P.J. (2008). The coordination of breathing and swallowing in Parkinson's Disease. *Dysphagia*, 23, 136-145.
15. Doyle, P.J., McNeil, M.R., Bost, J.E., Ross, K.B., Wambaugh, J.L., Hula, W.D., Mikolic, J.M. (2007). The Burden of Stroke Scale (BOSS) provided reliable and responsive score estimates of functioning and well-being during the first year of recovery from stroke. *Quality of Life Research*, 16, 1389-1398.

16. Eberwein, C.A., Pratt, S.R., McNeil, M.R., Fossett, T.D.R., Szuminsky, N.J. M., Doyle, P.J., (2007). Auditory Performance Characteristics of the Computerized Revised Token Test (C-RTT). Journal of Speech Language and Hearing Research, 50, 855-867.
17. McNeil, M.R., Sung, J.E., Yang, D., Pratt, S.R., Fossett, T. R.D., Pavelko, S. & Doyle, P.J. (2007) Comparing connected language elicitation procedures in persons with aphasia: Concurrent validation of the Story Retell Procedure. Aphasiology, 21, 775-790.
18. Hula, W.D., Doyle, P.J., McNeil, M.R., Mikolic, J.M. (2006). Rasch Modeling of Revised Token Test Performance: Validity and Sensitivity to Change. Journal of Speech-Language and Hearing Research, 49, 27-46.
19. Doyle, P.J., Matthews, C.T. Mikolic, J.M., Hula, W.D. McNeil, M.R. (2006). Do measures of language impairment predict patient-reported communication difficulty and associated psychological distress as measured by the Burden of Stroke Scale. Aphasiology, 20, 349-361.
20. McNeil, M.R., Matthews, C.T., Hula, W.D., Doyle, P.J., Fossett, T.R.D. (2006). Effects of visual-manual tracking under dual task conditions on auditory language comprehension and story retelling in persons with Aphasia. Aphasiology, 20, 1-8.
21. Doyle, P. J. (2005). Advancing the development and understanding of patient-based outcomes in persons with aphasia. Perspectives on Neurophysiology and Neurogenic Speech and Language Disorders, 15, 7-11.
22. Doyle, P.J., Hula, W.D., McNeil, M.R., Mikolic, J.M., Matthews, C.T. (2005). An application of Rasch analysis to the measurement of communicative functioning. Journal of Speech-Language and Hearing Research, 48, 1412-1428.
23. Chisolm, T.H., Abrams, H.B., McArdle, R., Wilson, R.H., Doyle, P.J. (2005). Application of the WHO-DAS II to hearing-aid intervention: Psychometric properties in adults with hearing loss. Trends in Amplification, 9, 111-126.
24. Chisolm, T.H., Abrams, H.B., McArdle, R., Wilson, R.H., Doyle, P.J. (2005). Application of the WHO-DAS II to hearing-aid intervention: Measuring Outcomes. Trends in Amplification, 9, 127-143.
25. McNeil, M.R., Matthews, C.T., Hula, W.D., Doyle, P.J., Rubinsky, H.J. Fossett, T.R.D, (2005). A Dual-Task Tool for Quantifying Comprehension of Aphasic Connected Speech Production: A Constructive Replication. Aphasiology, 19, 473-484
26. Doyle, P.J., McNeil, M.R., Mikolic, J.M., Prieto, L.R., Hula, W.D., Lustig, A.P., Ross, K., Wambaugh, J.L., Gonzalez-Rothi, L.J., Elman, R.J. (2004). The Burden of Stroke Scale (BOSS) provided reliable and valid score estimates of functioning and well-being in stroke survivors with and without communication disorders. Journal of Clinical Epidemiology, 57, 997-1007.

27. McNeil, M.R., Hula, W.D., Matthews, C.T., Doyle, P.D., Fossett, T.R.D. (2004). Auditory comprehension and visual-manual tracking dual-task performance in aphasia: Preliminary findings. Brain & Language, 91, 31-32
28. McNeil, M.R., Hula, W.D., Matthews, C.T. Doyle, P.J. (2004). Resource theory and aphasia: A fugacious theoretical dismissal. Aphasiology, 18, 836-839.
29. Fossett, T.R.D, McNeil, M.R., Doyle, P.J., Rubinsky, H.J., Nixon, S., **Hula**, W.D., Brady, J. (2004). Assessing the validity of multiple-choice questions for RAPP story comprehension. Aphasiology, 18, 493-520.
30. McNeil, M.R., Doyle, P.J., Hula, W.D., Rubinsky, H.J., Fossett, T.R.D., Matthews, C.T. (2004). Using resource allocation theory and dual task methods to increase the sensitivity of assessment in aphasia. Aphasiology, 18, 521-542.
31. Hula, W.D., McNeil, M.R., Doyle, P.J., Rubinsky, H.J., Fossett, T.R.D. (2003). The inter-rater reliability of the story retell procedure. Aphasiology, 17, 523-528.
32. Brodsky, M.B., McNeil, M.R., Doyle, P.J., Park, G.H., Fossett, T.R., Timm, N.H. (2003). Auditory serial position effects in story retelling for non-brain-injured participants and persons with aphasia. Journal of Speech, Language and Hearing Research. 46, 1124-1137.
33. Doyle, P.J., McNeil, M.R., Hula, W.D. and Mikolic, J.M. (2003). The Burden of Stroke Scale: Validating Patient-Reported Communication Difficulty and Associated Psychological Distress in Stroke Survivors. Aphasiology 17, 291-304.
34. Doyle, P.J. (2002). Measuring health outcomes in stroke survivors. Archives of Physical Medicine and Rehabilitation, 83, 2, S29-43.
35. Park, G.H., McNeil, M.R., & Doyle, P.D., (2002). Lexical Activation Rate of Closed-Class Elements During Auditory Sentence Comprehension in Adults with Aphasia. Aphasiology 16, 801-814.
36. McNeil, M.R., Doyle, P.D., Park, G.H., Fossett, T.R. & Brodsky, M.B. (2002). Increasing the Sensitivity of the Story Retell Procedure for the Discrimination of Normal Elderly Subjects from Persons with Aphasia, Aphasiology 16, 815-822.
37. Wambaugh, J.L., Doyle, P.J., Martinez, A.L. & Kalinyak-Fliszar, M. (2002). Effects of Two Lexical Retrieval Cueing Treatments on Action Naming in Aphasia. Journal of Rehabilitation Research & Development, 39, 455-466.
38. McNeil, M.R., Doyle, P.J., Fossett, T.R.D., Park, G., & Goda, A.J. (2001). Reliability and Concurrent Validity of the Information Unit Scoring Metric for the RAPP Story Retelling Procedure. Aphasiology 15, 991-1006.



39. Wambaugh, J.L., Linebaugh, C.W., Doyle, P.J., Martinez, A.L., Kalinyak-Fliszar, M., Spencer, K.A. (2001) Effects of two cueing treatments on lexical retrieval in aphasic speakers with different levels of deficit. Aphasiology, 15, 933-950.
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41. Prieto, L., Epping-Jordan, J.E., Doyle, P.J., Chatterji, S., & Ustun, T.B. (2000). The factor structure of the World Health Organization Disability Assessment Schedule (WHODAS II). Quality of Life Research, 9, 320.
42. Doyle, P.J., McNeil, M.R., Spencer, K.A., Goda, A.J., Park, G, Lustig, A., & Carroll, B. (2000). Linguistic validation of four parallel forms of a story retelling procedure. Aphasiology, 14, 537-549.
43. McNeil, M.R., & Doyle, P.J. (2000). Reconsidering the hegemony of linguistic explanations in aphasia: The challenge for the beginning of the millennium. Brain & Language, 71, 154-156.
44. Spencer, K.A., Doyle, P.J., McNeil, M.R., Wambaugh, J.L., Carrol, B., and Park, G. (2000). Examining the facilitative effects of rhyme in a patient with output lexicon damage. Aphasiology, 14, 567-584.
45. Wambaugh, J.L., Linebaugh, C.W., Doyle, P.J., Spencer, K.A., & Kalinyak-Fliszar, M. (1999). Effects of deficit-oriented treatments on lexical retrieval in a patient with semantic and phonologic deficits. Brain and Language.
46. Doyle, P.J., Spencer, K.A., McNeil, M.R., Wambaugh, J.L., Carrol, B., and Park, G. (1998). Accessing the phonological lexicon: Generalized responding in a patient with lexical-form dysnomia. Brain & Language, 65, 191-195.
47. Doyle, P.J., McNeil, M.R., Goda, A.J., Spencer, K.A., Cottrell, K., & Lustig, A. (1998). The effects of concurrent picture presentation on retelling of orally-presented stories by adults with aphasia. Aphasiology, 12, 561-574.
48. McNeil, M.R., Doyle, P.J., Spencer, K., Goda, A.J., Flores, D. (1998). Effects of training multiple form classes on acquisition, generalization and maintenance of word retrieval in a single subject. Aphasiology, 12, 575-585.
49. Wambaugh, J.L., West, J.E., Doyle, P.D, (1998). Treatment for AOS : Effects of targeting sound groups. Aphasiology, 12, 731-743.
50. Wambaugh, J.L., Fliszar, M.M., West, J.E., & Doyle, P.J. (1998). Effects of treatment for sound errors in apraxia of speech and aphasia. Journal of Speech-Language Hearing Research, 41, 725-743.

51. McNeil, M.R., Doyle, P.J., Small, S., Spencer, K., Jackson-Goda, A., & Flores, D. (1997). A double blind, placebo controlled study of pharmacological and behavioral treatment of lexical semantic deficits in aphasia. Aphasiology, 11, 385-400.
52. Wambaugh, J.L., West, J.E., & Doyle, P.J. (1997). A VOT analysis of apraxic/aphasic voicing errors. Aphasiology, 11, 521-532.
53. Doyle, P.J., Tsironas, D., Goda, A.J., and Kalinyak, M. (1996). The relation between objective measures and listeners' judgments of the communicative informativeness of aphasic adults' connected discourse. American Journal of Speech Language Pathology, 5, 53-60.
54. Wambaugh, J.L., Doyle, P.J., Kalinyak, M. and West, J. (1996a). A critical review of acoustic analyses of aphasic and/or apraxic speech. Clinical Aphasiology, 24, 35-63.
55. Wambaugh, J.L., Doyle, P.J., Kalinyak, M. and West, J. (1996b). A minimal contrast treatment for apraxia of speech. Clinical Aphasiology, 24, 97-108.
56. Doyle, P.J., Goda, A.J., & Spencer, K.A., (1995). The communicative informativeness of aphasic adults' connected discourse under structured and conversational sampling conditions. American Journal of Speech Language Pathology, 4, 130-134.
57. Wambaugh, J.L., Doyle, P.J., West, J., Kalinyak, M. (1995). Spectral analysis of sound errors in persons with aphasia and apraxia of speech. American Journal of Speech Language Pathology, 4, 186-192.
58. Doyle, P.J., Thompson, C.K., Oleyar, K.S., Wambaugh, J.L., and Jackson, A.V. (1994). The effects of setting variables on conversational discourse in normal and aphasic adults. Clinical Aphasiology, 22, 135-144.
59. Wambaugh, J.L., and Doyle, P.J. (1994). Treatment for apraxia of speech: A review of efficacy reports. Clinical Aphasiology, 22, 231-243.
60. Doyle, P.J., Nakles, K.O., and Goldstein, H. (1991). Facilitating functional conversational skills in aphasia: An experimental analysis of a generalization training procedure. Clinical Aphasiology, 19, 229-241.
61. Oleyar, K., Doyle, P.J., and Goldstein, H. (1991). The effects of a time delay procedure on comprehension of verb-noun commands in severe aphasia. Clinical Aphasiology 20 271-284.
62. Wambaugh, J.L., Thompson, C.K., Doyle, P.J., and Camarata, S. (1991). Conversational discourse of aphasic and normal adults: An analysis of communicative functions. Clinical Aphasiology, 20, 343-353.

63. Doyle, P.J., Goldstein, H., Bourgeois, M., and Oleyar Nakles, K. (1989). Facilitating generalized requesting behavior in Broca's aphasia: An experimental analysis of a generalization training procedure. Journal of Applied Behavior Analysis, 22, 157-170.
64. Doyle, P.J., Goldstein, H., and Bourgeois, M. (1987). Experimental analysis of syntax training in Broca's aphasia: A generalization and social validation study. Journal of Speech and Hearing Disorders, 52, 143-155.
65. Doyle, P.J., and Bourgeois, M. (1986). The effect of syntax training on "adequacy" of communication in Broca's aphasia: A social validation study. In R.H. Brookshire (Ed.), Clinical Aphasiology (pp. 123-131). Minneapolis, MN: BRK Publishers.
66. Doyle, P.J. and Goldstein, H. (1985). Experimental analysis of acquisition and generalization of syntax in Broca's aphasia. In R.H. Brookshire (Ed.), Clinical Aphasiology (pp. 205-213). Minneapolis, MN: BRK Publishers.
67. Doyle, P.J. and Holland, A.L. (1984). Long term survival characteristics in stroke induced aphasia. In R.H. Brookshire (Ed.) Clinical Aphasiology (pp. 262-268). Minneapolis, MN: BRK Publishers.
68. Doyle, P.J. and Holland, A.L. (1982). Clinical management of a patient with pure word deafness. In R.H. Brookshire (Ed.) Clinical Aphasiology (138-146). Minneapolis, MN: BRK Publishers.

### **Book Chapters**

1. Doyle, P.J., & McNeil, M.R. (2003). Treatment for Apraxia of Speech. In R.D. Kent (Ed) MIT Encyclopedia of Communication Disorders (pp. 104-107) MIT Press, Boston.
2. McNeil, M.R., & Doyle, P.J. (2003) Apraxia of Speech: Nature and Phenomenology. In R.D. Kent (Ed) MIT Encyclopedia of Communication Disorders (pp. 101-103) MIT Press, Boston.
3. McNeil, M.R., Doyle, P.J., & Wambaugh, J.L. (2000). Acquired Apraxia of speech. In L. Gonzalez-Rothi, L. Crosson, and S. Nadeau (Eds.) Aphasia and language: Theory to practice (pp. 221-266), Guilford Pub. Inc.
4. Doyle, P.J. (1998). Rehabilitation assessment and planning for neurogenic communication disorders. In G. Goldstein & S. Bears (Eds.), Handbook of Human Brain Function (pp. 59-67) New York: Plenum Publishing Corporation.

### **Professional Presentations**

1. Gravier, M., Dickey, M., Hula, W., Doyle, P., & Evans, W. (2016, May 26). What matters in SFA: practice-related predictors of treatment response in aphasia. Paper to be presented to the 46th annual Clinical Aphasiology Conference, Charlottesville, VA.

2. Dickey, M., Doyle, P., Gravier, M., & Hula, W. (2016, May 27). Psycholinguistic predictors of treatment response in semantic feature analysis. Paper to be presented to the 46th annual Clinical Aphasiology Conference, Charlottesville, VA.
3. Hula, W.D., Kellough, S., Austermann Hula, S., & Doyle, P.J. (November, 2015). Measuring Patient-Reported Aphasia Rehabilitation Outcomes with the Aphasia Communication Outcome Measure. Paper presented at the Annual Meeting of the American Speech Language and Hearing Association, Denver, CO.
4. Hula, W.D., Kellough, S., & Doyle, P.D. (May 2015). Reliability and validity of adaptive and static short forms of the Aphasia Communication Outcome Measure. Paper presented at the Clinical Aphasiology Conference, Monterey, CA
5. Dickey, M.W., Friedman, B., Hula, W.D., & Doyle, P.J. (May 2015). A comparison of naming treatment response in 2 PWA with unique linguistic, cognitive, and neuropathological profiles. Round Table Presentation at Clinical Aphasiology Conference, Monterey, CA.
6. Hula, W. D., Austermann Hula, S. N., & Doyle, P. J. (May 2015). Validity evidence for the Aphasia Communication Outcome Measure based on convergent and discriminant correlations. Poster presented at the Clinical Aphasiology Conference, Monterey, CA.
7. Hula, W.D., Fernandez-Miranda, J.C., Dickey, M.W., Pathak, S., Chang, Y.F., McNeil, M.R., & Doyle, P.J. (October 5, 2014). White matter correlates of lexical access in aphasia. Presentation to the 52<sup>nd</sup> annual meeting of the Academy of Aphasia, Miami, FL.
8. Hula, W.D. & Doyle, P.J. (November 16, 2013). Measuring patient- and surrogate-reported communicative functioning in aphasia: The aphasia communication outcome measure. Presented to the Annual Convention of the American Speech-Language-Hearing Association, Chicago, IL.
9. Winans-Mitrik, R.L., Hula, W.D., Dickey, M.W., Schumacher, J.G., Swoyer, B., & Doyle, P.J. (June 1, 2013). Description of an intensive residential aphasia treatment program: Rationale, clinical processes, and outcomes. Presented to the Clinical Aphasiology Conference, Tucson, AZ.
10. Kellough, S., Hula, W.D., & Doyle, P.J. (May 31, 2013). Development and simulation testing of a computerized adaptive measure of communicative functioning in aphasia. Presented to the Clinical Aphasiology Conference, Tucson, AZ.
11. Doyle, P.J., Hula, W.D., Austermann Hula, S.N., Stone, C.A., Ross, K., Wambaugh, J., Schumacher, J., & Roehrig, A. (May 22, 2012). The Aphasia Communication Outcome Measure: Item Reduction, Scaling, and Concurrent Validity of Self-Reported Communicative Functioning in Aphasia. Platform presentation to the Clinical Aphasiology Conference, Lake Tahoe, CA.
12. Winans, R., Hula, W.D., Friedman, B., Sperl, A., Swoyer, B. & Doyle, P.J. (May 22, 2012). Treatment of Working Memory in a Patient with Moderate Aphasia. Poster presented to the Clinical Aphasiology Conference, Lake Tahoe, CA.
13. Swoyer, B., Winans, R., Hula, W.D., Dickey, M.W., & Doyle, P.J. (March 29, 2012). Program for Intensive Residential Aphasia Treatment and Education (PIRATE):

Phonological and Semantic Treatment Approaches. Presented to the Annual Convention of the Pennsylvania Speech-Language-Hearing Association, Lancaster, PA.

14. Cherney, L.R., Doyle, P.J., Hula, W.D., Lommen, G., Pierson, J.M., Rose, M.L., Worrall, L. & Wozniak, L. (November 18, 2011). Intensive comprehensive aphasia programs (ICAPs): Philosophy, procedures and outcomes. Presented to the Annual Convention of the American Speech-Language-Hearing Association, San Diego, CA.
15. Lim, K.Y., McNeil, M.R., Doyle, P.J., Hula, W.D., Dickey, M. W. (2012, May). Conflict resolution components of executive attention are impaired in persons with aphasia. Poster presented at the 42 Annual Clinical Aphasiology Conferences. Lake Tahoe, CA.
16. Zhang, M., Pratt, S., Kovacyk, K., Doyle, P., McNeil, M., Durrant, J., Ortman A., Roxberg, J. (2011, April). Assessing Speech Recognition Skills in Persons with Aphasia. Poster session presented at the annual meeting of the American Academy of Audiology. Chicago, IL.
17. Jorgensen, L., Eichhorn, K., Pratt, S., Doyle, P. (2011, March). Auditory Neglect. Poster session presented at the annual meeting of the American Auditory Society. Scottsdale, AZ.
18. Hula, W.D., Ross, K., Austermann Hula, S.N., Wambaugh, J., Schumacher, J., & Doyle, P.J. (May 2010). The Aphasia Communication Outcome Measure (ACOM): Toward an Efficient and Valid Measure of Patient-Reported Functioning. Paper presented at the 40<sup>th</sup> Annual Clinical Aphasiology Conference, Isle of Palms SC.
19. Ross, K., Hula, W.D., & Doyle, P.J. (November 19, 2010). Recalibrating the ASHA FACS for measuring outcomes in aphasia. Presented to the Annual Convention of the American Speech-Language-Hearing Association, Philadelphia, PA.
20. Hula, W.D., Ross, K., Austermann Hula, S.N., Wambaugh, J.L., Schumacher, J., & Doyle, P.J. (May 2010). Validity of and Agreement Between Self- and Surrogate-Reported Communicative Functioning in Persons with Aphasia. Presented to the Clinical Aphasiology Conference, Isle of Palms, SC.
21. Doyle, P.J. (June, 2009). Programming generalization of speech and language behaviors in stroke survivors with aphasia. Paper presented at the National Institute of Neurological Disorders and Stroke Workshop on Promoting Generalization in Cognitive Stroke Rehabilitation, Bethesda, MD.
22. Hula, W.D., Austermann Hula, S.N., & Doyle, P.J. (May 28, 2009). Patient-reported cognitive and communicative functioning: One construct or two? Presented to the 2009 Clinical Aphasiology Conference, Keystone, CO.
23. McNeil, M.R., Sung, J.E., Pratt, S.R., Szuminsky, N., Kim, A., Ventura, M., Fossett, T.R.D., Doyle, P.J., (October, 2008). Online sentence reading effects in normal individuals and persons with aphasia. Paper presented at the Academy of Aphasia, Turku, Finland.

24. McNeil, M.R., Fossett, T.R.D., Katz, W.F., Garst, D., Carter, G., Szuminsky, N., Lim, K.Y., Doyle, P.J. (October, 2008). The effect of auditory and kinematic feedback on the treatment of apraxia of speech (AOS) in two adults with AOS and aphasia. Paper Presented at the Annual Meeting of the Academy of Aphasia, Turku, Finland
25. Hula, W.D., Austerman Hula, S.N., Doyle, P.J., (May 2008). Reliability and Construct Validity of a Self-Reported Communicative Functioning Item Pool. Presented at the 38<sup>th</sup> Annual Clinical Aphasiology Conference, Jackson, WY.
26. McNeil, M.R., Sung, J.E., Pratt, S., Szuminsky, N., Kim, A., Ventura, M., Fassbinder, W., Fossett, T.R.D., Doyle, P.J., & Musson, N. (May 2008) Concurrent validation of the Computerized Revised Token Test (CRTT) and three experimental reading versions (CRTT-R) in normal elderly individuals and persons with aphasia, presented at the 38<sup>th</sup> Annual Clinical Aphasiology Conference, Jackson, WY
27. McNeil, M.R., Pratt, S.R., Sung, J.E., Szuminsky, N., Ventura, M., Kim, A., Fossett, T.R.D., Doyle, P.J., Musson, N. (May, 2008). Test-retest reliability of the auditory *Computerized Revised Token Test (CRTT)* and three experimental reading (*CRTT-R*) versions in normal elderly individuals and persons with aphasia. Presented at the 38<sup>th</sup> Annual Clinical Aphasiology Conference, Jackson WY.
28. Sung J.E., Dickey, M.W., McNeil, M.R., Hula, W.D., Pratt, S.R., Ventura, M., Szuminsky, N., Kim, A., Fossett, T.R.D., Doyle, P.J. (May 2008). Relationships between Working Memory Capacity and Listening/Reading Sentence Comprehension in Aphasia. Presented at the 38<sup>th</sup> Annual Clinical Aphasiology Conference, Jackson WY.
29. Fossett, T.R.D., McNeil, M.R., Katz, W.F., Garst, D., Doyle, P.J., Szuminsky, N.J., Carter, G. (March, 2008). Online auditory and kinematic feedback in a sound production treatment. Presented at the Annual Motor Speech Disorders Conference, Monterey, CA
30. Durrant, J.D., Ortman A., McNeil, M.R., Pratt S., Roxberg, J., Doyle, P.J. (March 2008). Auditory Evoked Responses in Aging Subjects with and without Aphasia. Presented at the Annual Meeting of the American Auditory Society, Scottsdale AZ
31. Sung, J.E., McNeil, M.R., Hula, W.D., Fossett, T.R.D., Matthews, C.T., Szuminsky, N., Scott, G., & Doyle, P.J. (November, 2007) "Evidence for resource sharing in the PRP dual-task paradigm", presented at the *American Speech Language Hearing Association conference*, Boston, MA
32. Eberwein, C., Pratt, S., McNeil, M., Roxberg, J., Ortmann, A., Szuminsky, N., & Doyle, P. (2007, July). Determining the impact of audibility on auditory language processing in older adults. Presented at the 5th Asia Pacific Conference on Speech, Language, and Hearing, Brisbane, Australia.
33. Hula, W.D., Gilbert, S. McNeil, M.R., Sung, J.E., Szuminsky, N., Fossett, T.R.D., Matthews, C.T., & Doyle, P.J. (2007). Dual-task lexical processing in the psychological

refractory period method: Evidence for capacity sharing. Poster presented to the 37<sup>th</sup> Annual Clinical Aphasiology Conference, Scottsdale, AZ.

34. Doyle, P.J., McNeil, M.R., Le, K. Hula, W.D. (June 2007). Measuring communicative functioning in neurogenic communication disorders. Conceptual foundation and item development. Poster presented at the 37<sup>th</sup> Annual Clinical Aphasiology Conference, Scottsdale AZ.
35. McNeil, M.R., Fossett, T.R.D., Katz, W., Garst, D., Carter, G., Szuminsky, N. Doyle, P.J. (June 2007). Lingual kinematic feedback with constant practice for the treatment of apraxia of speech. Paper presented at the 37<sup>th</sup> Annual Clinical Aphasiology Conference, Scottsdale, AZ.
36. Ross, K.B., LaPointe, L.L., Katz, R. C., Doyle, P.J., Wertz, R.T., (October, 2006). Loneliness in Aphasia. Paper presented at the International Society of Quality of Life Research. Lisbon, Portugal.
37. Doyle, P.J., McNeil, M.R., Hula, W.D., Bost, J.E., Ross, K.B. (October, 2006). The reliability and responsiveness of the Burden of Stroke Scale. Paper presented at the International Society of Quality of Life Research. Lisbon, Portugal.
38. McArdle, R, Wilson, RH, Chisolm, TH, Abrams, HB, & Doyle, P. (October 2006). Outcomes of hearing aid intervention measured by the WHO-DAS II. Paper presented at the International Congress of Audiology, Innsbruck, Austria.
39. Pratt, S.R., Eberwein, C., McNeil, M., Ortmann, A., Roxberg, J., Fossett, T., Szuminsky, N., Durrant, J., & Doyle, P. (June 2006). The Computerized Revised Token Test: Assessing the Impact of Age and Sound Intensity. Presented at the 12<sup>th</sup> International Aphasia Rehabilitation Conference, Sheffield, England, June, 2006.
40. Doyle, P.J., McNeil, M.R., Hula, W.D., Bost, J.E., Ross, K.B. (June, 2006). The reliability and responsiveness of the Burden of Stroke Scale. Presented at the Institute for Rehabilitation Research Day Meeting, Pittsburgh, PA.
41. Malcolm R. McNeil, Jee Eun Sung, Dorothy Yang, Sheila R. Pratt, Stacey Pavelko, Tepanta R.D. Fossett, Brenda Smolky, Patrick J. Doyle. (June, 2006). Comparing connected language elicitation procedures in person with aphasia: Concurrent validation of the story retell procedure. Paper presented at the 36<sup>th</sup> Annual Clinical Aphasiology Conference, Ghent, Belgium.
42. Gross, R., Atwood, C., Ross, S., Eichhorn, K., Olszewski, J., & Doyle, P.J. (November, 2005). Coordination of Breathing and Swallowing in Parkinson's Disease. Poster presentation. ASHA: American Speech Language Hearing Association, San Diego, CA.
43. Doyle, P.J., Hula, W.D., McNeil, M.R., Mikolic, J.M., Matthews, C. (February, 2005). Advancing the measurement of communicative functioning: Rasch modeling and item

banking. Paper presented at the 5<sup>th</sup> Annual Meeting of the Association of VA Speech Language Pathologists, West Palm Beach, FL.

44. Abrams, H., McArdle, R., Hnath Chisolm, T., Doyle, P.J. (August 2004). Functioning, Disability, and Quality of Life in the Adult Hearing Impaired. Poster presented at the International Hearing Aid Research Conference IHCON 2004, Lake Tahoe, CA.
45. Doyle, P.J., Hula, W.D., McNeil, M.R., Mikolic, J.M., Matthews, C. (June, 2004). Rasch measurement of patient-reported communicative functioning: Initial development of an item bank. Paper presented at the 34<sup>th</sup> Annual Clinical Aphasiology Conference, Park City, Utah.
46. Hula, W.D., Doyle, P.J., McNeil, M.R., Mikolic, J.M. (June, 2004). Rasch Modeling of Revised Token Test Performance: Validity and Sensitivity to Change. Poster presented at the 34<sup>th</sup> Annual Clinical Aphasiology Conference, Park City, Utah.
47. Hula, W.D., McNeil, M.R., Doyle, P.J., Durrant, J.D., (April, 2004). Absolute magnitude scaling of autophonic loudness. Paper presented to the 12<sup>th</sup> Biennial Conference on Motor Speech, Albuquerque, NM.
48. Doyle, P.D. (November, 2003). Causal modeling of relationships between emotional well-being, communication impairment, and related participation restrictions. Paper presented at the 10<sup>th</sup> annual meeting of the International Society of Quality of Life Research, Prague, Czech Republic.
49. Doyle, P.D. (November, 2002). The Burden of Stroke Scale: Conceptual and Psychometric Development. Paper Presented at the Annual Meeting of the Academy of Neurogenic Communication Disorders and Sciences. Atlanta, GA.
50. Park, G. H., McNeil, M.R., Doyle, P.D. (October, 2002). Effects of Increased Inter-word Intervals Following Prepositions on Auditory Sentence Comprehension in Adults with Agrammatic Comprehension and Normal Language. Paper presented at the Academy of Aphasia.
51. Doyle, P.D. (July, 2002). The Burden of Stroke Scale: Validating Patient-Reported Communication Difficulty and Associated Psychological Distress in Stroke Survivors. Paper Presented at the Annual Meeting of the Clinical Aphasiology Conference. Branson MO.
52. Doyle, P.D. (February, 2002). The Burden of Stroke Scale: Psychometric Properties. Paper presented at the Annual Meeting of the VA Research and Development Program. Washington, D.C.
53. Doyle, P.D. (November 2001). Measuring Health Outcomes in Stroke Survivors. Paper presented at the Kessler Medical Rehabilitation Research & Education Corporation Conference on Quality of Life Measurement. Parsippany, N.J.



54. Doyle, P.J., McNeil, M.R., Mikolic, J., Prieto, L., Lustig, A., Gonzalez-Rothi, L., Ross, K., Wambaugh, J.L., & Elman, R. (November 2001) The Conceptual and Psychometric Development of a Patient Reported Health Status Instrument for Stroke Survivors. Paper presented at the Annual Meeting of the International Society of Quality of Life Research (ISOQOL). Amsterdam, Netherlands.
55. Doyle, P.J., & Hula, W. (October, 2001) Differential Diagnosis of Neurogenic vs. Psychogenic Speech Production Disorder: A Case Study. Paper presented at the Pittsburgh Aphasia Treatment, Research, Education and Clinical Center (PATREC) Monthly Grand Rounds. Pittsburgh, PA.
56. Doyle, P.J. (April 2001). Functioning & Disability in Stroke Survivors as measured by the World Health Organization Disability Assessment Schedule. Paper presented at the Annual Meeting of the DVA Speech-Language Pathology Association. Tampa, FLA.
57. Doyle, P.D. (February 2001). Measuring Health Outcomes in Stroke Survivors. Paper presented at the VA Pittsburgh Healthcare System GRECC Interdisciplinary Lecture Series. Pittsburgh, PA
58. Park, G.H., McNeil, M.R., & Doyle, P.D., (2001). Lexical Activation Rate of Closed-Class Elements During Auditory Sentence Comprehension in Adults with Aphasia. Paper presented at the Annual Meeting of the Clinical Aphasiology Conference. Santa Fe, N.M.
59. Wambaugh, J.L., Doyle, P.J., Martinez, A.L. & Kalinyak-Fliszar, M. (2001). Effects of Two Lexical Retrieval Cueing Treatments on Action Naming in Aphasia. Paper presented at the Annual Meeting of the Clinical Aphasiology Conference. Santa Fe, N.M.
60. McNeil, M.R., Doyle, P.D., Park, G.H., Fossett, T.R. & Brodsky, M.B. (2001). Increasing the Sensitivity of the Story Retell Procedure for the Discrimination of Normal Elderly Subjects from Persons with Aphasia. Paper presented at the Annual Meeting of the Clinical Aphasiology Conference. Santa Fe, N.M.
61. Wambaugh, J.L., Doyle, P.J., Linebaugh, C.W., Spencer, K.A., & Kalinyak-Fliszar, M. (2001). Effects of Deficit-Oriented Treatments on Lexical Retrieval in a Patient with Semantic and Phonological Deficits. Paper presented at the Annual Meeting of the Clinical Aphasiology Conference. Santa Fe, N.M.
62. Doyle, P.J., Epping-Jordan, J.E., Prieto, L., Chatterji, S., & Ustun, T.B. (November 2000). The World Health Organization Disability Assessment Schedule (WHODAS II): Validation in Stroke Survivors. Paper presented at the Annual Meeting of the International Society of Quality of Life Research (ISOQOL). Vancouver, BC.
63. Brodsky, M.B., McNeil, M.R., Park, G.R., Fossett, T.R., Timm, N.H., Doyle, P.J. (October 2000) Serial-position Effects for Information Unit Production: The Role of Memory in the RAPP Story Retell Procedure for Normals and Persons with Aphasia. Paper presented at the Annual Meeting of the Academy of Aphasia. Montreal, Canada.

64. Wambaugh, J.L., Doyle, P.J., Linebaugh, C.W., Spencer, K.A., & Kalinyak-Flizar, M. (October, 1999). Effects of Deficit-Oriented Treatments on Lexical Retrieval in a Patient with Semantic and Phonological Deficits, Paper Presented at the Annual Meeting of the Academy of Aphasia, Venice, Italy.
65. Doyle, P.J. (July 1999). Rehabilitation Research Program Overview. Presentation, GRECC Internal Advisory Board Conference, Pittsburgh, PA
66. Doyle, P.J. (July 1999) A Critical Examination of Linguistic Explanations of Aphasia. Presentation, GRECC Educational Seminar, Pittsburgh, PA
67. Doyle, P.J. (June 1999). Quantifying Disablement in Stroke Survivors. Paper presented at the DVA Rehabilitation Outcomes Conference, Houston, TX.
68. Doyle, P.J., McNeil, M.R., Spencer, K.A., Goda, A.J., Park, G, Lustig, A., & Carrol, B. (June 1999). Linguistic validation of four parallel forms of a story retelling procedure. Paper presented at the 29 Annual Clinical Aphasiology Conference, Key West, FLA.
69. Spencer, K.A., Doyle, P.J., McNeil, M.R., Carrol, B., and Park, G. (June 1999). Examining the facilitative effects of rhyme in a patient with output lexicon damage. Paper presented at the 29 Annual Clinical Aphasiology Conference, Key West, FLA.
70. Doyle, P.J., Spencer, K.A., McNeil, M.R., Carrol, B., and Park, G. (1998, November). Accessing the phonological lexicon: Generalized responding in a patient with lexical-form dysnomia. Paper presented at the Annual Convention of the Academy of Aphasia, Santa Fe, New Mexico.
71. Wambaugh, J.L., West, J.E., Doyle, P.J., Martinez, A., & Goda, A. (1998, November). Treatment for acquired apraxia of speech: Research findings. Special Session Presented at the Annual Convention of the American Speech, Language and Hearing Association, San Antonio, TX.
72. Doyle, P.J. & McNeil, M.R. (1998, October). Quantifying Spoken Language Handicap in Aphasia. Demonstration Exhibit, First National Meeting of the VA Rehabilitation Research & Development Service, Washington, DC.
73. Doyle, P.J., McNeil, M.R., Goda, A.J., Spencer, K.A., Cottrell, K., & Lustig, A. (1997, June). The effects of concurrent picture presentation on retelling of orally-presented stories by adults with aphasia. Paper presented at the 27th Annual Clinical Aphasiology Conference, Bigfork, Montana.
74. McNeil, M.R., Doyle, P.J., Spencer, K., Goda, A.J., Flores, D. (1997, June). Lexical-semantic activation-inhibition (L-SAIT) Treatment: A single subject multiple baseline study. Paper presented at the 27th Annual Clinical Aphasiology Conference, Bigfork, Montana.

75. Wambaugh, J.L., West, J.E., & Doyle, P.J. (1996, June). A VOT analysis of apraxic/aphasic voicing errors. Paper presented at the 26th Annual Clinical Aphasiology Conference, Newport R.I.
76. McNeil, M.R., Doyle, P.J., Spencer, K.A., Goda, A.J., Flores, D. and Small, S. (1996, June). A double-blind, placebo controlled study of pharmacological and behavioural treatment of lexical semantic deficits in aphasia. Paper presented at the 26th Annual Clinical Aphasiology Conference, Newport R.I.
77. Wambaugh, J.L., Doyle, P.J., Kalinyak, M. and West, J. (1995, June). A critical review of acoustic analyses of aphasic and/or apraxic speech. Paper presented at the 25th Annual Clinical Aphasiology Conference, Sun River, Oregon.
78. Wambaugh, J.L., Doyle, P.J., West, J., Kalinyak, M. (1995, June). Spectral analysis of sound errors in persons with aphasia and apraxia of speech. Paper presented at the 25th Annual Clinical Aphasiology Conference, Sun River, Oregon.
79. Doyle, P.J., Goda, A.J., & Spencer, K.A., & (1995). The communicative informativeness of aphasic adults' connected discourse under structured and conversational sampling conditions. Paper presented at the 25th Annual Clinical Aphasiology Conference, Sun River, Oregon.
80. Doyle, P.J., Tsironas, D., Goda, A.J., and Kalinyak, M. (1994, June). The relation between objective measures and listeners' judgments of the communicative informativeness of aphasic adults' connected discourse. Paper presented at the 24th Annual Clinical Aphasiology Conference, Traverse City MI.
81. Wambaugh, J.L., Doyle, P.J., Kalinyak, M.M., & West, J.W. (1994, November). Stability of voice onset time in normal adult males. Paper Presented at the Annual Convention of the American Speech/Language/Hearing Association, New Orleans.
82. Wambaugh, J.L., Doyle, P.J., Kalinyak, M.M., & West, J.W. (1994, November). Treatment for sound errors in acquired apraxia of speech. Paper presented at the Annual Convention of the American Speech/Language/Hearing Association, New Orleans.
83. Wambaugh, J.L., Doyle, P.J., West, J.E., & Kalinyak, M.M. (1994, November). Spectral analysis of apraxic misarticulations. Paper presented at the Annual Convention of the American Speech/Language/Hearing Association, New Orleans.
84. Wambaugh, J.L., Doyle, P.J., Kalinyak, M. and West, J. (1994, June). A review of acoustic analyses of aphasic and/or apraxic speech. Paper presented at the 24th Annual Clinical Aphasiology Conference, Traverse City MI.
85. Wambaugh, J.L., Doyle, P.J., Kalinyak, M. and West, J. (1994, June). A minimal pairs treatment for apraxia of speech. Paper presented at the 24th Annual Clinical Aphasiology Conference, Traverse City MI.

86. Doyle, P.J., (1993, April). Assessing and treating conversational interaction in the geriatric patient with acquired language disorders. Paper presented at the 1st Annual Appalachian Spring Conference, Mountain Home, TN.
87. Doyle, P.J., Thompson, C.K., Oleyar, K.S., Wambaugh, J.L., and Jackson, A.V. (1992, June) The effects of setting variables on conversational discourse in normal and aphasic adults. Paper presented at the 22nd Annual Clinical Aphasiology Conference, Durango, CO.
88. Wambaugh, J.L., and Doyle, P.J. (June, 1992). Treatment for apraxia of speech: A review of efficacy reports. Paper presented at the 22nd Annual Clinical Aphasiology Conference, Durango, CO.
89. Thompson, C.K., and Doyle, P.J. Jacobs, B., & Sariski (1992, June). Toward a technology of generalization assessment in aphasia: The effects of setting variables on sentence structure in conversational discourse. Paper presented at the 22nd annual Clinical Aphasiology Conference, Durango, CO.
90. Doyle, P.J., and Thompson, C.K. (1991, November). The effects of setting variables on the use of communicative functions in aphasic and normal adults. Paper presented at the Annual Convention of the American Speech-Language and Hearing Association, Atlanta, GA.
91. Doyle, P.J. (1990, September). Overcoming conceptual and methodological barriers in applied research: A model for the integration of service delivery and science. Paper presented at the convention of the Department of Veterans Affairs, Audiology/Speech Pathology Service Chiefs, Nashville, TN.
92. Doyle, P.J. (1989, November). Conducting treatment efficacy research for neurogenic communication disorders in applied settings. Paper presented at the Annual Convention of the American Speech-Language and Hearing Association, St. Louis, MO.
93. Doyle, P.J. (1989, November). Promoting generalized language use in aphasia: Strategies and tactics of treatment. Paper presented at the Annual Convention of the American Speech-Language and Hearing Association, St. Louis, MO.
94. Doyle, P.J. (1989, May). Training functional conversational skills in adult neurogenic communication disorders. Paper presented at the Annual Convention of the Association for Applied Behavior Analysis, Milwaukee, WI.
95. Doyle, P.J., Goldstein, H., Bourgeois, M.S., and Nakles, K.O. (1989, March). Facilitating generalized requesting behaviors in Broca's aphasic subjects. Paper presented at the American Speech and Hearing Foundation's Conference on Treatment Efficacy, San Antonio, TX.
96. Doyle, P.J., Nakles, K., Keefe, K.A., and Goldstein, H. (1988, November). The effects of a combined deblocking/time-delay procedure on improving auditory comprehension in

aphasia. Paper presented at the Annual Convention of the American Speech Language and Hearing Association, Boston, MA.

97. Doyle, P.J. and Holland, A.H. (1988, May). Selecting functional speech and language targets for aphasia therapy. Paper presented at the Functional Assessment for Remedial Measures in Geriatrics Seminar, Western Psychiatric Institute and Clinic, Pittsburgh, PA.
98. Doyle, P.J. (1988, February). Facilitating generalization of requests for information in Broca's Aphasia. Paper presented at the Annual South-Western Pennsylvania Speech and Hearing Conference, Pittsburgh, PA.
99. Doyle, P.J., Goldstein, H., Bourgeois, M.S., and Nakles, K.O. (1987, November). Training and generalization of communicative functions in Broca's aphasia. Paper presented at the Annual Convention of the American Speech Language and Hearing Association, New Orleans, LA.
100. Doyle, P.J. (1987, September). Communication processes in aging. Paper presented at the Interdisciplinary Training Seminar of the Geriatric Education Center of Pennsylvania, University of Pittsburgh and Temple University, Pittsburgh, PA.
101. Doyle, P.J. (1987, September). Loosening response requirements to facilitate generalization of language behaviors in Broca's Aphasia. Paper presented at the Annual South-Eastern Aphasiology Conference, Fort Walton, FLA.

### **Editorial Consultation**

Aphasiology, Guest Editor 2002-2005  
American Journal of Speech Language Pathology, Associate Editor 2003-2005  
VA Journal of Rehabilitation Research (ad hoc)  
Journal of Speech Language Hearing and Research (ad hoc)  
Journal of Medical Speech-Language Pathology (ad hoc)  
Aphasiology, (ad hoc)  
Quality of Life Research (ad hoc)

### **Awards**

Honors, Association of VA Speech/Language Pathologists, 2006  
Outstanding Clinical Scientist, VISN 4 Stars & Stripes Network, 2004  
Fellow, American Speech-Language-Hearing Association, 2003  
DVA Secretary's Award for Contributions to Clinical Aphasiology, 1995  
Federal Executive Board, Outstanding Contribution to Science Award, May 1990

### **Professional Service**

2015- Member, Rush University SLP Advisory Board  
2012- President, Veterans Research Foundation of Pittsburgh.

- 2010-11 Chair, 2011 National Veterans Wheelchair Games, Corporate Sponsorship Committee.
- 2008- Member, Research & Development Committee, VA Pittsburgh Healthcare System
- 2006- Member, National Audiology and Speech-Language Pathology Professional Standards Board.
- 2006-10 Member, National Audiology and Speech-Language Pathology Research Professional Standards Board.
- 2003-2005 Member, Institutional Review Board, VA Pittsburgh Healthcare System.
- 2002-2003 Member, Research & Development Committee, Behavioral Science Division, VA Pittsburgh Healthcare System
- 2002 Member, VA RR&D Career Development Review Board
- 2001-2003 Chair, VISN 4 Audiology/Speech Pathology Paradigm Group
- 2001 Member VA RR&D Merit Review Board
- 1998 Member, VA RR&D Career Development Board
- 1997-98 Chair, National Veterans Wheelchair Games, Fundraising Committee
- 1997-99 Member, Research & Development Committee, Behavioral Science Division, VA Pittsburgh Healthcare System
- 1996-2000 Member, VA National Audiology/Speech Pathology Field Advisory Counsel
- 1996 Chair, Care of Patients Committee, DVA Medical Center, Highland Drive
- 1995-1997 Chair, VA National Audiology/Speech Pathology Research Committee
- 1995 Conference Chair, Clinical Aphasiology Conference
- 1996 Program Chair, Clinical Aphasiology Conference

### **University Teaching**

Aphasia Seminar, 3 credits, University of Pittsburgh, Fall Term, 1987.

Introduction to Communication Disorders, 3 credits, University of Pittsburgh, Fall Term, 1997.

Research Methods, 3 credits, University of Pittsburgh, Winter Term, 1989-2015

### **VA Pre-Doctoral Fellows Mentored/Current Position**

- 1993-1996 Barry Slansky, Ph.D./Assoc. Professor, University of Missouri
- 1995-1997 Diane Kendall, Ph.D./Advanced Career Development, Gainesville VAMC
- 1996-1999 Roxanne Gross, Ph.D./ Research Scientist, UPMC
- 1997-2001 Grace Park, Ph.D./ Research Scientist, National Institutes of Health,
- 2000-2004 William Hula, Ph.D. Speech Language Pathologist, VA Pittsburgh Healthcare System.
- 2001-2005 Cynthia Eberwein, M.S./Research Associate, Johns Hopkins Medical Center.
- 2002-2005 Christine Mathews, CsCD./ Speech Pathologist, VA Pittsburgh Healthcare System.

### **Certification/Licensure**

American Speech Language and Hearing Association, CCC-SLP #00951566  
Commonwealth of Pennsylvania, License Number: SL-003736-L