

VITA

**Douglas R. Denney**

ADDRESS: Department of Psychology                      PHONE NO.: (785) 864-9805  
University of Kansas                                      FAX NO.: (785) 864-5696  
Lawrence, Kansas 66045                                E-MAIL NO.: denney@ku.edu

DATE AND PLACE OF BIRTH: March 30,1945 in Los Angeles, California

FAMILY: Married to Jacquelyn K. Elliott; two children

**ACADEMIC TRAINING:**

Undergraduate: Lehigh University - graduated June, 1966;  
B.A. in Psychology, magna cum laude  
Graduate: University of Washington - graduated August, 1970;  
Ph.D. in Psychology; emphasis in Clinical Psychology

**CLINICAL TRAINING:**

Pre-doctoral Internship (Rotations): 1969-1970  
Physical Medicine and Rehabilitation Unit, University of Washington School of Medicine;  
supervisor: William Fordyce  
Congenital Defects Clinic, Department of Pediatrics, University of Washington School of  
Medicine; supervisor: James A. Oakland  
Young Veterans Program and Alcoholic Treatment Program, American Lake Veterans  
Administration Hospital, Tacoma, Washington; supervisors: Kristen Solberg and  
Robert Dunn  
Student Counseling Center, University of Washington; supervisor: John Broedel

**EMPLOYMENT HISTORY:**

Assistant Professor, Department of Psychology, State University of New York College at Buffalo:  
1970-1972  
Assistant Professor, Department of Psychology, University of Kansas: 1972-1975  
Director of the Honors Program, Department of Psychology, University of Kansas: 1972-1976  
Associate Professor, Department of Psychology, University of Kansas: 1975-1981  
Professor, Department of Psychology, University of Kansas: 1981-present  
Professor, Human Biology Program, University of Kansas: 1982-present  
Professor of Psychiatry (courtesy), Department of Psychiatry, University of Kansas School of  
Medicine: 1984-present  
Director of Undergraduate Studies, Department of Psychology, University of Kansas: 1988-1991;  
1993-1999  
Associate Chairman, Department of Psychology, University of Kansas: 1993-1999  
Professor of Neurology (courtesy), Department of Neurology, University of Kansas School of  
Medicine:2004-present

## GRANTS:

- SUNY Research Foundation Grant-in-Aid and Research Fellowship: 1971-1972. Title: "The modification of conceptual strategies."
- NIMH Small Grant: 1972-1973. Title: "Modeling conceptual strategies."
- NSF Institutional Research Grant: Summer, 1972. Title: "The incidence of learning and behavior disorders among preschool children with moderate blood-lead levels." Co-principal investigator with J. Morganti and N. Denney.
- University of Kansas General Research Award: 1972-1973. Title: "Active, passive, and vicarious desensitization."
- University of Kansas Biomedical Sciences Research Award: 1972-1973. Title: "Recognition, formulation, and integration of constraint-seeking strategies in children."
- NSF Undergraduate Research Participation Program Grant: Summer, 1973.
- University of Kansas General Research Award: 1973-1974. Title: "Symptom, mastery, and dynamic cues in vicarious desensitization."
- University of Kansas General Research Award: 1974-1975. Title: "Self-control and its attribution in behavior therapy."
- University of Kansas Biomedical Sciences Research Award: 1975. Title: "Applied relaxation and biofeedback in reducing dental fears."
- University of Kansas General Research Award: 1975-1976. Title: "Drug- versus self-attributed reduction of dental anxiety."
- University of Kansas General Research Award: 1977-1978. Title: "Meditation versus relaxation in the reduction of pervasive anxiety."
- University of Kansas Biomedical Sciences Research Award: 1978. Title: "The use of contextual information to facilitate word identification and sentence recall by good and poor readers."
- University of Kansas General Research Award: 1978-1979. Title: "Behavior therapy in the reduction of spasmodic dysmenorrhea."
- University of Kansas Biomedical Sciences Research Award: 1979-1980. Title: "Pain tolerance and cognitive-behavioral coping strategies of dysmenorrheic and non-dysmenorrheic women."
- University of Kansas Biomedical Sciences Research Award: 1983-1984. Title: "Immunologic changes in lymphocyte subpopulations among human subjects differing in levels of stress and coping."
- University of Kansas General Research Award: 1984-1985. Title: "Lymphocyte subclasses and lymphoblast transformation in relationship to depression."
- J. R. & Inez W. Jay Research Fund, University of Kansas Center for Biomedical Research: 1985-1986. Title: "Psychological distress and lymphocyte proliferation within T cell subclasses."
- University of Kansas Biomedical Sciences Research Award: 1985-1986. Title: "Tissue culture equipment."
- University of Kansas Biomedical Sciences Research Award: 1986-1987. Title: "Lymphoblast transformation and lymphocyte subclasses in relationship to depression."
- University of Kansas General Research Award: 1988-1989. Title: "The effects of bereavement on lymphocyte subclasses."
- University of Kansas Biomedical Sciences Research Award: 1989. Title: "Shared research equipment."
- University of Kansas Medical Center, Center on Aging, Competitive Grants Program: 1990-1991. Title: "Lymphocyte subclasses in elderly and depressed patients." Co-principal investigator with J. Warnock, Department of Psychiatry, KUMC.

## GRANTS (Continued)

University of Kansas General Research Award: 1993-1994. Title: "The acute effects of antidepressants on two measures of visual performance."

University of Kansas Medical Center, Psychiatry Foundation: 1993-1994. Title: "Lymphocyte subsets in children with Tourette's syndrome or autism." Co-principal investigator with G. Gaffney, Department of Psychiatry, KUMC.

Teva-Marion Partners Research Award: 2000-2003. Title: "A longitudinal study of executive function in patients with primary progressive multiple sclerosis." Co-principal investigator with S. G. Lynch, Department of Neurology, KUMC.

University of Kansas General Research Award: 2002-2003. Title: "Cognitive deficits associated with ApoE  $\epsilon$ 4 in multiple sclerosis."

Independent Medical Grant, Serono, Inc.: 2005-2009. Title: "A comparison of the cognitive effects of four immunomodulatory drugs in relapsing-remitting multiple sclerosis: A longitudinal study." Co-principal investigator with S. G. Lynch, Department of Neurology, KUMC.

National Multiple Sclerosis Society: 2011-2012. Title: "Glutathione as a measure of oxidative stress in multiple sclerosis." Principal investigator: S. G. Lynch, Department of Neurology, KUMC; Co-investigator with I.-Y. Choi and S.-P. Lee.; First year: \$125,000.

National Dairy Council / Dairy Research Institute / Nutrition Research Program: 2011-2012. Title: "Dairy intake and brain health in aging." Principal investigator: In-Young Choi. Co-principal investigator with Phil Lee and Debra K. Sullivan. \$186,785.

## PUBLICATIONS:

- Denney, D. R. (1970). The effect of style and tempo of an adult model upon conceptualization in children. (Doctoral dissertation).
- Denney, D. R. (1971). The assessment of differences in conceptual style. *Child Study Journal*, 1, 142-155.
- Denney, D. R. (1972). Modeling effects upon conceptual style and cognitive tempos. *Child Development*, 43, 105-119.
- Denney, D. R. (1972). Modeling and eliciting effects upon conceptual strategies. *Child Development*, 43, 810-823.
- Denney, D. R., Denney, N. W., & Ziobrowski, M. J. (1973). Alterations in the information processing strategies of young children following observation of adult models. *Developmental Psychology*, 8, 202-208.
- Denney, D. R. (1973). Reflection and impulsivity as determinants of conceptual strategy. *Child Development*, 44, 614-623.
- Denney, D. R., & Denney, N. W. (1973). The use of classification for problem solving: A comparison of middle and old age. *Developmental Psychology*, 9, 275-278.
- Denney, D. R. (1973). Modification of children's information processing through learning: A review of the literature. *Child Study Journal*, 3 (Whole No. 1).
- Denney, N. W., & Denney, D. R. (1974). Modeling effects on the questioning strategies of the elderly. *Developmental Psychology*, 10, 400-404.
- Denney, D. R. (1974). Active, passive, and vicarious desensitization. *Journal of Counseling Psychology*, 21, 369-375.
- Denney, D. R. (1974). Recognition, formulation, and integration in the development of interrogative strategies among normal and retarded children. *Child Development*, 45, 1068-1076.
- Denney, D. R. (1974). The relationship of three cognitive styles dimensions to elementary reading abilities. *Journal of Educational Psychology*, 66, 702-709.
- Denney, D. R. (1975). The effects of exemplary and cognitive models and self-rehearsal on children's interrogative strategies. *Journal of Experimental Child Psychology*, 19, 476-488.
- Denney, D. R. (1975). Developmental changes in concept utilization among normal and retarded children. *Developmental Psychology*, 11, 359-369.
- Elliott, C. H., & Denney, D. R. (1975). Weight control through covert sensitization and false feedback. *Journal of Consulting and Clinical Psychology*, 43, 842-850.
- Chang-Liang, R., & Denney, D. R. (1976). Applied relaxation as training in self-control. *Journal of Counseling Psychology*, 23, 183-189.
- Davidson, A., & Denney, D. R. (1976). Covert sensitization and information in the reduction of nailbiting. *Behavior Therapy*, 7, 512-518.
- Denney, D. R. (1976). Behavioral approaches to the treatment of alcoholism. In G. Goldstein & C. Neuringer (Eds.), *Experimental studies in alcoholism*. Cambridge, MA.: Ballinger.
- Denney, D. R., & Sullivan, B. J. (1976). Desensitization and modeling treatments of spider fears using two types of scenes. *Journal of Consulting and Clinical Psychology*, 44, 573-579.
- Denney, D. R., & Moulton, P. A. (1976). Conceptual preferences among preschoolers. *Developmental Psychology*, 12, 509-513.
- Denney, D. R., Sullivan, B. J., & Thiry, M. R. (1977). Participant modeling and self-verbalization training in the reduction of spider fears. *Journal of Behavior Therapy and Experimental Psychiatry*, 8, 247-253.

PUBLICATIONS (Continued)

- Ribordy, S., & Denney, D. R. (1977). The behavioral treatment of insomnia: An alternative to drug therapy. *Behaviour Research and Therapy*, 15, 39-50.
- Sullivan, B. J., & Denney, D. R. (1977). Expectancy and phobic level: Effects upon desensitization. *Journal of Consulting and Clinical Psychology*, 45, 763-771.
- Denney, D. R., & Rupert, P. A. (1977). Desensitization and self-control in the treatment of test anxiety. *Journal of Counseling Psychology*, 24, 272-280.
- Elliott, C. H., & Denney, D. R. (1978). A multiple component treatment approach to smoking reduction. *Journal of Consulting and Clinical Psychology*, 46, 1330-1339.
- Lowery, C. R., Denney, D. R., & Storms, M. D. (1979). Insomnia: A comparison of the effects of pill attributions and nonpejorative self-attributions. *Cognitive Therapy and Research*, 3, 161-164.
- Storms, M. D., Denney, D. R., McCaul, K. D., & Lowery, C. R. (1979). Treating insomnia. In I. H. Frieze, D. Bar-Tal, & J. S. Carroll (Eds.), *New approaches to social problems: Applications of attribution theory*. San Francisco, CA: Jossey-Bass.
- Denney, D. R. (1980). Self-control approaches to the treatment of test anxiety. In I. G. Sarason (Ed.), *Test anxiety: Theory, research, and application*. Hillsdale, NJ: Lawrence Erlbaum Associates.
- Davidson, A., Denney, D. R., & Elliott, C. H. (1980). Suppression and substitution in the treatment of nailbiting. *Behaviour Research and Therapy*, 18, 1-9.
- Hutchings, D. F., Denney, D. R., Basgall, J., & Houston, B. K. (1980). Anxiety management and applied relaxation in reducing general anxiety. *Behaviour Research and Therapy*, 18, 181-190.
- Denney, D. R., & Gerrard, M. (1981). Behavioral treatment of primary dysmenorrhea: A review. *Behaviour Research and Therapy*, 19, 303-312.
- Denney, D. R., & Frisch, M. B. (1981). The role of neuroticism in relation to life stress and illness. *Journal of Psychosomatic Research*, 25, 303-307.
- abstracted in *Psychiatry Digest*, 1983 (June), 8-9.
- Denney, N. W., & Denney, D. R. (1982). The relationship between classification and questioning strategies among adults. *Journal of Gerontology*, 37, 190-196.
- Frisch, M. B., Elliott, C. H., Atsides, J. P., Salva, D. M., & Denney, D. R. (1982). Social skills and stress management training to enhance interpersonal competencies. *Psychotherapy: Theory, Research, and Practice*, 19, 349-358.
- Rupert, P. A., Denney, D. R., & Burish, T. G. (1982). Misattribution and the reduction of stress. *Journal of Social Psychology*, 116, 73-81.
- Quillen, M. A., & Denney, D. R. (1982). Self-control of dysmenorrheic symptoms through pain management training. *Journal of Behavior Therapy and Experimental Psychiatry*, 13, 123-130.
- abstracted in Mostofsky, D. I., & Piedmont, R. L. (Eds.), *Therapeutic practice in behavioral medicine*. San Francisco, CA: Jossey-Bass, 1985.
- Denney, D. R., Rupert, P. A., & Burish, T. G. (1983). Skin conductance biofeedback and desensitization for reducing dental anxiety. *American Journal of Clinical Biofeedback*, 6, 88-95.
- Denney, D. R. (1983). Relaxation and stress management training. In C. E. Walker (Ed.), *Handbook of clinical psychology: Theory, research, and practice*. Homewood, IL: Dorsey Press.
- Smith, T. W., & Denney, D. R. (1983). Relaxation training in the reduction of traumatic headaches: A case study. *Behavioural Psychotherapy*, 11, 109-115.
- Aberger, E. W., Denney, D. R., & Hutchings, D. F. (1983). Pain sensitivity and coping strategies among dysmenorrheic women: Much ado about nothing. *Behaviour Research and Therapy*, 21, 119-127.

## PUBLICATIONS (Continued)

- Stephenson, L. A., Denney, D. R., & Aberger, E. W. (1983). Factor structure of the Menstrual Symptoms Questionnaire: Relationship to oral contraceptives, neuroticism, and life stress. *Behaviour Research and Therapy*, 21, 129-135.
- Plante, T. G., & Denney, D. R. (1984). Stress responsivity among dysmenorrheic women at different phases of their menstrual cycle: More ado about nothing. *Behaviour Research and Therapy*, 22, 249-258.
- Smith, T. W., Boaz, T. L., & Denney, D. R. (1984). Endorsement of irrational beliefs as a moderator of the effects of stressful life events. *Cognitive Therapy and Research*, 8, 363-370.
- Denney, D. R., Stephenson, L. A., Penick, E. C., & Weller, R. A. (1988). Lymphocyte subclasses and depression. *Journal of Abnormal Psychology*, 97, 499-502.
- Spratt, M. L., & Denney, D. R. (1991). Immune variables, depression, and plasma cortisol over time in suddenly bereaved parents. *Journal of Neuropsychiatry and Clinical Neurosciences*, 3, 299-306.
- Boaz, T. L., & Denney, D. R. (1993). Speed of scanning in primary memory in persons with dementia of the Alzheimer's type. *Psychology and Aging*, 8, 294-300.
- Denney, D. R., Frei, B. W., & Gaffney, G. R. (1996). Lymphocyte subsets and interleukin-2 receptors in autistic children. *Journal of Autism and Developmental Disorders*, 26, 89-99
- Kroencke, D. C., & Denney, D. R. (1999). Stress and coping in multiple sclerosis: Exacerbation, remission, and chronic subgroups. *Multiple Sclerosis*, 5, 89-93.
- Kroencke, D. C., Lynch, S. G., & Denney, D. R. (2000) Fatigue in multiple sclerosis: Relationship to depression, disability, and disease pattern. *Multiple Sclerosis*, 6, 131-136.
- Kroencke, D. C., Denney, D. R., & Lynch, S. G. (2001) Depression during exacerbations in multiple sclerosis: The importance of uncertainty. *Multiple Sclerosis*, 7, 237-242.
- Lynch, S. G., Kroencke, D. C., & Denney, D. R. (2001). The relationship between disability and depression in multiple sclerosis: The role of uncertainty, coping, and hope. *Multiple Sclerosis*, 7, 411-416.
- Metzger, F. A., & Denney, D. R. (2002). Perception of cognitive performance in patients with chronic fatigue syndrome. *Annals of Behavioral Medicine*, 24, 106-112.
- Parmenter, B. A., Denney, D. R., & Lynch, S. G. (2003). The cognitive performance of patients with multiple sclerosis during periods of high and low fatigue. *Multiple Sclerosis*, 9, 111-118.
- Kroencke, D. C., Lynch, S. G., & Denney, D. R. (2003). Fatigue in multiple sclerosis: Relationship to depression, disability, and disease pattern. In *Developments in MS Research, Vol 4*. New York: Biosciences Communications.
- Denney, D. R., Lynch, S. G., Parmenter, B. A., & Horne, N. (2004). Cognitive impairment in relapsing and primary progressive multiple sclerosis: Mostly a matter of speed. *Journal of the International Neuropsychological Society*, 10, 948-956.
- Lynch, S. G., Denney, D. R., & Parmenter, B. A. (2005). The association between cognitive impairment and physical disability in multiple sclerosis. *Multiple Sclerosis*, 11, 469-476.
- Denney, D. R., Sworowski, L. A., & Lynch, S. G. (2005). Cognitive impairment in three subtypes of multiple sclerosis. *Archives of Clinical Neuropsychology*, 20, 967-981.
- Middleton, L. S., Denney, D. R., Lynch, S. G., & Parmenter, B. A. (2006) The relationship between perceived and objective cognitive functioning in multiple sclerosis. *Archives of Clinical Neuropsychology*, 21, 487-494.
- Parmenter, B. A., Denney, D. R., Lynch, S. G., Middleton, L. S., & Harlan, L. M. (2007). Cognitive impairment in patients with multiple sclerosis: Association with the APOE gene and promoter polymorphisms. *Multiple Sclerosis*, 13, 25-32.

## PUBLICATIONS (Continued)

- Connelly, M., & Denney, D. R. (2007). Regulation of emotions during experimental stress in alexithymia. *Journal of Psychosomatic Research*, *62*, 649-656.
- Denney, D. R., Lynch, S. G., & Parmenter, B. A. (2008). A 3-year longitudinal study of cognitive impairment in patients with primary progressive multiple sclerosis: Speed matters. *Journal of the Neurological Sciences*, *267*, 129-136.
- Aupperle, R. L., Denney, D. R., Lynch, S. G., Carlson, S. E., & Sullivan, D. K. (2008). Omega-3 fatty acids and multiple sclerosis: Relationship to depression. *Journal of Behavioral Medicine*, *31*, 127-135.
- Bodling, A. M., Denney, D. R., & Lynch, S. G. (2008). Rapid serial processing in patients with multiple sclerosis: The role of peripheral deficits. *Journal of the International Neuropsychological Society*, *14*, 646-650.
- Jolly, H., Zwibel, H., Simpson, K., Bishop, B., Hunter, H., Newell, C., Denney, D., Oleen-Burkey, M. (2008). Impact of warm compresses on local injection site reactions with self-administered glatiramer acetate. *Journal of Neuroscience Nursing*, *40*, 232-239.
- Markowitz, C. E., Hughes, M. D., Mikol, D. D., Shi, L., Oleen-Burkey, M., & Denney D. R., on behalf of the EDSS Calculator Study Group. (2008). Expanded Disability Status Scale calculator for handheld personal digital assistant: reliability study. *International Journal of MS Care*, *10*, 33-39.
- Denney D. R., & Lynch, S. G. (2009). The impact of multiple sclerosis on patients' performance on the Stroop Test: Processing speed vs. interference. *Journal of the International Neuropsychological Society*, *15*, 451-458.
- Aupperle, R. A., Hale, L. R., Chambers, R. J., Cain, S. E., Barth, F. X., Sharp, S. C., Denney, D. R., Savage, C. R. (2009). An fMRI study examining effects of acute d-cycloserine during symptoms provocation in spider phobia. *CNS Spectrums*, *14*, 556-571.
- Bodling, A. M., Denney, D. R., & Lynch, S. G. (2009). Cognitive aging in patients with multiple sclerosis: A cross-sectional analysis of speeded processing. *Archives of Clinical Neuropsychology*, *24*, 761-767.
- Pardo, G., Boutwell, C., Conner, J., Denney, D., & Oleen-Burkey, M. (2010). Effect of oral antihistamine on local injection site reactions with self-administered glatiramer acetate. *Journal of Neuroscience Nursing*, *42*, 40-46.
- Lynch, S. G., Dickerson, K. J., & Denney, D. R. (2010). Evaluating processing speed in multiple sclerosis: A comparison of two rapid serial processing measures. *Clinical Neuropsychologist*, *24*, 963-976.
- Denney, D. R., Gallagher, K. S., & Lynch, S. G. (2011). Deficits in processing speed in patients with multiple sclerosis: Evidence from explicitly-timed and covertly-timed measures. *Archives of Clinical Neuropsychology*, *26*, 110-119.
- Choi, I.-Y., Lee, S.-P., Denney, D. R., & Lynch, S. G. (2011). Lower levels of glutathione (GSH) in the brains of secondary progressive multiple sclerosis patients measured by 1H magnetic resonance chemical shift imaging at 3 T. *Multiple Sclerosis Journal*, *17*, 289-296.
- Zwibel, H., Pardo, G., Smith, S., Denney, D. R., Oleen-Burkey, M. (2011). A multicenter study of the predictors of adherence to self-injected glatiramer acetate for treatment of relapsing-remitting multiple sclerosis. *Journal of Neurology*, *258*, 402-411.
- Hughes, A. J., Denney, D. R., & Lynch, S. G. (2011). Reaction time and rapid serial processing measures of information processing speed in multiple sclerosis: Complexity, compounding, and augmentation. *Journal of the International Neuropsychological Society*, *17*, 1113-1121.
- Denney, D. R., Hughes, A. J., Owens, E. M., & Lynch, S. G. (2012). Deficits in planning time but not performance in patients with multiple sclerosis. *Archives of Clinical Neuropsychology*, *27*, 148-

- Bodling, A. M., Denney, D. R., & Lynch, S. G. (2012). Individual variability in speed of information processing: An index of cognitive impairment in multiple sclerosis. *Neuropsychology*, *26*, 357-367.





PUBLICATIONS (Continued)

Pardo, G., Smith, S., Zwibel, H., Denney, D., & Oleen-Burkey, M. on behalf of the READY Trial Study Group. A study model to investigate adherence to treatment with glatiramer acetate administered via self-injected prefilled syringe by patients with relapsing-remitting multiple sclerosis. Health Education & Behavior. (Submitted)

Aupperle, R. A., Hale, L. R., Chambers, R. J., Cain, S. E., Barth, F. X., Sharp, S. C., Denney, D. R., Savage, C. R. Neuropsychological investigation of specific phobia and acute d-cycloserine administration. Depression & Anxiety. (Submitted)

Hughes, A. J., Denney, D. R., Owens, E. M., & Lynch, S. G. Procedural variations in the Stroop and Symbol Digit Modalities Test in patients with multiple sclerosis. (In preparation)

## MAJOR BOOK REVIEWS

Denney, D. R. (1992). Psychoneuroimmunology: The state of the union. *Contemporary Psychology*, 37, 925-926.

---A review of Ader, R., Felten, D. L., & Cohen, N. (Eds.) *Psychoneuroimmunology, 2nd Edition*. San Diego, CA: Academic Press, 1991.

## OTHER PUBLICATIONS (e.g., E- journals)

Kennedy, P., Bowling, A., Saunders, C., Beach, B., Denney, D., Connor, J., on behalf of the Partnership Study Group. (2010). Adherence to glatiramer acetate therapy among individuals with multiple sclerosis who participated in a voluntary support program alone or in partnership with their multiple sclerosis support center. *International Organization of MS Nurses: Research Resource*, xx, 1-8.

## PAPERS PRESENTED (only national / international conventions listed):

Denney, D. R. Modeling and interrogative strategies. 82nd Annual Convention of the American Psychological Association, New Orleans, LA, 1974.

---reprinted in *Research in Education*, 1975 (July). Document No. ED 103.

---reprinted in *JSAS Catalogue of Selected Documents in Psychology*, 1975, 5, 232.

Denney, D. R., Rupert, P. A., & Burish, T. G. Misattribution of arousal produced by a dental stress videotape. 84th Annual Convention of the American Psychological Association, Washington, D. C., 1976.

Lowery, C. R., Denney, D. R., & Storms, M. D. The treatment of insomnia: Pill attributions and nonpejorative self-attributions. 84th Annual Convention of the American Psychological Association, Washington, D. C., 1976.

Rupert, P. A., & Denney, D. R. Desensitization and self-control in treating test anxiety. 84th Annual Convention of the American Psychological Association, Washington, D. C., 1976.

Hutchings, D. F., Denney, D. R., Basgall, J., & Houston, B. K. Anxiety management and applied relaxation in reducing chronic anxiety. 86th Annual Convention of the American Psychological Association, Toronto, Ontario, Canada, 1978.

Quillen, M., & Denney, D. R. Coping and mastery models within overt and covert modeling procedures. 86th Annual Convention of the American Psychological Association, Toronto, Ontario, Canada, 1978.

Frisch, M. B., Elliott, C. H., Atsides, J. P., Salva, D. M., & Denney, D. R. Social skills and stress management training to enhance interpersonal competencies. 87th Annual Convention of the American Psychological Association, New York, N.Y., 1979.

Denney, D. R., & Gerrard, M. The behavioral treatment of dysmenorrhea: Considerations from the pathological domain. 87th Annual Convention of the American Psychological Association, New York, N.Y., 1979.

Gerrard, M., & Denney, D. R., & Basgall, J. Pain management and imagery training in the reduction of dysmenorrhea. 87th Annual Convention of the American Psychological Association, New York, N.Y., 1979.

Comer, J. F., & Denney, D. R. Meditation and relaxation in the treatment of test anxiety. 88th Annual Convention of the American Psychological Association, Montreal, Quebec, Canada, 1980.

PAPERS PRESENTED (Continued)

- Denney, D. R., Aberger, E. W., & Plante, T. G. Sensitivity to pain and stress among dysmenorrheic women: Some notable failures to reject null hypotheses. 5th Annual Meeting of the Society for Behavioral Medicine, Philadelphia, PA., 1984.
- Boaz, T. L., & Denney, D. R. Scanning speed in primary memory in patients with Alzheimer's disease. 94th Annual Convention of the American Psychological Association, Washington, D. C., 1986.
- Spratt, M. L., Denney, D. R., & Quadagno, D. M. A psychoimmunologic study of bereaved parents. Annual Meeting of the American Psychiatric Association, San Francisco, CA., 1989.
- Spratt, M. L., Denney, D. R., & Quadagno, D. M. Suddenly bereaved parents: Psychoimmunologic changes. 97th Annual Convention of the American Psychological Association, New Orleans, LA., 1989.
- Frei, B. W., Denney, D. R., & Gaffney, G. R. Lymphocyte subsets and the interleukin-2 system in autistic children. Annual Meeting of the American Academy of Child and Adolescent Psychiatry, San Francisco, CA., 1991.
- Denney, D. R., Frei, B. W., & Gaffney, G. R. Lymphocyte subsets and the interleukin-2 system in autistic children. 100th Annual Convention of the American Psychological Association, Washington, D.C., 1992.
- Denney, D. R., & Froehlich, P. J. Mood induction and leukocyte subclasses: An experimental study. 100th Annual Convention of the American Psychological Association, Washington, D.C., 1992.
- Lai, C-W, Denney, D. R., & Lai, Y-H C. Stress and epilepsy: A critical analysis using general and epilepsy-specific stressors. 50th Annual Meeting of the American Academy of Neurology, Minneapolis, MN., 1998
- Flax, P. Filion, D. L., Denney, D. R., & McDoud, J. M. Latent inhibition in younger and older adults. 7th Biennial Cognitive Aging Conference (A.P.A., Division 20), Atlanta, GA., 1998.
- Kroencke, D. C., Denney, D. R., & Lynch, S. G. Predictors of depression in conjunction with multiple sclerosis. 107th Annual Convention of the American Psychological Association, Boston, MA, 1999.
- Lynch, S. G., Kroencke, D. C., & Denney, D. R. Fatigue in multiple sclerosis: Relation to depression, disability, and disease pattern. Combined meeting of the European and Americas Committee for Treatment and Research in Multiple Sclerosis (ECTRIMS/ ACTRIMS), Basel, Switzerland, 1999.
- Sworowski, L. A., Denney, D. R., & Lynch, S. G. Initial planning time in patients with three different subtypes of MS. Bi-annual Convention of the International Neuropsychological Society, Chicago, IL, 2001.
- abstract in *Journal of the International Neuropsychological Society*, 2001, 7,196.
- Parmenter, B. A., Denney, D. R., & Lynch, S. G. Fatigue and cognitive performance in multiple sclerosis. Annual conference of the National Academy of Neuropsychology. San Francisco, CA, 2001
- Denney, D. R., & Lynch, S. G. The cognitive impact of MS. Teva Neuroscience: PROMISE Study Investigators Meeting. San Francisco, CA. 2003. [Invited address]
- Heinze, L. S., & Denney, D. R. Are depression and anxiety overestimated in multiple sclerosis? 32nd Annual Meeting of the International Neuropsychological Society. Baltimore, MD, 2004
- Heinze, L. S., Denney, D. R., Parmenter, B. A., & Lynch, S. G. The relationship between perceived and objective cognitive functioning and depression in multiple sclerosis patients. 32nd Annual Meeting of the International Neuropsychological Society. Baltimore, MD, 2004
- Parmenter, B. A., Denney, D. R., & Lynch, S. G. The relationship between the ApoE 4 allele and cognitive impairment in patients with multiple sclerosis. 32nd Annual Meeting of the International Neuropsychological Society. Baltimore, MD, 2004

PAPERS PRESENTED (Continued)

- Lynch, S. G., Parmenter, B. A., & Denney, D. R. Disability and cognitive impairment in MS related to apoE and promoter region polymorphisms. 20th Annual Congress of the European Committee for Treatment and Research in Multiple Sclerosis (ECTRIMS), Vienna, Austria, 2004.
- Denney, D. R., Lynch, S. G., & Parmenter, B. A. A 3-year longitudinal study of cognitive performance in patients with primary progressive multiple sclerosis. 21st Annual Congress of the European Committee for Treatment and Research in Multiple Sclerosis (ECTRIMS), Thessalonika, Greece, 2005.
- Aupperle, R. L., Denney, D. R., & Lynch, S. G. Omega 3 fatty acid levels in multiple sclerosis: Correlations with diet, disability, and depression. 21st Annual Congress of the European Committee for Treatment and Research in Multiple Sclerosis (ECTRIMS), Thessalonika, Greece, 2005.
- Pardo, G. Smith, S., Zwibel, H., Denney, D. R., and the READY Trial Study Group. A study model to investigate adherence to treatment among patients with relapsing-remitting multiple sclerosis initiating therapy with glatiramer acetate via pre-filled syringe. 21st Annual Congress of the European Committee for Treatment and Research in Multiple Sclerosis (ECTRIMS), Thessalonika, Greece, 2005.
- Pardo, G., Zwibel, H., Smith, S., Denney, D. R., and the READY Trial Study Group. The role of self-efficacy in predicting adherence to glatiramer acetate in pre-filled syringes among patients with and without prior treatment experience with immunomodulatory therapy. 21st Annual Congress of the European Committee for Treatment and Research in Multiple Sclerosis (ECTRIMS), Thessalonika, Greece, 2005.
- Zwibel, H., Pardo, G., Smith, S., Denney, D. R., and the READY Trial Study Group. Predicting adherence to therapy with glatiramer acetate administered with pre-filled syringes in patients with relapsing-remitting multiple sclerosis. 21st Annual Congress of the European Committee for Treatment and Research in Multiple Sclerosis (ECTRIMS), Thessalonika, Greece, 2005.
- Ortega, H., Bishop, B., Robbins, J., Simpson, K, Hunter, H., Newell, C., Miller, B., & Denney, D. R. Impact of warm compresses on local injection site reactions with self-administered Copaxone. 20<sup>th</sup> Annual Meeting of the Consortium of Multiple Sclerosis Centers (CMSC), Scottsdale, AZ, 2006.
- Smith, S., Zwibel, H., Ortega, H., Pardo, G, Cadenhead, S., & Denney D. R., on behalf of the READY Trial Study Group. Glatiramir acetate therapy adherence: Impact of injection competency. 20<sup>th</sup> Annual Meeting of the Consortium of Multiple Sclerosis Centers (CMSC), Scottsdale, AZ, 2006.
- Bodling, A., Denney, D. R., & Lynch, S. G. Nystagmus, dysarthria, and speeded information processing in multiple sclerosis. 22nd Annual Congress of the European Committee for Treatment and Research in Multiple Sclerosis (ECTRIMS), Madrid, Spain, 2006.
- Markowitz, C., Mikol, D., Shi, L., & Denney D. R., on behalf of the EDSS Calculator Study Group. The EDSS software program for handheld devices: a study of reliability and validity. 22nd Annual Congress of the European Committee for Treatment and Research in Multiple Sclerosis (ECTRIMS), Madrid, Spain, 2006.
- Parmenter, B. A., Denney, D. R., & Lynch, S. G. Sex differences in verbal memory in multiple sclerosis. 35th Annual Meeting of the International Neuropsychological Society. Portland, OR, 2007
- Kennedy, P., Bowling, A., Saunders, C., Beach, B., Denney D. R., & Connor, J., on behalf of the Partnership Study Group. Partnership between Shared Solutions and MS office nurses: Adherence enhancement program. 21st Annual Meeting of the Consortium of Multiple Sclerosis Centers (CMSC), Washington, D.C., 2007.
- Pardo, G., Boutwell, C., Connor, J., & Denney, D.R., on behalf of the Oral Antihistamine Study Group. Impact of oral antihistamine on local injection site reactions with glatimamer acetate. 21st Annual Meeting of the Consortium of Multiple Sclerosis Centers (CMSC), Washington, D.C., 2007.

## PAPERS PRESENTED (Continued)

- Saunders, C., Oleen-Burkey, M., Denney, D.R., on behalf of the Alcohol Wipes Study Group. Impact of alcohol wipes on local injection-site reactions with glatiramer acetate. 21st Annual Meeting of the Consortium of Multiple Sclerosis Centers (CMSC), Washington, D.C., 2007.
- Jolly, H., Zwibel, H., Oleen-Burkey, M., Conner, J., & Denney, D. R., on behalf of the Alcohol Wipes, Warm Compress, and Oral Antihistamine Study Groups. Exploring interventions for management of injection-site reactions with glatiramer acetate. 21st Annual Meeting of the Consortium of Multiple Sclerosis Centers (CMSC), Washington, D.C., 2007.
- Lynch, S. G., Dickerson, K., & Denney, D. R. Speeded information processing in multiple sclerosis: a comparison of two measures. 23rd Annual Congress of the European Committee for Treatment and Research in Multiple Sclerosis (ECTRIMS) / 12<sup>th</sup> Annual Meeting of Rehabilitation in MS (RIMS), Prague, Czech Republic, 2007. (October 12, 2007)
- Pardo, G., Boutwell, C., Connor, J., & Denney, D.R., on behalf of the Oral Antihistamine Study Group. Impact of oral antihistamine on local injection site reactions with glatiramer acetate. 23rd Annual Congress of the European Committee for Treatment and Research in Multiple Sclerosis (ECTRIMS) / 12<sup>th</sup> Annual Meeting of Rehabilitation in MS (RIMS), Prague, Czech Republic, 2007.
- Johnson, K., Oleen-Burkey, M., & Denney, D. R. Quality of life in multiple sclerosis: relationship between EDSS and health status. 23rd Annual Congress of the European Committee for Treatment and Research in Multiple Sclerosis (ECTRIMS) / 12<sup>th</sup> Annual Meeting of Rehabilitation in MS (RIMS), Prague, Czech Republic, 2007.
- Zwibel, H., Jolly, H., Oleen-Burkey, M., Conner, J., & Denney, D. R., on behalf of the Alcohol Wipes, Warm Compress, and Oral Antihistamine Study Groups. Exploring interventions for management of injection-site reactions with glatiramer acetate. 23rd Annual Congress of the European Committee for Treatment and Research in Multiple Sclerosis (ECTRIMS) / 12<sup>th</sup> Annual Meeting of Rehabilitation in MS (RIMS), Prague, Czech Republic, 2007.
- Aupperle, R. L., Hale, L. R., Denney D. R., Chambers, R. J., Cain, S. E., Barth, F. X., Sharp, S. C., & Savage, C. R. An fMRI study investigating the effects of D-cycloserine on brain activations during verbal memory recognition. Annual meeting of the Society for Neuroscience, San Diego, CA, 2007.
- Aupperle, R. L., Hale, L. R., Nelson, C. R., Chambers, R. J., Cain, S. E., Barth, F. X., Sharp, S. C., Hall, S. B., Denney, D. R., & Savage, C. R. A double-blind, placebo-controlled, fMRI investigation of D-cycloserine and symptom provocation in spider phobia: Preliminary results. Annual conference of the Anxiety Disorders Association of America, St. Louis, MO, 2007.
- Bodling, A. M., Denney, D. R., & Lynch, S. G. Cognitive aging in multiple sclerosis: A cross-sectional analysis of speeded processing. Annual meeting of the American Psychological Association: Rehabilitation Psychology Division, Tucson, AZ, 2008.
- Aupperle, R. L., Hale, L. R., Chambers, R. J., Cain, S. E., Barth, F. X., Sharp, S. C., Denney, D. R., & Savage, C. R. An fMRI investigation of D-cycloserine and symptom provocation in spider phobia. Annual meeting of the Society of Biological Psychiatry, Washington D.C., 2008.
- Chau, P. M., Denney, D. R., & Burns, J. M. Factor structure of a neuropsychological test battery in older adults with Alzheimer's disease and healthy controls. 116<sup>th</sup> Annual Convention of the American Psychological Association, Boston, MA, 2008.
- Steiger, K. A., Denney, D. R., & Lynch, S. G., Information processing in multiple sclerosis: Accuracy versus speed. World Congress on Treatment and Research in Multiple Sclerosis, Montreal, Canada 2008. (September 18, 2008)
- Bodling, A. M., Denney, D. R., & Lynch, S. G. Cognitive aging in patients with multiple sclerosis: An analysis of processing speed. World Congress on Treatment and Research in Multiple Sclerosis, Montreal, Canada, 2008. (September 18, 2008)

## PAPERS PRESENTED (Continued)

- Oleen-Burkey, M., Pardo, L., & Denney, D. R., on behalf of the PM021 Trial Study Group. Pain and force comparison: 27g vs. 29g subcutaneous injection needles for glatiramer acetate. 23rd Annual Meeting of the Consortium of Multiple Sclerosis Centers (CMSC), Atlanta, GA, 2009. (May 27-30)
- Tree, H. A., Lynch, S. G., & Denney, D. R. Prevalence and correlates of MS-related pain. 25th Annual Congress of the European Committee for Treatment and Research in Multiple Sclerosis (ECTRIMS), Dusseldorf, Germany, 2009. (September 10, 2009)
- Chau, P. M., Lyons, K. E., Denney, D. R., Pahwa, R., & Hanna-Pladdy, B. Motor symptom progression and memory deficits in Parkinson's disease. 118th Annual Convention of the American Psychological Association, San Diego, CA, 2010. (August 12-15, 2010)
- Hughes, A. J., Denney, D. R., & Lynch, S. G. Evaluating deficits in processing speed in patients with multiple sclerosis with reaction time and rapid serial processing tests. 26<sup>th</sup> Annual Congress of the European Committee for Treatment and Research in Multiple Sclerosis (ECTRIMS), Gothenburg, Sweden, 2010. (October 14, 2010)
- Bodling, A. M., Denney, D. R., & Lynch, S. G. Variability in speed of information processing: a new measure of cognitive impairment in multiple sclerosis. 26<sup>th</sup> Annual Congress of the European Committee for Treatment and Research in Multiple Sclerosis (ECTRIMS), Gothenburg, Sweden, 2010. (October 15, 2010)
- Hughes, A. J., Denney, D. R., & Lynch, S. G. A comparison of two neuropsychological tests evaluating deficits in processing speed in patients with multiple sclerosis. 40<sup>th</sup> Annual Meeting of the Society for Neuroscience, San Diego, CA, 2010. (November 15, 2010)
- Hughes, A. J., Lynch, S. G., Owens, E. M., & Denney, D. R., Assessing processing speed in MS: A methodological variation of the Stroop and Symbol Digit Modalities Test. 5<sup>th</sup> Joint Triennial Congress of the European and Americas Committees for Treatment and Research in Multiple Sclerosis (ECTRIMS/ACTRIMS), Amsterdam, the Netherlands, 2011. (October 20, 2011)
- Lee, P., Lynch, S. G., Denney, D. R., & Choi, I-Y. Alterations in major neurochemical levels and correlation with brain atrophy in secondary progressive multiple sclerosis. 5<sup>th</sup> Joint Triennial Congress of the European and Americas Committees for Treatment and Research in Multiple Sclerosis (ECTRIMS/ACTRIMS), Amsterdam, the Netherlands, 2011. (October 21, 2011)
- Lynch, S. G., Hughes, A. J., Owens, E. M., & Denney, D. R., Deficits in planning time, but not performance, on a test of executive function. 5<sup>th</sup> Joint Triennial Congress of the European and Americas Committees for Treatment and Research in Multiple Sclerosis (ECTRIMS/ACTRIMS), Amsterdam, the Netherlands, 2011. (October 21, 2011)
- Hughes, A. J., Denney, D. R., Choi, I-Y., Lee, P., & Lynch, S. G. Cognitive impairment and involvement of oxidative stress in multiple sclerosis. 1<sup>st</sup> Annual Meeting of the International Congress on Cognition in Multiple Sclerosis (IMSCOGS). Bordeaux, France, 2012. (May 11-12, 2012)
- Oleen-Burkey, M., Zwibel, H., Coyle, P. K., Tullman, M., & Denney, D. Examining predictors of the physical and mental components of quality of life in the TOP MS Study. 64th Annual Meeting of the American Academy of Neurology. New Orleans, LA, 2012. (April 26, 2012)
- Zwibel, H., Coyle, P. K., Oleen-Burkey, M., Tullman, M., & Denney, D. R. Correlation of changes in patient-reported disability in the TOP MS Study completer cohort. 64th annual meeting of the American Academy of Neurology. New Orleans, LA, 2012. (April 25, 2012)
- Zwibel, H., Coyle, P. K., Oleen-Burkey, M., Tullman, M., & Denney, D. R. Factors influencing disability status at baseline in the TOP MS Study. 64th annual meeting of the American Academy of Neurology. New Orleans, LA, 2012. (April 25, 2012)

PAPERS PRESENTED (Continued)

Coyle, P. K., Zwibel, H., Cohen, B., Leist, T., Tullman, M., Markowitz, C., Hughes, M. & Denney, D. R.  
Two-year relapse rate in the TOP MS Study completer cohort. 64th annual meeting of the American  
Academy of Neurology. New Orleans, LA, 2012. (April 23, 2012)

Buck, P. O., Conner, J. B., Mathena, J., Castelli-Haley, J., & Denney, D. R.. Development of the  
Satisfaction with Injection Experience Questionnaire for patients with multiple sclerosis. 17<sup>th</sup>

Annual

International Meeting of the International Society for Pharmacoeconomics and Outcomes Research  
(ISPOR) Washington, DC, 2012. (June 5, 2012)