

## Curriculum Vitae

April, 2003

### **CHARLES R. CARLSON**

#### **Biographical Information**

Present Address: Department of Psychology  
University of Kentucky  
Lexington, KY 40506-0044

Phone: (859) 257-4394 office  
FAX: (859) 323-1979  
E-Mail: ccarl@uky.edu

#### **Education**

South Dakota State University, B. S. (With Highest Honors), 1975 (Chemistry)  
Vanderbilt University, M.A., 1981 (Clinical Psychology)  
Thesis: Influence of Children's Emotional States on the Recognition of Emotion  
in Peers and Social Motives to Change Another's Emotional State  
Vanderbilt University, Ph.D., 1983 (Clinical Psychology)  
Dissertation: Children's Emotions and Their Responses to Social Comparisons

#### **Teaching Experience**

University of Kentucky. Professor of Psychology and Joint Professor of Dentistry.  
Director of Clinical Training, Department of Psychology; Director of Research  
and Behavioral Medicine, Orofacial Pain Center. Responsibilities include  
graduate and undergraduate teaching, supervision of graduate research and  
clinical training, and development of applied multidisciplinary research  
concerning the use of self-regulation procedures with temporomandibular  
dysfunctions and other muscle pain disorders. August, 1988 to present.

Rush-Presbyterian Medical University. Visiting Assistant Professor in the  
Department of Psychology and Social Sciences.  
Implemented stretch-based relaxation training for university-wide employee  
stress management program. Active with Dr. Frank L. Collins in collaborative  
research focusing on the use of stretch relaxation training for reducing  
psychophysiological activity. Special areas of interest include applications for  
rheumatic and cardiovascular dysfunctions. July, 1986 to August, 1988.

Wheaton College. Associate/Assistant Professor of Psychology with responsibility for  
teaching graduate and undergraduate level courses in behavioral medicine,

research design, developmental, and community psychology. August, 1984 to July 1988.

Vanderbilt University. Teaching Assistant in introductory course on psychology. Responsible for providing individualized instruction and presenting several 90-minute lectures on topics that included human development, cognition, and control of emotion. Spring, 1981.

Baylor University/Academy of Health Sciences, Ft. Sam Houston, TX. Instructor in Staff and Faculty Development Division. Taught 400 instructor-candidates annually with major areas of teaching responsibilities including communication techniques, student counseling and performance evaluation. Also developed and taught numerous short courses and workshops to health care professionals on topics that included performance feedback, preventive academic counseling, study skills, stress response management and educational technology. April, 1976 to May, 1979.

American School in London, London, England. Teaching intern for high school chemistry. August to December, 1974.

### **Clinical Experience**

Clinical Psychologist, Orofacial Pain Center, University of Kentucky, Frankfort and Lexington, KY. July, 1988 to present. Wheaton, IL, August, 1984 to July, 1988. Specializing in behavioral medicine and health psychology. Areas of interest include muscle tension, stress/anxiety disorders, chronic pain and psychophysiological disorders.

Resident, University of Mississippi Medical Center, Jackson, MS. August, 1983 to August, 1984. Rotations included chronic pain and psychophysiological disorders (Ellie T. Sturgis, Ph.D.), behavioral pediatrics (Ronald S. Drabman, Ph.D.), forensic psychology (William G. Johnson, Ph.D.) and behavioral gerontology (Stephen R. Rapp, Ph.D.).

Fellow, Interuniversity Psychological and Counseling Center, Vanderbilt University. Intake interviewing and individual and group psychotherapy, psychological evaluation and coordinator of weight management program. September, 1982 to August, 1983. Supervisor: Nicholas Sieveking, Ph.D.

Clinician, Interuniversity Psychological and Counseling Center, Vanderbilt University. Individual psychotherapy, psychological evaluation and limited intake interviewing. September, 1981 to May, 1982. Supervisor: James T. Trent, Ph.D.

Behavioral medicine trainee, Diabetes Research and Training Center, Vanderbilt University Medical Center. Behavior-analytic assessment and formulation of psychological dysfunction and behaviorally-oriented psychotherapy. March, 1981 to June, 1983. Supervisor: Ira D. Turkat, Ph.D.

Clinical intern, Womack Army Hospital, Ft. Bragg, NC. Psychological and neuro-psychological evaluation of inpatients and outpatients, supervision of technical personnel and presentation of clinical seminar. January, 1981. Supervisor: Jacklyn Hungerland, Ph.D.

Psychology trainee, Mental Health and Behavioral Sciences Unit, Veterans

Administration Medical Center, Nashville, TN. Psychological and neuropsychological evaluation of adult inpatients and outpatients, individual and group psychotherapy, presentation of case conferences/seminars, relaxation training and biofeedback. September, 1980 to May, 1981. Supervisors: Norman Stephenson, Ph.D. and Barbara Key, M.A.

Clinical trainee, Adult Psychiatry, Vanderbilt University Medical Center.

Administration, scoring and interpretation of standard psychological tests for in/outpatient consultations. Summer, 1980. Supervisor: Warren Webb, Ph.D.

### **National Service**

National Practice Guidelines Committee for the Assessment, Diagnosis, and Management of Orofacial Pain, American Academy of Orofacial Pain, 1998 to present.

Education Review Committee, American Academy of Orofacial Pain, 1998 to 2002.

Consultant, National Naval Medical Center, Bethesda, MD, 1996 to present.

### **University/Departmental Service**

Director of Clinical Training, Department of Psychology, 2001 to present.

Chair, Arts & Sciences Social Sciences Advisory Committee, 2001 to present.

Search Committee, Dean of College of Dentistry, 2002

University Senate, 1998-2001.

Chair, Department of Psychology Faculty Search Committee, 1999.

Search Committee, Chair of Oral Health Practice, 1998-1999.

Search Committee, Dean of College of Dentistry, 1997.

Associate Director of Clinical Training, 1996-2001.

Graduate Student Advisory Council, 1997-1998, 2000-2001.

Liaison for Health Psychology, 1988-2000.

Subject Use and Research Ethics committee, 1988 – 1992.

Curriculum committee, 1988–1989.

Campus Life committee, 1987–1988.

Psi Chi, Faculty Adviser, 1985–1988.

Admissions committee, 1985–1986.

Admissions committee for clinical psychology, 1982; 1994–1996, Chairperson, 1995/1996.

Colloquia committee for personality/social psychology, 1981–1982.

Personality/social psychology advisory committee, 1981–1982.

Curriculum committee for clinical psychology, 1981–1982.

Behavioral medicine committee for clinical psychology, 1980–1981.

University lecture series committee, 1972–1974. Chairperson, 1973.

### **Professional Experience**

Psychologist/consultant, Wheaton, IL. and Lexington, KY. 1984 to present.

Editorial Consultant, Plenum Publishing Corporation, 1986 to 1990.

Resident, University of Mississippi Medical Center, Jackson, MS.

August, 1983 to August, 1984.

#### 4 Curriculum Vitae: Charles R. Carlson

Consultant, Behavior Management Consultants, Nashville, TN.

May, 1983 to October, 1983.

Fellow, Interuniversity Psychological and Counseling Center, Vanderbilt University, Nashville, TN. September, 1982 to August, 1983.

Director of Public Relations and Unit Leader, National Youth Science Camp, West Virginia. Summers of 1973, 1979, and 1980.

Officer, Medical Service Corps, U.S. Army. May, 1975 to May, 1979.

#### **Professional Certification/Memberships**

Diplomate, American Board of Professional Psychology

Licensed Psychologist, Commonwealth of Kentucky,

Registered Psychologist, State of Illinois, Inactive

American Academy of Orofacial Pain

American Association for Dental Research

American Psychological Association

Member of Divisions 12 and 38

International Association for Dental Research

Society of Behavioral Medicine

#### **Awards/Grants**

Civism Award, Naval Postgraduate Dental School, National Naval Dental School, Bethesda, MD, 2001.

Deleeuw, R., Carlson, C.R. Davis, E., & Anderson, A. University of Kentucky Medical Center Research Award, 7/15/99-6/30/00, \$15,000.

Carlson, C. R. (PI) with Okeson, J. P., Falace, D., Nitz, A., & Reid, K.

NIDR #1 R03 DE10534-01A1. Behavioral and physiological indices of facial pain. Funded 5/1/94 – 4/30/97, Total Costs \$74,504.

University Major Equipment Grant, 1995, \$7,000

University Research Grant, 1992-1993. \$4,000

Research Equipment Grant – Physical Health Devices, 1991-1995, \$35,000/year.

University Major Equipment Grant (with J. Golding, B. Lorch, & R. Lorch), 1989.

University Research Fellowship, 1989.

Biomedical Research Support Grant, NIH, 1988-1989.

Aldeen Grant, Wheaton College, 1985 and 1987.

United States Public Health Service Training Fellowship in Clinical Psychology, 1980 to 1982.

Vanderbilt University Scholarship, 1979 to 1980.

Meritorious Service Medal, U.S. Army, 1979.

Exceptional Instructor Award, The Surgeon General of the U.S. Army, 1978.

Guss Memorial Award in Chemistry, 1974.

Department of the Army Four-Year Scholarship, 1971.

#### **Publications**

Carlson, C. R., White, D. K., & Turkat, I. D. (1982). Night terrors: A

clinical and empirical review. Clinical Psychology Review, 2, 455–468.

- Carlson, C. R., Felleman, E. S., & Masters, J. C. (1983). Influence of children's emotional states on the recognition of emotion in peers and social motives to change another's state. Motivation and Emotion, 7, 61–79.
- Carlson, C. R., Gantz, F. E., & Masters, J. C. (1983). Adults' emotional states and recognition of emotion in young children. Motivation and Emotion, 7, 81–101.
- Felleman, E. S., Barden, R. C., Carlson, C. R., Rosenberg, L., & Masters, J. C. (1983). Children's and adults' recognition of spontaneous and posed emotional expressions in young children. Developmental Psychology, 19, 405–413.
- Masters, J. C., & Carlson, C. R. (1984). Children's and adults' understanding of emotion. In C. Izard, R. Zajonc and J. Kagan (Eds.), Emotion, Cognition and Behavior. New York: Cambridge University Press.
- Turkat, I. D., & Carlson, C. R. (1984). Data-based versus symptomatic formulation of treatment: The case of a dependent personality. Journal of Behavior Therapy and Experimental Psychiatry, 15, 153–160.
- Masters, J. C., Carlson, C. R., & Rahe, D. (1985). Children's affective, behavioral, and cognitive responses to social comparison. Journal of Experimental Social Psychology, 21, 407–420.
- Carlson, C. R., & Masters, J. C. (1986). Inoculation by emotion: Effects of positive emotional states on children's reactions to social comparison. Developmental Psychology, 22, 760–765.
- Perkins, K. A., Rapp, S. R., Carlson, C. R., & Wallace, C. E. (1986). A behavioral intervention to increase exercise among nursing home residents. The Gerontologist, 26, 479–481.
- Carlson, C. R., VenTrella, M. A., & Sturgis, E. S. (1987). Relaxation training through muscle stretching procedures: A pilot case. Journal of Behavior Therapy and Experimental Psychiatry, 18, 121–126.
- Rapp, S. R., & Carlson, C. R. (1987). Attitudes towards exercise in institutions for elderly residents. Journal of Visual Impairment and Blindness, 81, 328–329.
- Carlson, C., Bacaseta, Y., & Simanton, D. (1988). A controlled evaluation of devotional meditation and progressive muscle relaxation. Journal of Psychology and Theology, 16, 362–368.
- Martin, J. E., & Carlson, C. R. (1988). Spiritual dimensions of health psychology. In W. R. Miller & J. E. Martin (Eds.), Behavior therapy and religion:

- Integrating spiritual and behavioral approaches to change. Newbury Park, CA: Sage Press.
- Carlson, C. R., Collins, F. L., Stewart, J. F., Porzelius, J., Nitz, J., & Lind, C. (1989). The assessment of emotional reactivity: A scale development and validation study. Journal of Psychopathology and Behavioral Assessment, 11, 313–325.
- Carlson, C. R., Collins, F. L., Nitz, A. J., Sturgis, E. S., & Rogers, J. L. (1990). Muscle stretching as an alternative relaxation training procedure. Journal of Behavior Therapy and Experimental Psychiatry, 21, 29–38.
- Carlson, C. R., & Nitz, A. J. (1991). Negative side effects of self-regulation training: Relaxation training and the role of the professional in service delivery. Biofeedback and Self-Regulation, 16, 191–197.
- Carlson, C. R., Okeson, J. P., Falace, D. A., Nitz, A. J., & Anderson D. (1991). Stretch-based relaxation and the reduction of EMG activity among masticatory muscle pain patients. Journal of Craniomandibular Disorders: Facial and Oral Pain, 5, 205–212.
- Bruehl, S., Carlson, C. R., & McCubbin, J. A. (1992). The relationship between pain sensitivity and blood pressure in normotensives. Pain, 48, 463–467.
- Bernstein, D. A., & Carlson, C. R. (1992). Progressive relaxation: Abbreviated methods. In P. M. Lehrer & R. Woolfolk (Eds.), Principles and practices of stress management (2nd ed). New York: Guilford.
- Kay, J. A., & Carlson, C. R. (1992). The role of stretch-based relaxation in the treatment of chronic neck tension. Behavior Therapy, 23, 423–431.
- Bruehl, S., & Carlson, C. R. (1992). Predisposing psychological factors in the development of reflex sympathetic dystrophy: A review of the empirical evidence. Clinical Journal of Pain, 8, 287–299.
- Carlson, C. R., Okeson, J. P., Falace, D. A., Nitz, A. J., Curran, S. L., & Anderson, D. (1993). A comparison of psychological and physiological functioning between patients with masticatory muscle pain and matched controls. Journal of Orofacial Pain, 7, 15–22.
- Bruehl, S., Carlson, C. R., & McCubbin, J. A. (1993). Two brief interventions for acute pain. Pain, 54, 29–36.
- Carlson, C. R., Okeson, J. P., Falace, D. A., Nitz, A. J., & Lindroth, J. E. (1993). Reductions of pain and EMG activity in the masseter region by trapezius trigger point injection. Pain, 55, 397–400.

- Carlson, C. R., & Hoyle, R. L. (1993). Efficacy of abbreviated progressive muscle relaxation training: A quantitative review. Journal of Consulting and Clinical Psychology, *61*, 1059–1067.
- Bruehl, S., McCubbin, J. A., Wilson, J. F., Montgomery, T., Ibarra, P., & Carlson, C. R. (1994). Coping styles, endogenous opioids, and cardiovascular response to stress. Journal of Behavioral Medicine, *17*, 25–40.
- Ibarra, P., Bruehl, S. P., McCubbin, J. A., Carlson, C. R., Wilson, J. F., Norton, J. A., & Montgomery, T. B. (1994). An unusual reaction to opioid blockade with naltrexone in a case of posttraumatic stress disorder. Journal of Traumatic Stress, *7*, 303–309.
- Carlson, C. R., & Curran, S. L. (1994). Stretch-based relaxation training. Patient Education and Counseling, *23*, 5–12.
- Carlson, C. R., & Bernstein, D. A. (1995). Relaxation skills: Abbreviated progressive relaxation. In W. O'Donohue & L. Krasner (Eds.), Handbook of psychological skills training. Needham, MA: Allyn & Bacon.
- Collins, F. L., Carter, B. S., Kuhn, B. R., & Carlson, C. R. (1995). Computerized measurement of visual analog scales. Behavior Therapist, *18*, 101–102.
- Curran, S. L., Sherman, J. J., Cunningham, L. C., Okeson, J. P., Reid, K. I., & Carlson, C. R. (1995). Physical and sexual abuse among orofacial pain patients: Linkages with pain and psychologic distress. Journal of Orofacial Pain, *9*, 340–346.
- Carlson, C. R., Wynn, K. T., Edwards, B. A., Okeson, J. P., & Nitz, A. (1996). Ambulatory EMG activity in the upper trapezius region: Muscle pain vs. pain-free control subjects. Spine, *21*, 595–599.
- McCubbin, J. A., Wilson, J. F., Bruehl, S., Ibarra, P., Carlson, C. R., Norton, J. A., & Colclough, G. W. (1996). Relaxation training and opioid inhibition of blood pressure response to stress. Journal of Consulting and Clinical Psychology, *64*, 593–601.
- Bruehl, S., Carlson, C. R., Wilson, J. F., Norton, J. A., Colclough, G., Brady, M. J., Sherman, J. J., & McCubbin, J. A. (1996). Psychological coping with acute pain: An examination of the role of endogenous opioid mechanisms. Journal of Behavioral Medicine, *19*, 129–142.
- Curran, S. L., Carlson, C. R., & Okeson, J. P. (1996). Emotional and physiological responses to laboratory challenge: Temporomandibular disorder patients versus matched controls. Journal of Orofacial Pain, *10*, 141–150.

- Bruehl, S., McCubbin, J. A., Carlson, C. R., Wilson, J. F., Norton, J. A., Colclough, G., Brady, M. J., & Sherman, J. J. (1996). The psychobiology of hostility: Possible endogenous opioid mechanisms. International Journal of Behavioral Medicine, 3, 163-176.
- Reid, K. I., Carlson, C. R., Sherman, J. J., Curran, S. L., & Gracely, R. H. (1996). The influence of a sympathomimetic amine on masticatory and trapezius pain-pressure thresholds and EMG levels. Oral Surgery, Oral Medicine, Oral Pathology, 82, 525-531.
- Reid, K. I., Carlson, C. R., Rayens, M. K., & Gracely, R. H. (1996). The influence of cutaneous tissue afferents on masticatory pain pressure thresholds. Journal of Orofacial Pain, 10, 324-329.
- Sherman, J. J., Carlson, C. R., McCubbin, J. A., & Wilson, J. F. (1997). Effects of stretch-based progressive relaxation training on the secretion of salivary Immunoglobulin A in orofacial pain patients. Journal of Orofacial Pain, 11, 115-124.
- Carlson, C. R., Sherman, J. J., Studts, J.L. & Bertrand, P.M. (1997). The effects of tongue position on mandibular muscle activity. Journal of Orofacial Pain, 11, 291-297.
- Bruehl, S., Lofland, K. R., Sherman, J. J., & Carlson, C. R. (1998). The variable responding scale for detection of random responding on the Multidimensional Pain Inventory. Psychological Assessment, 10, 3-9.
- Carlson, C. R., Reid, K. I., Curran, S. L., Studts, J., Okeson, J. P., Falace, D., Nitz, A., & Bertrand, P. M. (1998). Psychological and physiological parameters of masticatory muscle pain. Pain, 76, 297-307.
- Carlson, C. R., & Cordova, M. (1999). Sleep disorders in childhood and adolescence. In S. D. Netherton, D. Holmes, & C. E. Walker (Eds.), Child and Adolescent Psychological Disorders: A Comprehensive Textbook. New York: Oxford University Press.
- Carlson, C. R., Miller, C. S., & Reid, K. I. (2000). Psychosocial profiles of patients with Burning Mouth Syndrome. Journal of Orofacial Pain, 14, 59-64.
- Branch, M. A., Carlson, C. R., & Okeson, J. P. (2000). Influence of biased clinician statements on patient report of referred pain. Journal of Orofacial Pain, 14, 120-127.
- Carlson, C. R., Bertrand, P. M., Ehrlich, A. D., Maxwell, A. W., & Burton, R. G. (2001). Physical self-regulation training for the management of temporomandibular disorders. Journal of Orofacial Pain, 15, 47-55.

- Venable, V. L., Carlson, C. R., & Wilson, J. (2001). The role of anger and depression in recurrent headache. Headache, 41, 21-30.
- Cordova, M. J., Cunningham, L. L. C., Carlson, C. R., & Andrykowski, M. A. (2001) Posttraumatic growth following breast cancer: A controlled comparison study. Health Psychology, 20, 176-185
- Cordova, M. J., Cunningham, L. L. C., Carlson, C. R., & Andrykowski, M. A. (2001). Social constraints, cognitive processing, and adjustment to breast cancer. Journal of Consulting and Clinical Psychology, 69. 706-711.
- Carlson, C. R. (2002). Stretch-based relaxation training. In M. Hersen & W. Sledge (Eds.), The Encyclopedia of Psychotherapy. New York: Academic Press.
- Humphrey, S., Lindroth, J., & Carlson, C. R. (2002). Routine dental care with TMD patients. Journal of Orofacial Pain, 16, 129-134.
- Yatani, H., Studts, J., Cordova, M., Carlson, C. R., & Okeson, J.P. (2002). Comparison of sleep quality and clinical and psychological characteristics in patients with temporomandibular disorders. Journal of Orofacial Pain, 16, 221-228.
- Danhauer, S.C., Miller, C.S., Rhodus, N.L., & Carlson, C.R. (2002). Impact of criteria-based diagnosis of Burning Mouth Syndrome on treatment outcome. Journal of Orofacial Pain, 16, 305-311.
- Lindroth, J., Schmidt, J. & Carlson, C.R. (2002). A comparison between masticatory muscle pain patients and intracapsular pain patients on behavioral and psychosocial dimensions. Journal of Orofacial Pain, 16, 277-283.
- Carlson, C. R., Orhbach R., & Milliner, E.K. (in press). Biobehavioral factors in the etiology and management of orofacial pain: Basic principles and psychopathological conditions. In R. S. Rosenbaum, ed., Orofacial Pain: Guidelines for assessment, diagnosis, and management. Chicago: Quintessence.
- Carlson, C.R. (in press). Treatment planning for biobehavioral issues. In R. S. Rosenbaum, ed., Orofacial Pain: Guidelines for assessment, diagnosis, and management. Chicago: Quintessence

### **Book Reviews**

- Carlson, C. R. (1989) A fresh look at the world of children. Contemporary Psychology, 34, 181-182.
- Carlson, C. R. (1997). L. S. Keller and J. N. Butcher: Assessment of chronic pain patients with the MMPI-2. Contemporary Psychology, 42, 358.
- Carlson, C. R. (2002). A pain primer for the practitioner interested in behavioral dentistry. Contemporary Psychology, 47, 528-530.

### **Empirically-validated Treatment Protocols**

Carlson, C.R., & Bertrand, P.M. (1995). Self-regulation training manual.

Carlson, C.R., & Collins, F.L. (1997). A guided approach to stretch-based relaxation training, 2<sup>nd</sup> ed.

### **Presentations**

Carlson, C. R., Felleman, E. S., & Masters, J. C. Influence of emotion on emotion recognition and social intervention. Paper presented at the annual meetings of the American Psychological Association, Los Angeles, 1981.

Felleman, E. S., Barden, R. C., Rosenberg, L., Carlson, C. R., & Blumthal, A. Children's and adults' recognition of emotional states in young children. Paper presented at the annual meetings of the American Psychological Association, Los Angeles, 1981.

Carlson, C. R. Human emotions and their behavioral consequences. Paper presented at the National Youth Science Camp, West Virginia, 1982.

Carlson, C. R. The use of videogames in a forensic environment. Paper presented at the annual meetings of the Southeastern Psychological Association, Atlanta, 1984.

Perkins, K., Rapp, S., & Carlson, C. Therapeutic use of exercise in an elderly population. Paper presented at the annual meetings of the Association for the Advancement of Behavior Therapy, Philadelphia, 1984.

Carlson, C. R. Children's emotions and their responses to social comparisons. Paper presented at the annual meetings of the Society for Research in Child Development. Toronto, 1985.

Carlson, C. R., Nitz, A. J., & Sturgis, E. S. Muscle relaxation revisited: Alternatives to tensing tense patients. Paper presented at the annual meetings of the Association for the Advancement of Behavior Therapy, Houston, 1985.

Rapp, S., & Carlson, C. Exercise and institutionalized elderly: Staff and resident attitudes. Paper presented at the annual meetings of the Geriatric Society of America, New Orleans, 1985.

Carlson, C. R., Stewart, J. F., Nitz, L., & Lind, C. O. Behavioral formulation and the clinical assessment of emotion. Paper presented at the annual meetings of the Association for the Advancement of Behavior Therapy, Chicago, 1986.

Carlson, C. R., MacDonald, C. T., Loizeaux, A. L., & VenTrella, M. A. Using

propositional sets to enhance the induction of children's emotions. Paper presented at the biennial meetings of the Society for Research in Child Development, Baltimore, 1987.

MacDonald, C. T., & Carlson, C. R. Using emotion inductions as inoculations in the pediatric immunization clinic. Paper presented at the annual meetings of the Association for the Advancement of Behavior Therapy, Boston, 1987.

Carlson, C. R., Collins, F. L., Nitz, A. J., Sturgis, E. S., & Rogers, J. L. Relaxation training with muscle stretching procedures. Paper presented at the annual meetings of the Association for Advancement of Behavior Therapy, New York City, 1988.

Collins, F. L., Carlson, C. R., & Jones, K. R. The effects of pre-stress arousal on the measurement of psychophysiological reactivity. Paper presented at the annual meetings of the Society of Behavioral Medicine, Boston, 1988.

Collins, F. L., Sexton-Radik, K., & Carlson, C. R. The relationship between facial muscle activity and self-report of emotion during mental arithmetic and cold pressor challenge. Paper presented at the annual meetings of the Society of Behavioral Medicine, San Francisco, 1989.

Bruehl, S., Carlson, C. R., & McCubbin, J. A. The relationship between pain sensitivity and blood pressure in normotensives. Paper presented at the annual meetings of the American Psychological Association, Boston, 1990.

Carlson, C. R., Eaton, B., & Collins, F. L. The evaluation of emotional responding during laboratory challenge. Paper presented at the annual meetings of the Society of Behavioral Medicine, Chicago, 1990.

Workman, D. E., Budd, K. S., Carlson, C. R., Dackman, R. S., & Dackman, C. B. Primary fibrositis syndrome: An innovative behavioral medicine treatment protocol. Paper presented at the annual meetings of the Society of Behavioral Medicine, Chicago, 1990.

Bruehl, S., Carlson, C. R., & McCubbin, J. A. An evaluation of two brief psychological interventions for controlling acute pain. Paper presented at the annual meetings of the Society of Behavioral Medicine, Washington, D.C., 1991.

Collins, F. L., Carter, B. S., Kuhn, B. R., & Carlson, C. R. Computerized measurement of visual analog scales. Paper presented at the annual meetings of the Association for the Advancement of Behavior Therapy, New York, 1991.

Kay, J. A., & Carlson, C. R. The role of stretch-based relaxation in the treatment of chronic neck tension. Paper presented at the annual meetings of the Society of Behavioral Medicine, Washington, D.C., 1991.

- Bruehl, S., Carlson, C. R., Baxter, S., & Curran, S. A comparison of alternative measures of repressive coping styles. Paper presented at the annual meetings of the Society of Behavioral Medicine, New York, 1992.
- Carlson, C. R., Okeson, J., Falace, D., Nitz, A., & Anderson, D. A comparison of psychological and physiological functioning between patients with facial muscle pain and matched controls. Paper presented at the annual meeting of the Society of Behavioral Medicine, New York, 1992.
- Carlson, C. R. The role of clinical psychology in the treatment of temporomandibular disorders. Invited address at the annual meetings of the American Equilibration Society, Chicago, February, 1993.
- Carlson, C. R. Clinical psychology and the treatment of temporomandibular disorders. Colloquium at the University of Minnesota, TMJ Clinic, March, 1993.
- Carlson, C. R. Psychological factors associated with muscle pain. Invited address at the annual conference of the Kentucky Coalition of Nurse Practitioners/Nurse Midwives, Louisville, April, 1993.
- Carlson, C. R. Clinical psychology and the treatment of orofacial pain. Invited address to the annual meetings of the Kentucky Psychological Association, Louisville, KY., October, 1993.
- Brady, M. J., Bruehl, S., Carlson, C. R., McCubbin, J. A., Wilson, J. F., Norton, J. A., Sherman, J. J., Lamb, G., & Colclough, G. The relationship between commitment and salivary immune response: Independence from opioid activity and negative affectivity. Paper presented at the annual meetings of the Society of Behavioral Medicine, Boston, 1994.
- Bruehl, S., Carlson, C. R., Wilson, J. F., Norton, J. A., Colclough, G., Brady, M. J., Sherman, J. J., & McCubbin, J. A. Psychological coping with acute pain: An examination of the role of endogenous opioid mechanisms. Paper presented at the annual meetings of the Society of Behavioral Medicine, Boston, 1994.
- Bruehl, S., McCubbin, J. A., Carlson, C. R., Wilson, J. F., Norton, J. A., Colclough, G., Brady, M. J., & Sherman, J. J. The psychobiology of hostility: Possible endogenous opioid mechanisms. Paper presented at the annual meetings of the Society of Behavioral Medicine, Boston, 1994.
- Carlson, C. R., Wynn, K. T., Edwards, J., Okeson, J. P., Nitz, A. J., Workman, D., & Cassisi, J. Ambulatory EMG activity in the upper trapezius region: Muscle pain patients vs. pain-free controls. Paper presented at the annual meetings of the Society of Behavioral Medicine, Boston, 1994.
- Curran, S. L., Carlson, C. R., Hoyle, R. H., Sherman, J. J., & Okeson, J. P. The

prediction of temporomandibular disorders using a structural equation modeling approach. Paper presented at the annual meetings of the Society of Behavioral Medicine, Boston, 1994.

Curran, S. L., Carlson, C. R., & Okeson, J. P. Behavioral and physiological responses to laboratory challenge: Temporomandibular disorder patients vs. matched controls. Paper presented at the annual meetings of the Society of Behavioral Medicine, Boston, 1994.

Ibarra, P., Wilson, J. F., McCubbin, J. A., Carlson, C. R., Bruehl, S., Norton, J. A., & Colclough, G. Relaxation training and opioidergic inhibition of emotional reactivity to stress. Paper presented at the annual meetings of the Society of Behavioral Medicine, Boston, 1994.

McCubbin, J. A., Wilson, J. F., Bruehl, S., Ibarra, P., Carlson, C. R., Norton, J. A., & Colclough, G. Relaxation and opioidergic inhibition of blood pressure reactivity. Paper presented at the annual meetings of the Society of Behavioral Medicine, Boston, 1994.

Branch, A., Reid, K., Okeson, J., & Carlson, C. The influence of bias on patient report of referred pain. Paper presented at the annual meetings of the American Academy of Orofacial Pain, Orlando, 1995.

Curran, S., Sherman, J., Okeson, J., & Carlson, C. Physical and sexual abuse among orofacial pain patients: Linkages with pain and psychologic distress. Paper presented at the annual meetings of the American Academy of Orofacial Pain, Orlando, 1995.

Edwards, C., Carlson, C., & McCubbin, J. Pain-induced emotional memory modulation. Paper presented at the annual meetings of the Society of Behavioral Medicine, San Diego, 1995.

Ibarra, P., McCubbin, J., Carlson, C., Wilson, J., & Norton, J. The relationship between cardiovascular activity and coping styles in females. Paper presented at the annual meetings of the Society of Behavioral Medicine, San Diego, 1995.

Reid, K., Carlson, C., Sherman, J., Curran, S., & Gracely, R. The influence of sympathomimetic amine on masticatory and trapezius pain-pressure thresholds and EMG levels. Paper presented at the annual meetings of the American Academy of Orofacial Pain, Orlando, 1995.

Sherman, J., Carlson, C., McCubbin, J., & Wilson, J. The effect of relaxation on salivary immunoglobulin A in facial pain patients. Paper presented at the annual meetings of the Society of Behavioral Medicine, San Diego, 1995.

- Sherman, J., Carlson, C., Okeson, J., Cordova, M., & Waxenberg, L. Humor induction as an intervention for reducing acute pain. Paper presented at the annual meetings of the Society of Behavioral Medicine, San Diego, 1995.
- Wynn, K., Carlson, C., Baer, R., & McCubbin, J. Stretch-based relaxation training: Reducing physiological and emotional reactivity in persons at risk for the development of hypertension. Paper presented at the annual meetings of the Society of Behavioral Medicine, San Diego, 1995.
- Carlson, C., Sherman, J., & Studts, J. The effects of tongue position on muscle activity in the face. Paper presented at the annual meetings of the American Association of Dental Research, San Francisco, 1996.
- Cordova, M.J., Carlson, C.R., McCubbin, J., & Wilson, J. The effects of end tidal carbon dioxide feedback on pressure pain thresholds. Paper presented at the annual meetings of the Society of Behavioral Medicine, Washington, D.C., 1996.
- Waxenberg, L., Carlson, C., Baer, R., & McCubbin, J. Revisiting traumatic events: Moderators of emotional and physiological reactivity. Paper presented at the annual meetings of the Society of Behavioral Medicine, Washington, D.C., 1996.
- Bruehl, S., Lofland, K., Husfeldt, B, Sherman, J., Carlson, C. Detection of response bias on the multidimensional pain inventory. Paper presented at the annual meetings of the American Pain Society, 1996.
- Carlson, C. R. Invited presentations: (1) Psychological factors in orofacial pain and (2) Physical Self Regulation Training. Continuing Education Course on Temporomandibular Disorders/Orofacial Pain., National Naval Medical Center, Bethesda, MD, 1996.
- Carlson, C. R., Miller, C. S., & Reid, K. I. Psychosocial profiles of patients with Burning Mouth Syndrome. Paper presented at the annual meetings of the American Academy of Orofacial Pain, San Diego, CA, 1997.
- DeLeeuw, R., Reid, K. & Carlson, C. Intersession repeatability of thermal detection and pain thresholds of orofacial tissues in humans. Paper presented at the annual meetings of the American Academy of Orofacial Pain, San Diego, CA, 1997.
- Carlson, C. R., Reid, K., Curran, S., Studts, J., Okeson, J., Falace, D., & Nitz, A. Behavioral and physiological indices of masticatory muscle pain. Paper presented at the annual meetings of the American Association of Dental Research, Orlando, FL, 1997.
- Carlson, C. R. Invited presentations: (1) Psychological factors in orofacial pain and (2) Physical Self Regulation Training. Continuing Education Course on Temporomandibular Disorders/Orofacial Pain., National Naval Medical Center, Bethesda, MD, 1997.

- Carlson, C. R. Invited presentation: Developing control of fear, pain, and anxiety. National Naval Medical Center, Bethesda, MD, 1997.
- Studts, J., Carlson, C., Cordova, M., Drungle, S, Campbell, K, & Okeson, J. A componential model for predicting cervical and masticatory muscle pain. Paper presented at the annual meetings of the American Association for Dental Research, Minneapolis, 1998.
- Sherman, J., Carlson, C., Cordova, M., Mager, W., Studts, J., Mosko, M, & Okeson, J. Identification of post-traumatic stress disorder in orofacial pain patients. Paper presented at the annual meetings of the American Association for Dental Research, Minneapolis, 1998.
- Waxenberg, L., & Carlson, C. The burden of emotional disclosure: Short-term costs of revisiting traumatic events. Paper presented at the annual meetings of the Society of Behavioral Medicine, New Orleans, 1998.
- Yatani, H, Studts, J.L., Cordova, M.J., Carlson, C.R., & Okeson, J.P. Comparison of clinical characteristics between good sleepers and poor sleepers with temporomandibular disorders. Paper presented at the annual meetings of the International Association for Dental Research, Nice, France, 1998.
- DeLeeuw, R., Reid, K., Carlson, C.R. Sex differences in dynamic temperature perception. Paper presented at the annual meetings of the American Academy of Orofacial Pain, Washington, D.C., 1998.
- Lauten, J., Carlson, C., Okeson, J., & Miller, C. Intersession reliability of somatosensory testing in chronic temporomandibular disorder patients. Paper presented at the annual meeting of the American Academy of Orofacial Pain, Washington, D.C., 1998.
- DeLeeuw, R., & Carlson, C. Validation of post-traumatic stress disorder (PTSD) symptoms in orofacial pain patients. Paper presented at the Sixth Annual Congress on Women's Health, Society for the Advancement of Women's Health Research, Washington, D.C., 1998.
- Carlson, C. R. Invited address: Psychological factors in the treatment of orofacial pain. Presented at the Multidisciplinary Symposium of Cranium-Cervical Facial Pain, Curitiba, Parana, Brazil, 1998.
- Carlson, C. R. Invited presentations: (1) Psychological factors in orofacial pain and (2) Physical Self Regulation Training. Continuing Education Course on Temporomandibular Disorders/Orofacial Pain., National Naval Medical Center, Bethesda, MD, 1998.

- Carlson, C. R. Invited presentation: Developing control of fear, pain, and anxiety. National Naval Medical Center, Bethesda, MD, 1998.
- Drungle, S., Studts, J., Carlson, C. R. Smoking behavior and pain severity in orofacial pain patients. Paper presented at the annual meetings of the Society of Behavioral Medicine, San Diego, 1999.
- Studts, J & Carlson, C. R. Psychological factors distinguishing neuropathic and myofascial pain patients. Paper presented at the annual meetings of the American Association for Dental Research, Vancouver, B.C., 1999.
- Carlson, C. R., Bertrand, P., Ehrlich, D, Maxwell, A., & Burton, R. Physical self-regulation training for the management of trigeminal pain. Paper presented at the annual meetings of the American Association for Dental Research, Vancouver, B.C., 1999.
- Carlson, C. R. Invited address: Psychological considerations for the management of chronic orofacial pains. Presented at the annual meetings of the American Association of Endodontists, Atlanta, 1999.
- Fernandes, P. R. B., Carlson, C. R., Studts, J. L., DeLeeuw, R., & Okeson, J. P. An evaluation of sex differences in symptom reports of orofacial pain patients. Paper presented at the annual meetings of the American Academy of Orofacial Pain, Colorado Springs, CO, 1999.
- Carlson, C.R. Self-regulation strategies for the management of fatigue, pain, and anxiety. Invited Continuing Education Workshop, Walter Reed Army Medical Center, Washington, D.C., 1999.
- Carlson, C. R. Psychological factors in the treatment of orofacial pains. Invited address to the Orofacial Pain/Temporomandibular Disorders Course, Naval Postgraduate Dental School, National Naval Dental Center, Bethesda, MD, 1999.
- Carlson, C. R. Physical self-regulation strategies. Invited address to the Orofacial Pain/Temporomandibular Disorders Course, Naval Postgraduate Dental School, National Naval Dental Center, Bethesda, MD, 1999.
- Carlson, C. R. Developing control of fear, pain, and anxiety. Invited address to the Nitrous Oxide Sedation Course, Naval Postgraduate Dental School, National Naval Dental Center, Bethesda, MD, 1999.
- Studts, J., De Leeuw, R., & Carlson, C. R. Fatigue measures used in psychosomatic medicine: A psychometric comparison. Paper presented at the annual meetings of the American Psychosomatic Society, Savannah, GA, 2000.

- Drungle, S., Miller, C. S., Studts, J. L., & Carlson, C. R. Impact of criteria-based diagnosis on treatment of Burning Mouth Syndrome. Paper presented at the annual meetings of the International Association of Dental Research, Washington, D.C., 2000.
- De Leeuw R., Studts, J. L., Carlson, C. R. Fatigue and fatigue-related symptoms in temporomandibular pain patients. Paper presented at the annual meetings of the International Association of Dental Research, Washington, D.C., 2000.
- Humphrey, S. P., Lindroth, J., & Carlson, C. R. Routine dental care with TMD patients. Paper presented at the annual meetings of the American Association of Dental Schools, Washington, D.C., 2000.
- Davis, C. E., & Carlson, C.R. Prediction of temporomandibular disorders using a structural equation model. Paper presented at the annual meetings of the Society of Behavioral Medicine, Nashville, TN, 2000.
- Venable, V., Carlson, C. R., & Wilson, J. The role of anger and depression in recurrent headache. Paper presented at the annual meetings of the Society of Behavioral Medicine, Nashville, TN, 2000.
- Scales, D., & Carlson, C. R. The development of gender differences in respiration pattern and rate. Paper presented at the annual meetings of the Society of Behavioral Medicine, Nashville, TN, 2000.
- Carlson, C.R. Self-regulation strategies for the management of fatigue, pain, and anxiety. Invited Continuing Education Workshop, Walter Reed Army Medical Center, Washington, D.C., 2000.
- Carlson, C. R. Psychological factors in the treatment of orofacial pains. Invited address to the Orofacial Pain/Temporomandibular Disorders Course, Naval Postgraduate Dental School, National Naval Dental Center, Bethesda, MD, 2000.
- Carlson, C. R. Physical self-regulation strategies. Invited address to the Orofacial Pain/Temporomandibular Disorders Course, Naval Postgraduate Dental School, National Naval Dental Center, Bethesda, MD, 2000.
- Carlson, C. R. Physical self-regulation strategies for the management of fatigue, pain, and fear. Invited address at the meetings of the American Academy of Orofacial Pain, Chicago, 2000.
- Carlson, C.R. Self-regulation strategies for the management of fatigue, pain, and anxiety. Invited Continuing Education Workshop, Tripler Army Medical Center, Honolulu, HI, 2001.

- Bertrand, P. M & Carlson, C. R. Orofacial Pain/Temporomandibular Disorders: The clinical management of fatigue, pain, and fear. Invited Continuing Education Workshop, Tripler Army Medical Center, Honolulu, HI, 2001.
- Venable, V. L., Carlson, C. R., Studts, J. L., de Leeuw, R., & Okeson, J. P. Physical activity, psychological distress, and sleep dysfunction in myofascial pain. Paper presented at the annual meetings of the American Association for Dental Research, Chicago, 2001.
- Studts, J. L., de Leeuw, R., & Carlson, C. R. Symptom structure of fatigue: A multidimensional or unidimensional construct for behavioral medicine? Paper presented at the annual meetings of the American Psychosomatic Society, Monterey, CA, 2001.
- Lindroth, J. E., Schmidt, J. E., & Carlson, C. R. A comparison between masticatory muscle pain and intracapsular pain patients on behavioral and psychosocial domains. Paper presented at the annual meetings of the American Academy of Orofacial Pain, Washington, D.C., 2001.
- Nery, C. G., Carlson, C. R., Davis, C. E., Okeson, J. P., Miller, C. S., & de Leeuw, R. Patterns of pain and electromyographic activity from experimental trapezius pain. Paper presented at the annual meetings of the American Academy of Orofacial Pain, Washington, D.C., 2001.
- De Leeuw, R., Davis, C. E., Andersen, A. H., & Carlson, C. R. Cerebral activation during thermal and emotional challenges: An fMRI study. Paper presented at the annual meetings of the American Pain Society, Phoenix, AZ, 2001.
- Carlson, C. R. Psychological factors in the treatment of orofacial pains. Invited address to the Orofacial Pain/Temporomandibular Disorders Course, Naval Postgraduate Dental School, National Naval Dental Center, Bethesda, MD, 2001.
- Carlson, C. R. Physical self-regulation strategies. Invited address to the Orofacial Pain/Temporomandibular Disorders Course, Naval Postgraduate Dental School, National Naval Dental Center, Bethesda, MD, 2001.
- Carlson, C. R. Developing control of fear, pain, and anxiety. Invited address to the Nitrous Oxide Course, Naval Postgraduate Dental School, National Naval Dental Center, Bethesda, MD, 2001.
- Carlson, C.R. Self-regulation strategies for the management of fatigue, pain, and anxiety. Invited Continuing Education Workshop, Tripler Army Medical Center, Honolulu, HI, 2002.
- Heaton, L.J., Smith, T.A., Quevedo, A.S., & Carlson, C.R. Predictors of dental fear reactions while viewing videotaped dental scenes. Paper presented at the

- annual meetings of the American Association of Dental Research, San Diego, CA, 2002.
- Schmidt, J.E., Baer R., DeLeeuw, R., & Carlson, C. R. Use of the NEO-Five Factor Inventory with orofacial pain patients. Paper presented at the annual meetings of the Society of Behavioral Medicine, Washington, D.C., 2002.
- Carlson, C.R. Psychosocial issues of the orofacial pain patient. Invited address at the annual meetings of the American Academy of Orofacial Pain. San Antonio, TX, 2002.
- DeLeeuw, R, Davis, C.E., Andersen, A., & Carlson, C.R. Brain activation during trigeminal thermal stimulation and a pain Stroop task: an fMRI study. Paper presented at the annual meetings of the American Academy of Orofacial Pain. San Antonio, TX, 2002.
- Carlson, C. R. Psychology and the orofacial pain patient. Invited address to the Orofacial Pain/Temporomandibular Disorders Course, Naval Postgraduate Dental School, National Naval Dental Center, Bethesda, MD, 2002.
- Carlson, C. R. Physical self-regulation strategies. Invited address to the Orofacial Pain/Temporomandibular Disorders Course, Naval Postgraduate Dental School, National Naval Dental Center, Bethesda, MD, 2002.
- Carlson, C. R. Developing control of fear, pain, and anxiety. Invited address to the Nitrous Oxide Course, Naval Postgraduate Dental School, National Naval Dental Center, Bethesda, MD, 2002.
- Carlson, C.R. Self-regulation strategies for the management of fatigue, pain, and anxiety. Invited Continuing Education Workshop, Tripler Army Medical Center, Honolulu, HI, 2003.
- Carlson, C.R. Psychosocial issues of the orofacial pain patient. Invited address, Keio Medical University, Tokyo, Japan, 2003.
- Carlson, C.R. Psychosocial issues of the orofacial pain patient. Invited address, Kyushu National University, Fukuoka, Japan, 2003.
- Carlson, C.R. Psychosocial issues of the orofacial pain patient. Invited address, Okayama University, Okayama, Japan, 2003.
- Carlson, C.R. The heart of character. Invited presentation at the United States Air Force Academy, CO, 2003.
- Carlson, C.R. Physical self-regulation for the management of chronic orofacial pain disorders. Invited address, Fifteenth annual Orofacial Pain Alumni Symposium, Lexington, KY, 2003.

Salsman, J.M., Brown, T.L., Brechting, E.H., & Carlson, C.R. Beyond positive psychology: Linking spirituality, religiosity, mental health, and alcohol. Paper presented at the annual meetings of the Southeastern Psychological Association, New Orleans, 2003.

Brechting, E.H., Brown, T.L., Salsman, J., & Carlson, C.R. Religiosity and alcohol use: Is the glass half full? Paper presented at the annual meetings of the Southeastern Psychological Association, New Orleans, 2003.

Heaton, L., Beacham, A., & Carlson, C.R. Incidence of traumatic events and PTSD symptoms in orofacial pain patients: Implications for treatment. Paper presented at the annual meetings of the International Association for Dental Research, Goteborg, Sweden, June, 2003.

**References**

Frank L. Collins, Ph.D.  
Professor of Psychology  
Department of Psychology  
Oklahoma State University  
Stillwater, OK 74078

Stanton L. Jones, Ph.D.  
Provost  
Wheaton College  
Wheaton, IL 60187

Michael T. Nietzel, Ph.D.  
Provost  
University of Kentucky  
Lexington, KY 40506

Rick L. Hoyle, Ph.D.  
Professor and Chair  
Department of Psychology  
University of Kentucky  
Lexington, KY 40506-0044

