

Comprehensive Neurofeedback Bibliography

D. Corydon Hammond, PhD

Professor, Physical Medicine & Rehabilitation
University of Utah School of Medicine

Frank H. Duffy, M.D., Professor and Pediatric Neurologist at Harvard Medical School, stated in an editorial in the January 2000 issue of the journal Clinical Electroencephalography that the scholarly literature suggests that neurofeedback should play a major therapeutic role in many difficult areas. "In my opinion, if any medication had demonstrated such a wide spectrum of efficacy it would be universally accepted and widely used" (p. v). "It is a field to be taken seriously by all." (p. vii).

The references below are primarily outcome studies and case reports, with an occasional reference to significant conceptual papers or reviews. References will occasionally appear under more than one problem area when the paper deals with more than one disorder.

The following reference provides guidelines for objectively evaluating the efficacy of neurofeedback treatments...

La Vaque, T. J., Hammond, D. C., Trudeau, D., Monastera, V., Perry, J., Lehrer, P., Matheson, D., & Sherman, R. (2002). Template for developing guidelines for the evaluation of the clinical efficacy of psychophysiological interventions. Applied Psychophysiology & Biofeedback, 27(4), 273-281.

*Many of the following references are available online as indicated by the underlined links in this color. Most of the work to accomplish this was provided by **Horace Simmons**. As additional links become known they will be activated. Because these are external links there can be no assurances they won't be changed or deleted.*

List of Topics: academic cognitive enhancement, ADD, ADHD, addiction, adverse reactions, anger, anxiety, asthma, autism, autoimmune disorders, brain injury, cerebral palsy, creativity, chronic fatigue, cognitive decline, coma, criminals, depression, dissociative disorders, epilepsy, fibromyalgia, headache, hematoencephalography, hypertension, learning disability, LORETA, obsessive-compulsive, optimal functioning, post traumatic stress, pain, Parkinson's, pre-menstrual, review articles, schizophrenia, sleep, slow cortical potential neurofeedback, spasticity, standards, stroke, theoretical treatises, tinnitus, Tourette's. These are "bookmarks" to jump directly to the respective sections of this very long document.

Epilepsy

Andrews, D. J., & Schonfeld, W. H. (1992). Predictive factors for controlling seizures using a behavioural approach. Seizure, 1(2), 111-116.

Ayers, M. E. (1988). Long-term clinical treatment follow-up of EEG neurofeedback for

epilepsy. [Epilepsy Support Program Newsletter](#), 3(2), 8-9.

Ayers, M. E. (1995). Long-term follow-up of EEG neurofeedback with absence seizures. [Biofeedback & Self-Regulation](#), 20(3), 309-310.

Birbaumer, N., Elbert, T., Rockstroh, B., Daum, I., Wolf, P., & Canavan, A. (1991). Clinical psychological treatment of epileptic seizures: A controlled study. Chapter in A. Ehlers et al. (Eds.), [Perspectives and Promises of Clinical Psychology](#). New York: Plenum Press.

Cott, A., Pavloski, R. P., & Black, A. H. (1979). Reducing epileptic seizures through operant conditioning of central nervous system activity: Procedural variables. [Science](#), 203, 73-75.

Daum, I., Rockstroh, B., Birbaumer, N., Elbert, T., Canavan, A., Lutzenberger, W. (1993). Behavioral treatment of slow cortical potentials in intractable epilepsy: Neuropsychological predictors of outcome. [Journal of Neurosurgery & Psychiatry](#), 56 94-97.

Elbert, T., Rockstroh, B., Canavan, A., Birbaumer, N., Lutzenberger, W., von Bulow, I., & Linden, A. (1990). Self-regulation of slow cortical potentials and its role in epileptogenesis. Chapter in J. Carlson & R. Seifert (Eds.), [Biobehavioral Self-Regulation and Health](#). New York: Plenum Press.

Elbertsen, B., & Klove, H. (1976). Clinical application of biofeedback training in epilepsy. [Scandinavian Journal of Behavior Therapy](#), 5, 133-144.

Engel, J., Troupin, A. S., Crandall, P. H., Serman, M. B., & Wasterlain, C. G. (1982). Recent developments in the diagnosis and therapy of epilepsy. [Annals of Internal Medicine](#), 97, 584-598.

Finley, W. W. (1976). Effects of sham-feedback following successful SMR training in an epileptic: A follow-up study. [Biofeedback & Self-Regulation](#), 1, 227-235.

Finley, W. W. (1977). Operant conditioning of the EEG in two patients with epilepsy: Methodologic and clinical considerations. [Pavlovian Journal of Biological Science](#), 12(2), 93-111.

Finley, W. W., Smith, H. A., & Etherton, M. D. (1975). Reduction of seizures and normalization of the EEG in a severe epileptic following sensorimotor biofeedback training: Preliminary study. [Biological Psychiatry](#), 2, 189-203.

Fischer-Williams, M., & Clifford, B. C. (1988). Biofeedback treatment of patients with seizures: A pilot study of EEG feedback. [Electroencephalography & Clinical Neurophysiology](#), 70(1), 18.

Hanson, L. M., Trudeau, D. L., & Grace, D. L. (1996). Neurotherapy and drug therapy in combination for adult ADHD, personality disorder, and seizure disorder: A case report.

[Journal of Neurotherapy](#), 2, 6-14.

Kaplan, B. J. (1975). Biofeedback in epileptics: Equivocal relationship of reinforced EEG frequency to seizure reduction. [Epilepsia](#), 16, 477-485.

Kotchoubey, B., Busch, S., Strehl, U., & Birbaumer, N. (1999). Changes in EEG power spectra during biofeedback of slow cortical potentials in epilepsy. [Applied Psychophysiology & Biofeedback](#), 24(4), 213-233.

Kotchoubey, B., Strehl, U., Uhlmann, C., Holzappel, S., König, M., Froscher, W., Blankenhorn, V., & Birbaumer, N. (2001). Modification of slow cortical potentials in patients with refractory epilepsy: A controlled outcome study. [Epilepsia](#), 42(3), 406-416.

Kuhlman, W. N. (1978). EEG feedback training of epileptic patients: Clinical and electroencephalographic analysis. [Electroencephalography & Clinical Neurophysiology](#), 45(6), 699-710.

Kuhlman, W. N., & Allison, T. (1977). EEG feedback training in the treatment of epilepsy: Some questions and some answers. [Pavlovian Journal of Biological Science](#), 12(2), 112-122.

Lantz, D., & Serman, M. B. (1988). Neuropsychological assessment of subjects with uncontrolled epilepsy: Effects of EEG biofeedback training. [Epilepsia](#), 29(2), 163-171.

Lubar, J. F., & Bahler, W. W. (1976). Behavioral management of epileptic seizures following EEG biofeedback training of the sensorimotor rhythm. [Biofeedback & Self-Regulation](#), 7, 77-104.

Lubar, J. F., Shabsin, H. S., Natelson, S. E. et al. (1981). EEG operant conditioning in intractible epileptics. [Archives of Neurology](#), 38, 700-704.

Lubar, J. F., & Shouse, M. N. (1977). Use of biofeedback in the treatment of seizure disorders and hyperactivity. [Advances in Clinical Child Psychology](#), 1, 204-251.

Monderer, R. S., Harrison, D. M., & Haut, S. R. (2002). Review: Neurofeedback and epilepsy. [Epilepsy & Behavior](#), 3, 214-218.

Quy, R. J., Hutt, S. J., & Forrest, S. (1979). Sensorimotor rhythm feedback training and epilepsy: Some methodological and conceptual issues. [Biological Psychology](#), 9, 129-149.

Rockstroh, B., Elbert, T., Birbaumer, N., Wolf, P., Duchting-Roth, A., Reker, M., Daum, I., Lutzenberger, W., & Dichgans, J. (1993). Cortical self-regulation in patients with epilepsies. [Epilepsy Research](#), 14, 63-72.

Rudrud, E., & Striefel, S. (1981). Eight to twelve hertz occipital EEG training with moderate and severely retarded epileptic individuals. [Australian Journal of](#)

Developmental Disabilities, 7(4), 173-179.

Seifert, A. R., & Lubar, J. F. (1975). Reduction of epileptic seizures through EEG biofeedback training. Biological Psychology, 3, 157-184.

Sterman, M. B. (1973a). Neurophysiological and clinical studies of sensorimotor EEG biofeedback training: Some effects on epilepsy. Seminars in Psychiatry, 5(4), 507-525.

Sterman, M. B. (1973b). Neurophysiological and clinical studies of sensorimotor EEG biofeedback training: Some effects on epilepsy. Chapter in L. Birk (Ed.), Biofeedback: Behavioral Medicine. New York: Grune & Stratton, pp. 147-165.

Sterman, M. B. (1977). Sensorimotor EEG operant conditioning: Experimental and clinical effects. Pavlovian Journal of Biological Sciences, 12(2), 63-92.

Sterman, M. B. (1986). Epilepsy and its treatment with EEG feedback therapy. Annals of Behavioral Medicine, 8, 21-25.

Sterman, M. B. (1997). The challenge of EEG biofeedback in the treatment of epilepsy: A view from the trenches. Biofeedback, 25(1), 6-7, 20-21, 23.

Sterman, M. B. (2000). Basic concepts and clinical findings in the treatment of seizure disorders with EEG operant conditioning. Clinical Electroencephalography, 31(1), 45-55.

Sterman, M. B., & Friar, L. (1972). Suppression of seizures in epileptics following sensorimotor EEG feedback training. Electroencephalography & Clinical Neurophysiology, 33, 89-95.

Sterman, M. B., & Lantz, D. (2001). Changes in lateralized memory performance in subjects with epilepsy following neurofeedback training. Journal of Neurotherapy, 5, 63-72.

Sterman, M. B., & Macdonald, L. R. (1978). Effects of central cortical EEG feedback training on incidence of poorly controlled seizures. Epilepsia, 19(3), 207-222.

Sterman, M. B., Macdonald, L. R., & Stone, R. K. (1974). Biofeedback training of the sensorimotor electroencephalogram rhythm in man: Effects on epilepsy. Epilepsia, 15(3), 395-416.

Sterman, M. B., & Shouse, M. N. (1980). Quantitative analysis of training, sleep EEG and clinical response to EEG operant conditioning in epileptics. Electroencephalography & Clinical Neurophysiology, 49, 558-576.

Swingle, P. G. (1998). Neurofeedback treatment of pseudo seizure disorder. Biological Psychiatry, 44(11), 1-4.

Tansey, M. A. (1985). The response of a case of petit mal epilepsy to EEG sensorimotor

rhythm biofeedback training. [International Journal of Psychophysiology](#), 3, 81-84.

Tozzo, C.A., Elfner, L. F., & May Jr., J. G. (1988). Biofeedback and relaxation training in the control of epileptic seizures. [International Journal of Psychophysiology](#), 6, 185-194.

Uhlmann, C., & Froscher, W. (2001). Biofeedback treatment in patients with refractory epilepsy: Changes in depression and control orientation. [Seizure](#), 10(1), 34-38.

Upton, A. R., & Longmere, D. (1975). The effects of feedback on focal epileptic discharges in man: A preliminary report. [Canadian Journal of Neurological Sciences](#), 2, 153-167.

Walker, J. E., & Kozlowski, G. P. (2005). Neurofeedback treatment of epilepsy. [Child & Adolescent Psychiatric Clinics of North America](#), 14(1), 163-176

Whitsett, S. F., Lubar, J. F., Holder, G. S., et al. (1982). A double-blind investigation of the relationship between seizure activity and the sleep EEG following EEG biofeedback training. [Biofeedback & Self-Regulation](#), 7, 193-209.

Wyler, A. R., Robbins, C. A., & Dodrill, C. B. (1979). EEG operant conditioning for control of epilepsy. [Epilepsia](#), 20, 279-286.

ADD/ADHD, Learning Disabilities, & Academic-Cognitive Enhancement

Albert, A. O., Andrasik, F., Moore, J. L., & Dunn, B. R. (1998). Theta/beta training for attention, concentration and memory improvement in the geriatric population. [Applied Psychophysiology & Biofeedback](#), 23(2), 109. Abstract.

Alhambra, M. A., Fowler, T. P., & Alhambra, A. A. (1995). EEG biofeedback: A new treatment option for ADD/ADHD. [Journal of Neurotherapy](#), 1(2), 39-43.

Barabasz, A., & Barabasz, M. (1996). Neurotherapy and alert hypnosis in the treatment of attention deficit disorder. Chapter in S. J. Lynn, I. Kirsch, & J. W. Rhue (Eds.), [Casebook of Clinical Hypnosis](#). Washington, D.C.: American Psychological Association Press, pp. 271-292.

Barabasz, A., & Barabasz, M. (2000). Treating AD/HD with hypnosis and neurotherapy. [Child Study Journal](#), 30(1), 25-42.

Boyd, W. D., & Campbell, S. E. (1998). EEG biofeedback in the schools: The use of EEG biofeedback to treat ADHD in a school setting. [Journal of Neurotherapy](#), 2(4), 65-71.

Budzynski, T. H. (1996). Brain brightening: Can neurofeedback improve cognitive process? [Biofeedback](#), 24(2), 14-17.

Carmody, D. P., Radvanski, D. C., Wadhvani, S., Sabo, J. J., & Vergara, L. (2001). EEG biofeedback training and attention-deficit/hyperactivity disorder in an elementary school setting. [Journal of Neurotherapy](#), 4(3), 5-27.

- Carter, J. L., & Russell, H. L. (1991). Changes in verbal performance IQ discrepancy scores after left hemisphere frequency control training: A pilot report. [American Journal of Clinical Biofeedback](#), [4](#)(1), 66-67.
- Cunningham, M., & Murphy, P. (1981). The effects of bilateral EEG biofeedback on verbal, visuospatial and creative skills in LD male adolescents. [Journal of Learning Disabilities](#), [14](#)(4), 204-208.
- Egner, T., & Gruzelier, J. H. (2001). Learned self-regulation of EEG frequency components affects attention and event-related brain potentials in humans. [NeuroReport](#), [12](#), 4155-4159.
- Egner, T., & Gruzelier, J. H. (2004). EEG biofeedback of low beta band components: Frequency-specific effects on variables of attention and event-related brain potentials. [Clinical Neurophysiology](#), [115](#)(1), 131-139.
- Fehmi, L. G. (1978). EEG biofeedback, multichannel synchrony training, and attention. Chapter in A. A. Sugarman & R. E. Tarter (Eds.), [Expanding Dimensions of Consciousness](#). New York: Springer.
- Fehmi, L. G., & Selzer, F. A. (1980). Biofeedback and attention training. Chapter in S. Boorstein (Ed.), [Transpersonal Psychotherapy](#). Palo Alto: Science and Behavior Books.
- Fernandez, T., Herrera, W., Harmony, T., Diaz-Comas, L., Santiago, E., Sanchez, L., Bosch, J., Fernandez-Bouzas, A., Otero, G., Ricardo-Garcell, J., Barraza, C., Aubert, E., Galan, L., & Valdes, P. (2003). EEG and behavioral changes following neurofeedback treatment in learning disabled children. [Clinical Electroencephalography](#), [34](#)(3), 145-150.
- Foks, M. (2005). Neurofeedback training as an educational intervention in a school setting: How the regulation of arousal states can lead to improved attention and behaviour in children with special needs. [Educational & Child Psychology](#), [22](#)(3), 67-77.
- Fuchs, T., Birbaumer, N., Lutzenberger, W., Gruzelier, J. H., & Kaiser, J. (2003). Neurofeedback treatment for attention deficit/hyperactivity disorder in children: A comparison with methylphenidate. [Applied Psychophysiology and Biofeedback](#), [28](#), 1-12.
- Hansen, L. M., Trudeau, D., & Grace, L. (1996). Neurotherapy and drug therapy in combination for adult ADHD, personality disorder, and seizure. [Journal of Neurotherapy](#), [2](#)(1), 6-14.
- Jackson, G. M., & Eberly, D. A. (1982). Facilitation of performance on an arithmetic task as a result of the application of a biofeedback procedure to suppress alpha wave activity. [Biofeedback & Self-Regulation](#), [7](#)(2), 211-221.
- Kaiser, D. A., & Othmer, S. (2000). Effect of Neurofeedback on variables of attention in a

- large multi-center trial. [Journal of Neurotherapy](#), 4(1), 5-15.
- Kotwal, D. B., Burns, W. J., & Montgomery, D. D. (1996). Computer-assisted cognitive training for ADHD: A case study. [Behavior Modification](#), 20(1), 85-96.
- Kropotov, J. D., Grin-Yatsenko, V. A., Ponomarev, V. A., Chutko, L. S., Yakovenko, E. A., Nildshena, I. S. (2005). ERPs correlates of EEG relative beta training in ADHD children. [International Journal of Psychophysiology](#), 55(1), 23-34.
- Linden, M., Habib, T., & Radojevic, V. (1996). A controlled study of the effects of EEG biofeedback on cognition and behavior of children with attention deficit disorder and learning disabilities. [Biofeedback & Self-Regulation](#), 21(1), 35-49.
- Lubar, J. F. (1985). EEG biofeedback and learning disabilities. [Theory into Practice](#), 26, 106-111
- Lubar, J. F. (1995). Neurofeedback for the management of attention-deficit/hyperactivity disorders. Chapter in M. S. Schwartz (Ed.), [Biofeedback: A Practitioner's Guide](#). New York, Guilford, 493-522.
- Lubar, J. F. (2003). Neurofeedback for the management of attention-deficit / hyperactivity disorders. Chapter in M. S. Schwartz & F. Andrasik (Eds.), [Biofeedback: A Practitioner's Guide \(Third Edition\)](#). New York, Guilford, 409-437.
- Lubar, J. O., & Lubar, J. F. (1984). Electroencephalographic biofeedback of SMR and beta for treatment of attention deficit disorders in a clinical setting. [Biofeedback & Self-Regulation](#), 9, 1-23.
- Lubar, J. F., & Shouse, M. N. (1976). EEG and behavioral changes in a hyperactive child concurrent with training of the sensorimotor rhythm (SMR): A preliminary report. [Biofeedback & Self-Regulation](#), 1(3), 293-306.
- Lubar, J. F., & Shouse, M. N. (1977). Use of biofeedback in the treatment of seizure disorders and hyperactivity. [Advances in Clinical Child Psychology](#), 1, 204-251.
- Lubar, J. F., Swartwood, M. O., Swartwood, J. N., & O'Donnell, P. H. (1995). Evaluation of the effectiveness of EEG neurofeedback training for ADHD in a clinical setting as measured by changes in T.O.V.A., scores, behavioral ratings, and WISC-R performance. [Biofeedback & Self-Regulation](#), 20(1), 83-99.
- Lutzenberger W, Elbert T, Rockstroh B, Birbaumer N. (1982) Biofeedback produced slow brain potentials and task performance. [Biological Psychology](#), 14, 99-111.
- McKnight, J. T., & Fehmi, L. G. (2001). Attention and neurofeedback synchrony training: Clinical results and their significance. [Journal of Neurotherapy](#), 5(1-2), 45-62.
- Monastra, V. J., (2005). Electroencephalographic biofeedback (neurotherapy) as a treatment for attention deficit hyperactivity disorder: Rationale and empirical foundation.

Child & Adolescent Psychiatric Clinics of North America, 14(1), 55-82.

Monastra, V. J., Monastra, D. M., & George, S. (2002). The effects of stimulant therapy, EEG biofeedback, and parenting style on the primary symptoms of attention-deficit/hyperactivity disorder. Applied Psychophysiology & Biofeedback, 27(4), 231-249.

Mulholland, T. Goodman, D., & Boudrot, R. (1983). Attention and regulation of EEG alpha-attenuation responses. Biofeedback & Self-Regulation, 8(4), 585-600.

Nash, J. K. (2000). Treatment of attention-deficit hyperactivity disorder with neurotherapy. Clinical Electroencephalography, 31(1), 30-37.

Norris, S. L., Lee, C-T., Burshteyn, D., & Cea-Aravena, J. (2001). The effects of performance enhancement training on hypertension, human attention, stress, and brain wave patterns: A case study. Journal of Neurotherapy, 4(3), 29-44.

Norris, S. L., Lee, C., Cea, J., & Burshteyn, D. (1998). Performance enhancement training effects on attention: A case study. Journal of Neurotherapy, 3(1), 19-25.

Orlando, P. C., & Rivera, R. O. (2004). Neurofeedback for elementary students with identified learning problems. Journal of Neurotherapy, 8(2), 5-19.

Othmer, S., Othmer, S. F., & Kaiser, D. A. (1999). EEG biofeedback: Training for AD/HD and related disruptive behavior disorders. Chapter in J. A. Incorvaia & B. F. Mark-Goldstein, & D. Tessmer (Eds.), Understanding, Diagnosing, & Treating AD/HD in Children and Adolescents. New York: Aronson, 235-297

Patrick, G. J. (1996). Improved neuronal regulation in ADHD: An application of 15 sessions of photic-driven EEG neurotherapy. Journal of Neurotherapy, 1(4), 27-36.

Pratt, R. R., Abel, H., & Skidmore, J. (1995). The effects of neurofeedback training with background music on EEG patterns of ADD and ADHD children. International Journal of Arts Medicine, 4(1), 24-31.

Pulvermuller, F., Mohr, B., Schleichert, H., & Veit, R. (2000). Operant conditioning of left-hemispheric slow cortical potentials and its effect on word processing. Biological Psychology, 53, 177-215.

Putnam, J. A., Othmer, S. F., Othmer, S., & Pollock, V. E. (2005). TOVA results following interhemispheric bipolar EEG training. Journal of Neurotherapy, 9(1), 37-52.

Rasey, H. W., Lubar, J. E., McIntyre, A., Zoffuto, A. C., & Abbott, P. L. (1996). EEG biofeedback for the enhancement of attentional processing in normal college students. Journal of Neurotherapy, 1(3), 15-21.

Rockstroh, B., Elbert, T., Lutzenberger, W., & Birbaumer, N. (1990). Biofeedback: Evaluation and therapy in children with attentional dysfunction. Chapter in A. Rothenberger (Ed.), Brain and Behaviour in Child Psychiatry. Berlin: Springer Verlag,

pp. 345-357.

Rossiter, T. R. (2005). The effectiveness of neurofeedback and stimulant drugs in treating AD/HD: Part II. Replication. Applied Psychophysiology & Biofeedback, 29(4), 233-243.

Rossiter, T. (2002). Neurofeedback for AD/HD: A ratio feedback case study. Journal of Neurotherapy, 6(3), 9-35.

Rossiter, T. R. (1998). Patient directed neurofeedback for ADHD. Journal of Neurotherapy, 2 (4), 54-63.

Rossiter, T. R., & La Vaque, T. J. (1995). A comparison of EEG biofeedback and psychostimulants in treating attention deficit/hyperactivity disorders. Journal of Neurotherapy, 1, 48-59.

Russell, H. L., & Carter, J. L. (1997). EEG Driven Audio-Visual Stimulation Unit for Enhancing Cognitive Abilities of Learning Disordered Boys: Final Report. Washington, D.C.: U.S. Department of Education (SBIR), Contract number RA94130002.

Scheinbaum, S., Zecker, S., Newton, C. J., & Rosenfeld, P. (1995). A controlled study of EEG biofeedback as a treatment for attention-deficit disorders. In "Proceedings of the 26th Annual Meeting of the Association for Applied Psychophysiology and Biofeedback" pp. 131-134.

Sheer, D. E. (1975). Biofeedback training of 40-Hz EEG and behavior. Chapter in N. Burch & H. I. Altshuler (Eds.), Behavior and Brain Electrical Activity. New York: Plenum.

Sheer, D. E. (1977). Biofeedback training of 40-Hz EEG and behavior. Chapter in J. Kamiya et al., Biofeedback and Self-Control 1976/1977. An Annual Review. Chicago: Aldine.

Shin, D. I., Lee, J. H., Lee, S. M., Kim, I. Y., & Kim, S. I. (2004). Neurofeedback training with virtual reality for inattention and impulsiveness. Cyberpsychology & Behavior, 7(5), 519-526.

Shouse, M. N., & Lubar, J. F. (1979). Sensorimotor rhythm (SMR) operant conditioning and methylphenidate in the treatment of hyperkinesis. Biofeedback & Self-Regulation, 4, 299-311.

Shouse, M. N., & Lubar, J. F. (1979). Operant conditioning of EEG rhythms and Ritalin in the treatment of hyperkinesis. Biofeedback & Self-Regulation, 4(4), 299-311.

Swingle, P. G. (2001). Parameters associated with rapid neurotherapeutic treatment of common ADD (CADD). Journal of Neurotherapy, 5(4), 73-84.

Swingle, P. G. (1996). Sub threshold 10-Hz sound suppresses EEG theta: Clinical application for the potentiation of neurotherapeutic treatment of ADD/ADHD. Journal of

[Neurotherapy](#), 2(1), 15-22.

Tansey, M. A. (1984). EEG sensorimotor rhythm biofeedback training: Some effects on the neurological precursors of learning disabilities. [International Journal of Psychophysiology](#), 3, 85-99.

Tansey, M. A. (1985). Brainwave signatures--An index reflective of the brain's functional neuroanatomy: Further findings on the effect of EEG sensorimotor rhythm biofeedback training on the neurologic precursors of learning disabilities. [International Journal of Psychophysiology](#), 3, 85-89.

Tansey, M. A. (1990). Righting the rhythms of reason: EEG biofeedback training as a therapeutic modality in a clinical office setting. [Medical Psychotherapy](#), 3, 57-68.

Tansey, M. A. (1991). Wechsler (WISC-R) changes following treatment of learning disabilities via EEG biofeedback in a private practice setting. [Australian Journal of Psychology](#), 43, 147-153.

Tansey, M. A. (1993). Ten-year stability of EEG biofeedback results for a hyperactive boy who failed fourth grade perceptually impaired class. [Biofeedback & Self-Regulation](#), 18, 33-44.

Tansey, M. A., & Bruner, R. L. (1983). EMG and EEG biofeedback training in the treatment of 10-year old hyperactive boy with a developmental reading disorder. [Biofeedback & Self-Regulation](#), 8(1), 25-37.

Thompson, L., & Thompson, M. (1998). Neurofeedback combined with training in metacognitive strategies: Effectiveness in students with ADD. [Applied Psychophysiology & Biofeedback](#), 23(4), 243-263.

Thornton, K. E., & Carmody, D. P. (2005). Electroencephalogram biofeedback for reading disability and traumatic brain injury. [Child & Adolescent Psychiatric Clinics of North America](#), 14(1), 137-162.

Tinius, T. P., & Tinius, K. A. (2001). Changes after EEG biofeedback and cognitive retraining in adults with mild traumatic brain injury and attention deficit disorder. [Journal of Neurotherapy](#), 4(2), 27-44.

Valdez, M. (1985). Effects of biofeedback-assisted attention training in a college population. [Biofeedback & Self-Regulation](#), 10(4), 315-324.

Vernon, D., Egner, T., Cooper, N., Compton, T., Neilands, C., Sheri, A., & Gruzelier, J. (2003). The effect of training distinct neurofeedback protocols on aspects of cognitive performance. [International Journal of Psychophysiology](#), 47, 75-85.

Wadhvani, S., Radvanski, D. C., & Carmody, D. P. (1998). Neurofeedback training in a case of attention deficit hyperactivity disorder. [Journal of Neurotherapy](#), 3(1), 42-49.

Warner, D.A., Barabasz, A., & Barabasz, M. (2000). The efficacy of Barabasz's alert hypnosis and neurotherapy on attentiveness, impulsivity and hyperactivity in children with ADHD. Child Study Journal, 30(1), 43-49.

Xiong, Z., Shi, S., & Xu, H. (2005). A controlled study of the effectiveness of EEG biofeedback training on children with attention deficit hyperactivity disorder. Journal of Huazhong University of Science & Technology, 25(3), 368-370.

Anxiety Disorders, Post Traumatic Stress Disorder, & Sleep Disorders

Bell, J. S. (1979). The use of EEG theta biofeedback in the treatment of a patient with sleep-onset insomnia. Biofeedback & Self Regulation, 4(3), 229-236.

Brody, S., Rau, H., Kohler, F., Schupp, H., Lutzenberger, W., & Birbaumer, N. (1994). Slow cortical potential biofeedback and the startle reflex. Biofeedback & Self-Regulation, 19(1), 1-12.

Burti, L., & Siciliani, O. (1983). Increase in alpha-rhythm in anxious subjects using biofeedback: A preliminary study. Psichiatria Generale e dell'Eta Evolutiva, 21(2-4), 79-97.

Chisholm, R. C., DeGood, D. E., & Hartz, M. A. (1977). Effects of alpha feedback training on occipital EEG, heart rate, and experiential reactivity to a laboratory stressor. Psychophysiology, 14(2), 157-163.

Egner, T., & Gruzelier, J. H. (2004). The temporal dynamics of electro - encephalographic responses to alpha/theta neurofeedback training in healthy subjects. Journal of Neurotherapy, 8(1), 43-57.

Egner, T., Strawson, E., & Gruzelier, J. H. (2002). EEG signature and phenomenology of alpha/theta neurofeedback training versus mock feedback. Applied Psychophysiology & Biofeedback, 27(4), 261-270.

Feinstein, B., Serman, M. B., & MacDonald, L. R. (1974). Effects of sensorimotor rhythm training on sleep. Sleep Research, 3, 134.

Garrett, B. L., & Silver, M. P. (1976). The use of EMG and alpha biofeedback to relieve test anxiety in college students. Chapter in I. Wickramasekera (Ed.), Biofeedback, Behavior Therapy, and Hypnosis. Chicago: Nelson-Hall.

Gluck, B. C., & Stroebel, C. F. (1975). Biofeedback and meditation in the treatment of psychiatric illness. Comprehensive Psychiatry, 16(4), 303-321.

Graap, K., Ready, D. J., Freides, D., Daniels, B., & Baltzell, D. (1997). EEG biofeedback treatment for Vietnam veterans suffering from posttraumatic stress disorder. Journal of Neurotherapy, 2(3), 65-66. [Conference Paper]

Hammond, D. C. (2005). Neurofeedback with anxiety and affective disorders. Child &

Adolescent Psychiatric Clinics of North America, 14(1), 105-123.

Hardt, J. V., & Kamiya, J. (1978). Anxiety change through electroencephalographic alpha feedback seen only in high anxiety subjects. Science, 201, 79-81.

Holmes, D. S., Burish, T. G., & Frost, R. O. (1980). Effects of instructions and biofeedback in EEG-alpha production and the effects of EEG-alpha biofeedback training for controlled arousal in a subsequent stressful situation. Journal of Research in Personality, 14(2), 212-223.

Kirschbaum, J., & Gisti, E. (1973). Correlations of alpha percentage in EEG, alpha feedback, anxiety scores from MAS and MMQ. Archives fur Psychologie, 125(4), 263-273.

McKnight, J. T., & Fehmi, L. G. (2001). Attention and neurofeedback synchrony training: Clinical results and their significance. Journal of Neurotherapy, 5(1-2), 45-62.

Mills, G. K., & Solyom, L. (1974). Biofeedback of EEG alpha in the treatment of obsessive ruminations: An exploration. Journal of Behaviour Therapy & Experimental Psychiatry, 5, 37-41.

Moore, N. C. (2000). A review of EEG biofeedback treatment of anxiety disorders. Clinical Electroencephalography, 31(1), 1-6.

Moore, J. P., Trudeau, D. L., Thuras, P. D., Rubin, Y., Stockley, H., & Dimond, T. (2000). Comparison of alpha-theta, alpha and EMG neurofeedback in the production of alpha-theta crossover and the occurrence of visualizations. Journal of Neurotherapy, 4(1), 29-42.

Norris, S. L., Lee, C-T., Burshteyn, D., & Cea-Aravena, J. (2001). The effects of performance enhancement training on hypertension, human attention, stress, and brain wave patterns: A case study. Journal of Neurotherapy, 4(3), 29-44.

Peniston, E. G., & Kulkosky, P. J. (1991). Alpha-theta brainwave neuro-feedback therapy for Vietnam veterans with combat-related post-traumatic stress disorder. Medical Psychotherapy, 4, 47-60.

Peniston, E. G., Marrinan, D. A., Deming, W. A., & Kulkosky, P. J. (1993). EEG alpha-theta brainwave synchronization in Vietnam theater veterans with combat-related post-traumatic stress disorder and alcohol abuse. Advances in Medical Psychotherapy, 6, 37-50.

Plotkin, W. B., & Rice, K. M. (1981). Biofeedback as a placebo: Anxiety reduction facilitated by training in either suppression or enhancement of alpha brainwaves. Journal of Consulting & Clinical Psychology, 49, 590-596.

Putnam, J. (2000). The effects of brief, eyes-open alpha brain wave training with audio and video relaxation induction on the EEG of 77 Army reservists. Journal of

[Neurotherapy](#), 4(1), 17-28.

Raymond, J., Varney, C., Parkinson, L. A., & Gruzelier, J.H. (2005). The effects of alpha/theta neurofeedback on personality and mood. [Brain Research & Cognitive Brain Research](#), 23(2-3), 287-292.

Rice, K. M., Blanchard, E. B., & Purcell, M. (1993). Biofeedback treatments of generalized anxiety disorder: Preliminary results. [Biofeedback & Self-Regulation](#), 18, 93-105.

Sattlberger, E., & Thomas, J. E. (2000). Treatment of anxiety disorder with slow-wave suppression EEG feedback: A case study. [Biofeedback](#), 28(4), 17-19.

Sittenfeld, P., Budzynski, T. H., & Stoyva, J. M. (1976). Differential shaping of EEG theta rhythms. [Biofeedback & Self-Regulation](#), 1, 31-46.

Sterman, M. B. (1977). Effects of sensorimotor EEG feedback on sleep and clinical manifestations of epilepsy. Chapter in J. Beatty & H. Legewie (Eds.), [Biofeedback and Behavior](#). New York: Plenum, pp. 167-200.

Sterman, M. B., Howe, R. D., & Macdonald, L. R. (1970). Facilitation of spindle-burst sleep by conditioning of electroencephalographic activity while awake. [Science](#), 167, 1146-1148.

Thomas, J. E., & Sattlberger, B. A. (1997). Treatment of chronic anxiety disorder with neurotherapy: A case study. [Journal of Neurotherapy](#), 2(2), 14-19.

Valdez, M. (1988). A program of stress management in a college setting. [Psychotherapy in Private Practice](#), 6(2), 43-54.

Vanathy, S., Sharma, P. S. V. N., & Kumar, K. B. (1998). The efficacy of alpha and theta neurofeedback training in treatment of generalized anxiety disorder. [Indian Journal of Clinical Psychology](#), 25(2), 136-143.

Watson, C. G., Herder, J., & Passini, F. T. (1978). Alpha biofeedback therapy in alcoholics: An 18-month follow-up. [Journal of Clinical Psychology](#), 34(2), 765-769.

Depression, Hemispheric Asymmetry, Anger & Pre Menstrual Syndrome

Allen, J. B., & Cavendar, J. H. (1996). Biofeedback alters EEG asymmetry. [Psychophysiology](#), 33(suppl), S17, (Abstract).

Baehr, E., & Baehr, R. (1997). The use of brainwave biofeedback as an adjunctive therapeutic treatment for depression: Three case studies. [Biofeedback](#), 25(1), 10-11.

Baehr, E., Miller, E., Rosenfeld, J. P., & Baehr, R. (2004). Changes in frontal brain

asymmetry associated with premenstrual dysphoric disorder: A single case study. [Journal of Neurotherapy](#), 8(1), 29-42.

Baehr, E., Rosenfeld, J. P., & Baehr, R. (1997). The clinical use of an alpha asymmetry protocol in the neurofeedback treatment of depression: Two case studies. [Journal of Neurotherapy](#), 2(3), 10-23.

Baehr, E., Rosenfeld, J. P., & Baehr, R. (2001). Clinical use of an alpha asymmetry neurofeedback protocol in the treatment of mood disorders: Follow-up study one to five years post therapy. [Journal of Neurotherapy](#), 4(4), 11-18.

Hammond, D. C. (2005). Neurofeedback with anxiety and affective disorders. [Child & Adolescent Psychiatric Clinics of North America](#), 14(1), 105-123

Hammond, D. C. (2001). Neurofeedback treatment of depression with the Roshi. [Journal of Neurotherapy](#), 4(2), 45-56.

Hammond, D. C. (2001). Neurofeedback training for anger control. [Journal of Neurotherapy](#), 5(4), 98-103.

Hardman, E., Gruzelier, J., Chessman, K., Jones, C., Liddiard, D., Schleichert, H., & Birbaumer, N. (1997). Frontal interhemispheric asymmetry: Self-regulation and individual differences in humans. [Neuroscience Letters](#), 221, 117-120.

Jenkins, P., & Moore, W. H. (1985). The effects of visual feedback on hemispheric alpha asymmetries and reported processing strategies: A single-subject experimental design. [Brain & Cognition](#), 4(1), 47-58.

Kotchoubey, B., Schleichert, H., Lutzenberger, W., Anokhin, A. P., & Birbaumer, N. (1996). Self-regulation of interhemispheric asymmetry in humans. [Neuroscience Letters](#), 215, 91-94.

Kumano, H., Horie, H., Shidara, T., Kuboki, T. et al. (1996). Treatment of a depressive disorder patient with EEG-driven photic stimulation. [Biofeedback & Self-Regulation](#), 21(4), 323-334.

Putnam, J. A., (2001). EEG biofeedback on a female stroke patient with depression: A case study. [Journal of Neurotherapy](#), 5(3), 27-38.

Raymond, J., Varney, C., Parkinson, L. A., & Gruzelier, J. H. (2005). The effects of alpha/theta neurofeedback on personality and mood. [Cognitive Brain Research](#), 23, 287-292.

Rockstroh, B., Elbert, T., Birbaumer, N. J., & Lutzenberger, W. (1990). Biofeedback-produced hemispheric asymmetry of slow cortical potentials and its behavioural effects. [International Journal of Psychophysiology](#), 9, 151-165.

Rosenfeld, J. P. (2000). An EEG biofeedback protocol for affective disorders. [Clinical](#)

[Electroencephalography](#), 31(1), 7-12.

Rosenfeld, J. P. (1997). EEG biofeedback of frontal alpha asymmetry in affective disorders. [Biofeedback](#), 25(1), 8-25.

Rosenfeld, J. P., Baehr, E., Baehr, R., Gotlib, I. H., & Ranganath, C. (1996). Preliminary evidence that daily changes in frontal alpha asymmetry correlate with changes in affect in therapy sessions. [International Journal of Psychophysiology](#), 23, 137-141.

Rosenfeld, J. P., Cha, G., Blair, T., & Gotlib, I. (1995). Operant biofeedback control of left-right frontal alpha power differences. [Biofeedback & Self-Regulation](#), 20, 241-258.

Saxby, E., & Peniston, E. G. (1995). Alpha-theta brainwave neurofeedback training: an effective treatment for male and female alcoholics with depressive symptoms. [Journal of Clinical Psychology](#), 51, 685-693.

Schneider, F., Heimann, H., Mattes, R., Lutzenberger, W., & Birbaumer, N. (1992). Self-regulation of slow cortical potentials in psychiatric patients: Depression. [Biofeedback & Self-Regulation](#), 17, 203-214.

Uhlmann, C., & Froscher, W. (2001). Biofeedback treatment in patients with refractory epilepsy: Changes in depression and control orientation. [Seizure](#), 10, 34-38.

Addictive Disorders

Fahrion, S. L., Walters, E. D., Coyne, L., & Allen, T. (1992). Alterations in EEG amplitude, personality factors and brain electrical mapping after alpha theta brainwave training: A controlled case study of an alcoholic in recovery. [Alcoholism: Clinical & Experimental Research](#), 16, 547-552.

Fahrion, S. L. (1995). Human potential and personal transformation. [Subtle Energies](#), 6, 55-88.

Goldberg, R. J., et al. (1976). Alpha conditioning as an adjunct treatment for drug dependence: Part I. [International Journal of Addiction](#), 11, 1085-1089.

Goldberg, R. J., et al. (1977). Alpha conditioning as an adjunct treatment for drug dependence: Part II. [International Journal of Addiction](#), 12, 195-204.

Kelly, M. J. (1997). Native Americans, neurofeedback, and substance abuse theory: Three year outcome of alpha/theta neurofeedback training in the treatment of problem drinking among Dine= (Navajo) people. [Journal of Neurotherapy](#), 2(3), 24-60.

Lamontague, Y., Hand, I., Annable, L., et al. (1975). Physiological and psychological effects of alpha and EMG feedback training with college drug users: A pilot study. [Canadian Psychiatric Association Journal](#), 20, 337-349.

Passini, F., Watson, C. G., Dehnel, L., Herder, J., & Watkins, B. (1977). Alpha wave

biofeedback training therapy in alcoholics. [Journal of Clinical Psychology](#), *33*(1), 292-299.

Peniston, E. G., & Kulkosky, P. J. (1989). Alpha-theta brainwave training and beta-endorphin levels in alcoholics. [Alcohol: Clinical & Experimental Research](#), *13*(2), 271-279.

Peniston, E. G., & Kulkosky, P. J. (1991). Alcoholic personality and alpha-theta brainwave training. [Medical Psychotherapy](#), *2*, 37-55.

Peniston, E. G., Marrinan, D. A., Deming, W. A., & Kulkosky, P. J. (1993). EEG alpha-theta brainwave synchronization in Vietnam theater veterans with combat-related post-traumatic stress disorder and alcohol abuse. [Advances in Medical Psychotherapy](#), *6*, 37-50.

Saxby, E., & Peniston, E. G. (1995). Alpha-theta brainwave neurofeedback training: An effective treatment for male and female alcoholics with depressive symptoms. [Journal of Clinical Psychology](#), *51*(5), 685-693.

Schneider, F., Elbert, T., Heimann, H., Welker, A., Stetter, F., Mattes, R., Birbaumer, N., & Mann, K. (1993). Self-regulation of slow cortical potentials in psychiatric patients: Alcohol dependency. [Biofeedback & Self-Regulation](#), *18*, 23-32.

Scott, W., & Kaiser, D. (1998). Augmenting chemical dependency treatment with neurofeedback training. [Journal of Neurotherapy](#), *3*(1), 66.

Trudeau, D. L. (2005). Applicability of brain wave biofeedback to substance use disorder in adolescents. [Child & Adolescent Psychiatric Clinics of North America](#), *14*(1), 125-136.

Trudeau, D. L. (2000). The treatment of addictive disorders by brain wave biofeedback: A review and suggestions for future research. [Clinical Electroencephalography](#), *31*(1), 13-22.

Watson, C. G., Herder, J., & Passini, F. T. (1978). Alpha biofeedback therapy in alcoholics: An 18-month follow-up. [Journal of Clinical Psychology](#), *34*(3), 765-769.

Brain Injury, Stroke, Coma, Spasticity, & Cerebral Palsy

Ayers, M. E. (1981). A report on a study of the utilization of electroencephalography for the treatment of cerebral vascular lesion syndromes. Chapter in L. Taylor, M. E. Ayers, & C. Tom (Eds.), [Electromyometric Biofeedback Therapy](#). Los Angeles: Biofeedback and Advanced Therapy Institute, pp. 244-257.

Ayers, M. E. (1987). Electroencephalic neurofeedback and closed head injury of 250 individuals. [Head Injury Frontiers](#). National Head Injury Foundation, 380-392.

Ayers, M. E. (1991). A controlled study of EEG neurofeedback training and clinical psychotherapy for right hemispheric closed head injury. Paper presented at the National

Head Injury Foundation, Los Angeles, 1991.

Ayers, M. E. (1995a). A controlled study of EEG neurofeedback and physical therapy with pediatric stroke, age seven months to age fifteen, occurring prior to birth. Biofeedback & Self-Regulation, 20(3), 318.

Ayers, M. E. (1995b). EEG neurofeedback to bring individuals out of level 2 coma. Biofeedback & Self-Regulation, 20(3), 304-305.

Ayers, M. E. (1999). Assessing and treating open head trauma, coma, and stroke using real-time digital EEG neurofeedback. Chapter in J. R. Evans & A. Abarbanel (Eds.), Introduction to Quantitative EEG and Neurofeedback. New York: Academic Press, pp. 203-222.

Ayers, M. E. (2004). Neurofeedback for cerebral palsy. Journal of Neurotherapy, 8(2), 93-94.

Bachers, A. (2004). Neurofeedback with cerebral palsy and mental retardation. Journal of Neurotherapy, 8(2), 95-96.

Bearden, T. S., Cassisi, J. E., & Pineda, M. (2003). Neurofeedback training for a patient with thalamic and cortical infarctions. Applied Psychophysiology & Biofeedback, 28(3), 241-253.

Bounias, M., Laibow, R. E., Bonaly, A., & Stubblebine, A. N. (2001). EEG-neurobiofeedback treatment of patients with brain injury: Part 1: Typological classification of clinical syndromes. Journal of Neurotherapy, 5(4), 23-44.

Bounias, M., Laibow, R. E., Stubblebine, A. N., Sandground, H., & Bonaly, A. (2002). EEG-neurobiofeedback treatment of patients with brain injury Part 4: Duration of treatments as a function of both the initial load of clinical symptoms and the rate of rehabilitation. Journal of Neurotherapy, 6(1), 23-38.

Byers, A. P. (1995). Neurofeedback therapy for a mild head injury. Journal of Neurotherapy, 1(1), 22-37.

Duff, J. (2004). The usefulness of quantitative EEG (QEEG) and neurotherapy in the assessment and treatment of post-concussion syndrome. Clinical EEG & Neuroscience, 35(4), 198-209.

Ham, L. P., & Packard, R. C. (1996). A retrospective, follow-up study of biofeedback-assisted relaxation therapy in patients with posttraumatic headache. Biofeedback & Self-Regulation, 21(2), 93-104.

Hammond, D. C. (in press). Neurofeedback to improve physical balance, incontinence, and swallowing. Journal of Neurotherapy,

Hoffman, D. A., Stockdale, S., & Van Egren, L. (1996a). Symptom changes in the

treatment of mild traumatic brain injury using EEG neurofeedback [Abstract]. [Clinical Electroencephalography](#), 27(3), 164.

Hoffman, D. A., Stockdale, S., & Van Egren, L. (1996b). EEG neurofeedback in the treatment of mild traumatic brain injury [Abstract]. [Clinical Electroencephalography](#), 27(2), 6.

Keller, I. (2001). Neurofeedback therapy of attention deficits in patients with traumatic brain injury. [Journal of Neurotherapy](#), 5, 19-32.

Laibow, R E., Stubblebine, A. N., Sandground, H., & Bounias, M. (2001). EEG neurobiofeedback treatment of patients with brain injury: Part 2: Changes in EEG parameters versus rehabilitation. [Journal of Neurotherapy](#), 5(4), 45-71

Putnam, J. A., (2001). EEG biofeedback on a female stroke patient with depression: A case study. [Journal of Neurotherapy](#), 5(3), 27-38.

Rozelle, G. R., & Budzynski, T. H. (1995). Neurotherapy for stroke rehabilitation: A single case study. [Biofeedback & Self-Regulation](#), 20(3), 211-228.

Schoenberger, N. E., Shiflett, S. C., Esty, M. L., Ochs, L., & Matheis, R. J. (2001). Flexyx neurotherapy system in the treatment of traumatic brain injury: An initial evaluation. [Journal of Head Trauma Rehabilitation](#), 16(3), 260-274.

Serman, M. B., Ayers, M. E., & Goodman, S. J. (1976). Case study: Effects of SMR suppression on EEG and motor patterns in a quadriplegic patient. [Biofeedback & Self-Regulation](#), 1(3), 340-341.

Thatcher, R. W. (2000). EEG operant conditioning (biofeedback) and traumatic brain injury. [Clinical Electroencephalography](#), 31(1), 38-44.

Thornton, K. (2000). Improvement/rehabilitation of memory functioning with neurotherapy/QEEG biofeedback. [Journal of Head Trauma Rehabilitation](#), 15(6), 1285-1296.

Thornton, K. (2001). Electrophysiology of auditory memory of paragraphs towards a projection/activation theory of the mind. [Journal of Neurotherapy](#), 4(3), 45-72.

Thornton, K. (2002) Rehabilitation of Memory functioning with EEG Biofeedback, [Neurorehabilitation](#), Vol. 17 (1), 69-81

Thornton, K. E., & Carmody, D. P. (2005). Electroencephalogram biofeedback for reading disability and traumatic brain injury. [Child & Adolescent Psychiatric Clinics of North America](#), 14(1), 137-162.

Tinius, T. P., & Tinius, K. A. (2001). Changes after EEG biofeedback and cognitive retraining in adults with mild traumatic brain injury and attention deficit disorder. [Journal](#)

[of Neurotherapy](#), 4(2), 27-44.

Wing, K. (2001). Effect of neurofeedback on motor recovery of a patient with brain injury: A case study and its implications for stroke rehabilitation. [Topics in Stroke Rehabilitation](#), 8(3), 45-53.

Chronic Fatigue Syndrome, Fibromyalgia, & Autoimmune Dysfunction

Brown, V. W. (1995). Neurofeedback and Lyme's Disease: A clinical application of the five phase model of CNS functional transformation and integration. [Journal of Neurotherapy](#), 1(2), 60-73.

Donaldson, C. C. S., Sella, G. E., & Mueller, H. H. (1998). Fibromyalgia: A retrospective study of 252 consecutive referrals. [Canadian Journal of Clinical Medicine](#), 5 (6), 116-127.

Hammond, D. C. (2001). Treatment of chronic fatigue with neurofeedback and self-hypnosis. [NeuroRehabilitation](#), 16, 295-300.

James, L. C., & Folen, R. A. (1996). EEG biofeedback as a treatment for chronic fatigue syndrome: A controlled case report. [Behavioral Medicine](#), 22(2), 77-81.

Mueller, H. H., Donaldson, C. C. S., Nelson, D. V., & Layman, M. (2001). Treatment of fibromyalgia incorporating EEG-driven stimulation: A clinical outcomes study. [Journal of Clinical Psychology](#), 57(7), 933-952.

Packard, R. C., & Ham, L. R. (1995). EEG biofeedback in the treatment of Lyme Disease: A case study. [Journal of Neurotherapy](#), 1(3), 22-30.

Tansey, M. A. (1993). Neurofeedback and chronic fatigue syndrome: New findings with respect to diagnosis and treatment. [CFIDS Chronicle](#), 9, 30-32.

Pain & Headache

Coger, R., & Werbach, M. (1975). Attention, anxiety, and the effects of learned enhancement of EEG alpha in chronic pain: A pilot study in biofeedback. Chapter in B. L. Drue, Jr. (Ed.), [Pain Research and Treatment](#). New York: Academic Press.

Gannon, L., & Sternbach, R. A. (1971). Alpha enhancement as a treatment for pain: A case study. [Behavior Therapy & Experimental Psychiatry](#), 2, 209-213.

Ham, L. P., & Packard, R. C. (1996). A retrospective, follow-up study of biofeedback-assisted relaxation therapy in patients with posttraumatic headache. [Biofeedback & Self-Regulation](#), 21(2), 93-104.

Lehmann, D., Lang, W., & Debruyne, P. (1976). Controlled EEG alpha feedback training in normals and headache patients. [Archives of Psychiatry](#), 221, 331-343.

- Matthew, A., Mishm, H., & Kumamiah, V. (1987). Alpha feedback in the treatment of tension headache. Journal of Personality & Clinical Studies, 3(1), 17-22.
- McKenzie, R., Ehrisman, W., Montgomery, P. S., & Barnes, R. H. (1974). The treatment of headache by means of electroencephalographic biofeedback. Headache, 13, 164-172.
- Pelletier, K. R., & Pepper, E. (1977). Developing a biofeedback model: Alpha EEG feedback as a means for pain control. International Journal of Clinical & Experimental Hypnosis, 25, 361-371.
- Rosenfeld, J. P., Dowman, R., Heinricher, N., & Silvia, R. (1984). Operantly controlled somatosensory evoked potentials: Specific effects on pain processes. Chapter in B. Rockstroh, T. Elbert, W. Lutzenberger, & N. Birbaumer (Eds.), Self-Regulation of the Brain and Behavior. Berlin: Springer-Verlag, pp. 164-179.
- Rosenfeld, J. P., Silvia, R., Weitkunat, R., & Dowman, R. (1985). Operant control of human somatosensory evoked potentials alters experimental pain perception. Chapter in H. L. Fields, R. Dubner, & F. Cervero (Eds.), Advances in Pain Research and Therapy, Volume 9: Proceedings of the Fourth World Congress on Pain. New York: Raven Press, 343-349.
- Sime, A. (2004). Case study of trigeminal neuralgia using neurofeedback and peripheral biofeedback. Journal of Neurotherapy, 8(1), 59-71.
- Siniatchkin, M., Hierundar, A., Kropp, P., Kuhnert, R., Gerber, W-D., & Stephani, U. (2000). Self-regulation of slow cortical potentials in children with migraine: An exploratory study. Applied Psychophysiology & Biofeedback, 25(1), 13-32.
- Tansey, M. A. (1991). A neurobiological treatment for migraine: The response of four cases of migraine to EEG biofeedback training. Headache Quarterly: Current Treatment & Research, 90-96.

Schizophrenia

- Gruzelier, J. (2000). Self regulation of electrocortical activity in schizophrenia and schizotypy: A review. Clinical Electroencephalography, 31(1), 23-29.
- Gruzelier, J., Hardman, E., Wild, J., Zaman, R., Nagy, A., & Hirsch, S. (1999). Learned control of interhemispheric slow potential negativity in schizophrenia. International Journal of Psychophysiology, 34, 341-348.
- Schneider, F., Rockstroh, B., Heimann, H. et al. (1992). Self-regulation of slow cortical potentials in psychiatric patients: Schizophrenia. Biofeedback & Self-Regulation, 17, 277-292.

Obsessive Compulsive Disorder

- Hammond, D. C. (2003). QEEG-guided neurofeedback in the treatment of obsessive

compulsive disorder. [Journal of Neurotherapy](#), 7(2), 25-52.

Hammond, D. C. (2004). Treatment of the obsessional subtype of obsessive compulsive disorder with neurofeedback. [Biofeedback](#), 32, 9-12.

Parkinson's Dystonia

Thompson, M., & Thompson, L. (2002). Biofeedback for movement disorders (dystonia with Parkinson's disease): Theory and preliminary results. [Journal of Neurotherapy](#), 6(4), 51-70.

Tourette's Syndrome

Tansey, M. A. (1986). A simple and a complex tic (Gilles de la Tourette's syndrome): Their response to EEG sensorimotor rhythm biofeedback training. [International Journal of Psychophysiology](#), 4(2), 91-97.

Autism

Jarusiewicz, B. (2002). Efficacy of neurofeedback for children in the autistic spectrum: A pilot study. [Journal of Neurotherapy](#), 6(4), 39-49.

Scolnick, B. (2005). Effects of electroencephalogram biofeedback with Asperger's syndrome. [International Journal of Rehabilitation Research](#), 28(2), 159-163.

Sichel, A. G., Fehmi, L. G., & Goldstein, D. M. (1995). Positive outcome with neurofeedback treatment of a case of mild autism. [Journal of Neurotherapy](#), 1(1), 60-64.

Creativity & Optimal Functioning

Boynton, T. (2001). Applied research using alpha/theta training for enhancing creativity and well-being. [Journal of Neurotherapy](#), 5(1-2), 5-18.

Egner, T., & Gruzelier, J. H. (2003). Ecological validity of neurofeedback: Modulation of slow wave EEG enhances musical performance. [NeuroReport](#), 14(9), 1221-1224.

Egner, T., & Gruzelier, J. H. (2004). EEG biofeedback of low beta band components: Frequency-specific effects on variables of attention and event-related brain potentials.

Egner, T., & Gruzelier, J. H. (2004). The temporal dynamics of electroencephalographic responses to alpha/theta neurofeedback training in healthy subjects. [Journal of Neurotherapy](#), 8(1), 43-57.

Hanslmayer, S., Sauseng, P., Doppelmayr, M., Schabus, M., & Klimesch, W. (2005). Increasing individual upper alpha by neurofeedback improves cognitive performance in human subjects. [Applied Psychophysiology & Biofeedback](#), 30(1), 1-10.

Raymond, J., Sajid, I., Parkinson, L. A., & Gruzelier, J. H. (2005). Biofeedback and dance performance: A preliminary investigation. Applied Psychophysiology & Biofeedback, 30(1), 65-74.

Cognitive Decline with Aging

Albert, A. O., Andrasik, F., Moore, J. L., & Dunn, B. R. (1998). Theta/beta training for attention, concentration and memory improvement in the geriatric population. Applied Psychophysiology & Biofeedback, 23(2), 109. Abstract.

Budzynski, T. H. (1996). Brain brightening: Can neurofeedback improve cognitive process? Biofeedback, 24(2), 14-17.

Asthma

Tansey, M. A. (1992). EEG sensorimotor biofeedback training and the treatment of a six-year old asthmatic child. American Journal of Clinical Biofeedback, 5(2), 145-149.

Hypertension

Norris, S. L., Lee, C-T., Burshteyn, D., & Cea-Aravena, J. (2001). The effects of performance enhancement training on hypertension, human attention, stress, and brain wave patterns: A case study. Journal of Neurotherapy, 4(3), 29-44.

Dissociative Disorders

Manchester, C., Allen, T., & Tachiki, K. H. (1998). Treatment of dissociative identity disorder with neurotherapy and group self-exploration. Journal of Neurotherapy, 2(4), 40-53.

Mason, L. A., & Brownback, T. S. (2001). Optimal functioning training with EEG biofeedback for clinical populations: A case study. Journal of Neurotherapy, 5(1-2), 33-44.

Tinnitus

Gosepath, K., Nafe, B., Ziegler, E., & Mann, W. J. (2001). Neurofeedback training as a therapy for tinnitus. HNO (German), 49(1), 29-35.

Schenk, S., Lamm, K., Gundel, H., & Ladwig, K. H. (2005). Effects of neurofeedback-based EEG alpha and EEG beta training in patients with chronically decompensated tinnitus. HNO (German), 53(1), 29-38.

Weiler, E. W., Brill, K., Tachiki, K. H., & Schneider, D. (2001). Neurofeedback and quantitative electroencephography. International Journal of Tinnitus, 8(2), 87-93.

Criminals

Quirk, D. A. (1995). Composite biofeedback conditioning and dangerous offenders: III. [Journal of Neurotherapy](#), 1(2), 44-54.

Adverse Reactions

Hammond, D. C., Stockdale, S., Hoffman, D., Ayers, M. E., & Nash, J. (2001). Adverse reactions and potential iatrogenic effects in neurofeedback training. [Journal of Neurotherapy](#), 4(4), 57-69.

Lubar, J. F., Shabsin, H. S., Natelson, S. E. et al. (1981). EEG operant conditioning in intractable epileptics. [Archives of Neurology](#), 38, 700-704.

Lubar, J. F. & Shouse, M. N. (1976). EEG and behavioral changes in a hyperactive child concurrent with training of the sensorimotor rhythm (SMR): A preliminary report. [Biofeedback & Self-Regulation](#), 1(3), 293-306.

Lubar, J. F., & Shouse, M. N. (1977). Use of biofeedback in the treatment of seizure disorders and hyperactivity. [Advances in Clinical Child Psychology](#), 1, 204-251.

Theoretical-Conceptual, Standards, & Review Articles

Abarbanel, A. (1995). Gates, states, rhythms, and resonances: The scientific basis of neurofeedback training. [Journal of Neurotherapy](#), 1(2), 15-38.

Butnik, S. M. (2005). Neurofeedback in adolescents and adults with attention deficit disorder. [Journal of Clinical Psychology](#), 61(5), 621-625.

Egner, T., Zech, T. F., & Gruzelier, J. H. (2004). The effects of neurofeedback training on the spectral topography of the electroencephalogram. [Clinical Neurophysiology](#), 115, 2452-2460.

Fehmi, L. G., & Sundor, A. (1989). The effects of electrode placement upon EEG biofeedback training: The monopolar-bipolar controversy. [International Journal of Psychosomatics](#), 36(1-4), 23-33.

Gruzelier, J., & Egner, T. (2005). Critical validation studies of neurofeedback. [Child & Adolescent Psychiatric Clinics of North America](#), 14(1), 83-104.

Hammond, D. C., Walker, J., Hoffman, D., Lubar, J. F., Trudeau, D., Gurnee, R., & Horvat, J. (2004). Standards for the use of quantitative electroencephalography (QEEG) in neurofeedback: A position paper of the International Society for Neuronal Regulation. [Journal of Neurotherapy](#), 8(1), 5-27.

Holtmann, M., Stadler, C., Leins, U., Strehl, U., Birbaumer, N., & Poustka, F. (2004). Neurofeedback for the treatment of attention-deficit/hyperactivity disorder (ADHD) in childhood and adolescence. [Zeitschrift fur Kinder-und Jugendpsychiatrie und](#)

Psychotherapie, 32(3), 187-200.

Lubar, J. F. (1991). Discourse on the development of EEG diagnostics and biofeedback for attention-deficit/hyperactivity disorders. Biofeedback & Self-Regulation, 16(3), 201-225.

Lubar, J. F. (1997). Neocortical dynamics: Implications for understanding the role of neurofeedback and related techniques for the enhancement of attention. Applied Psychophysiology & Biofeedback, 22(2), 111-126.

Lubar, J. F. (2003). Neurofeedback for the management of attention-deficit/hyperactivity disorders. Chapter in M. S. Schwartz & F. Andrasik (Eds.), Biofeedback: A Practitioner's Guide (Third Edition). New York, Guilford, 409-437.

Monastra, V. J. (2003). Clinical applications of electroencephalographic biofeedback. Chapter in M. S. Schwartz & F. Andrasik (Eds.), Biofeedback: A Practitioner's Guide (Third Edition). New York, Guilford, 438-463.

Monastra, V. J. (2005). Electroencephalographic biofeedback (neurotherapy) as a treatment for attention deficit disorder: Rational and empirical foundation. Child & Adolescent Psychiatric Clinics of North America, 14(1), 53-82.

Monastra, V. J., Lynn, S., Linden, M., Lubar, J. F., Gruzelier, J., & LaVaque, T. J. (2005). Electroencephalographic biofeedback in the treatment of attention-deficit/hyperactivity disorder. Applied Psychophysiology & Biofeedback, 30(2), 95-114.

Nelson, L. A. (2003). Neurotherapy and the challenge of empirical support: A call for a neurotherapy practice research network. Journal of Neurotherapy, 7(2), 53-67.

Sams, M. W., (1995). Mathematically derived frequency correlates in cerebral function: Theoretical and clinical implications for neurofeedback treatment. Journal of Neurotherapy, 1(2), 1-14.

Vernon, D., Frick, A., & Gruzelier, J. (2004). Neurofeedback as a treatment for ADHD: A methodological review with implications for future research. Journal of Neurotherapy, 8(2), 53-82.

Walker, J. (2004). A neurologist's advice for mental health professionals on the use of QEEG and neurofeedback. Journal of Neurotherapy, 8(2), 97-103.

General Articles on Slow Cortical Potential Neurofeedback

Birbaumer, N., Elbert, T., Canavan, A. G. M., & Rockstroh, B. (1990). Slow potentials of the cerebral cortex and behavior. Physiological Reviews, 70, 1-41.

Birbaumer, N., Roberts, L. E., Lutzenberger, W., Rockstroh, B., & Elbert, T. (1992). Area-specific self-regulation of slow cortical potentials on the saggital midline and its effects

on behavior. [Electroencephalography & Clinical Neurophysiology](#), 84 353-361.

Elbert, T. (1980). Biofeedback of slow cortical potentials. Part I. [Journal of Electroencephalography & Clinical Neurophysiology](#), 48, 293-301.

Elbert, T., Lutzenberger, W., Rockstroh, B., & Birbaumer, N. (1983). When regulation of slow brain potentials fails BA contribution to the psychophysiology of perceptual aberration and anhedonia. [Advances in Biological Psychiatry](#), 13, 98-106.

Kotchoubey, B., Schleichert, H., Lutzenberger, W., & Birbaumer, N. (1997). A new method for self-regulation of slow cortical potentials in a timed paradigm. [Applied Psychophysiology & Biofeedback](#), 22(2), 77-93.

Kropp, P., Siniatchkin, M., & Gerber, W. D. (2002). On the pathophysiology of migraine: Links for Aempirically based treatment@ with neurofeedback. [Applied Psychophysiology & Biofeedback](#), 27(3), 203-213.

Roberts, L. E., Birbaumer, N., Rockstroh, B., Lutzenberger, W., & Elbert, T. (1989). Self-report during feedback regulation of slow cortical potentials. [Psychophysiology](#), 26(4), 392-403.

Rockstroh, B. (1987). Operant control of slow brain potentials. Chapter in J. N. Hengtgen, D. Hellhammer, & G. Huppmann (Eds.), [Advanced Methods in Psychobiology](#). C. H. Hogrefe, pp. 179-190.

Rockstroh, B., Birbaumer, N., Elbert, T., & Lutzenberger, W. (1984). Operant control of spontaneous EEG, evoked potentials and slow potentials of the brain. [Biofeedback & Self-Regulation](#), 9(2), 139-160.

Rockstroh, B., Elbert, T., Lutzenberger, W., & Birbaumer, N. (1982). The effects of slow cortical potentials on response speed. [Psychophysiology](#), 19, 211-217.

Siniatchkin, M., Kropp, P., & Gerber, W-D. (2000). Neurofeedback The significance of reinforcement and the search for an appropriate strategy for the success of self-regulation. [Applied Psychophysiology & Biofeedback](#), 25(3), 167-175.

Hemoencephalography (HEG)

Carmen, J. A. (2004). Passive infrared hemoencephalography: Four years and 100 migraines. [Journal of Neurotherapy](#), 8(3), 23-51.

Friedes, D., & Aberbach, L. (2003). Exploring hemispheric differences in infrared brain emissions. [Journal of Neurotherapy](#), 8(3), 53-61.

Mize, W. (2004). Hemoencephalography—A new therapy for attention deficit hyperactivity disorder (ADHD): Case report. [Journal of Neurotherapy](#), 8(3), 77-97.

Sherrill, R. (2004). Effects of hemoencephalography (HEG) training at three prefrontal

locations using EEG ratios at Cz. Journal of Neurotherapy, 8(3), 63-76.

Toomim, H., Mize, W., Kwong, P. C., Toomim, M., Marsh, R., Kozlowski, G. P., Kimball, M., & Remond, A. (2004). Intentional increase of cerebral blood oxygenation using hemoencephalography (HEG). Journal of Neurotherapy, 8(3), 5-21.

LORETA Neurofeedback

Congedo, M., Lubar, J. F., & Joffe, D. (2004). Low-resolution electromagnetic tomography neurofeedback. IEEE Transactions on Neural Systems & Rehabilitation Engineering, 12(4), 387-397.

Disclaimer: All articles, documents and publications mentioned by or linked by this site or hosted at this site have been provided by The International Society for Neuronal Regulation (ISNR) as a public service. There is absolutely no endorsement by ISNR of any statement made in any of these documents, articles, or publications. Expect to see differences of opinion between authors. That is the essence of free and open scientific study.



[Top of Page](#) | [ISNR home](#) updated 14 June 2005