

KIRTLEY E. THORNTON, PH.D.
CENTER FOR HEALTH PSYCHOLOGY
2509 PARK AVE, S. PLAINFIELD, N.J., 07080
908 -753-1800 fax-908-753-2620
Email: ket@chp-neurotherapy.com
Web Address: www.Chp-Neurotherapy.com

Education:

Ph.D., Clinical Psychology, New School for Social Research, Graduate Faculty Division, NY, NY, 1980, offered Hiram Halle Valedictorian Scholarship

M.A., Psychology, New School for Social Research, NY, NY 1976

B.A., Psychology, Oberlin College, Oberlin, Ohio, 1968

H.S., Lawrenceville Preparatory School, Lawrenceville, N.J.

9/76-9/77: Psych. Intern: Maimonides Comm. Mental Health, Brooklyn, N.Y.

5/79-5/80: Psychology Trainee: Brooklyn Comm. Counseling Center, Brooklyn, NY

Current Professional Involvement:

Administrative Director, Center for Health Psychology, South Plainfield, NJ; 1985-present

Prior Professional:

5/83-11/83: *Chief Neuropsychologist*, St. Lawrence Rehabilitation Institute, Lawrenceville, N.J.

5/80-5/83: *Clinical Psychologist*, JFK Mental Health Institute, Edison, N.J.

Professional Affiliations:

National Academy of Neuropsychology, Professional

New Jersey Learning Disability Association, Professional Advisor

Consulting Editor; Journal of Neurotherapy

International Society for Neuronal Regulation

Research Chairman, AAPB Research Committee

Board of Directors, qEEG Certification Board

Diplomate: QEEG, Neurotherapy

Research:

Published Research

Neuropsychology of Sex Offenders. *Journal of Offender Rehabilitation*. Jan. 1991.

The Anatomy of The Lie: An Exploratory Investigation via the quantitative EEG. *Journal of Offender Rehabilitation*, 1995. 22 (3/4), 179-210.

On the Nature of Artifacts in the qEEG. *Journal of Neurotherapy*, 1 (3), 1996, 31-40.

The Fig Technique and the Functional Structure of Memory in Head Injured and Normal Subjects. Journal of Neurotherapy, 2 (1), 1997, 23-43.

Exploratory Analysis: Mild Head Injury, Discriminant Analysis with High Frequency Bands (32-64 Hz) under Attentional Activation Conditions & Does Time Heal?. Journal of Neurotherapy, Feb., 2000, 1-10.

Exploratory Investigation into Mild Brain Injury and Discriminant Analysis with High Frequency Bands (32-64 Hz), Brain Injury, August, 1999, 477-488.

Electrophysiology of Auditory Memory of Paragraphs. Journal of Neurotherapy, 2000, Vol 4(3), 45-73.

Rehabilitation of Memory Functioning in Brain Injured Subjects with EEG Biofeedback. Journal of Head Trauma Rehabilitation, Dec., 2000, 15 (6), 1285-1296.

Rehabilitation of Memory functioning with EEG Biofeedback. Neurorehabilitation, 2002, Vol. 17 (1), 69-81.

Electrophysiology of Visual Memory for Korean Characters. Current Psychology, Spring 2002, Vol. 21, No. 1, 85-108.

Electrophysiology of the reasons the brain damaged subject can't recall what they hear. Archives of Clinical Neuropsychology, 2002, 17, 1-17.

Electrophysiology (QEEG) of Effective Reading Memory: Towards a Generator/Activation Theory of the Mind. Journal of Neurotherapy, 2002, 6(3), 37-66.

EEG Biofeedback for Reading Disabilities and Traumatic Brain Injuries. Child and Adolescent Psychiatric Clinics of North America, Jan., 2005, 137-162.

A Cost/Benefit Analysis of Different Intervention Models for the LD/Special Education Student, Biofeedback, Winter, 2004, 9-13.

Subtype Analysis of LD by QEEG pattern analysis, Biofeedback, 34 (3), 2006, 106-114.

The qEEG in the Lie Detection Problem; The Localization of Guilt, J. of Neurotherapy, 2006, 31-45.

Reading Disability from the Activation Database Point of View, Neuroconnections, May, 2007, 9-11

Thornton, K. E., & Carmody, D. P. (2008). Eyes-Closed and Activation QEEG Databases in Predicting Cognitive Effectiveness and the Inefficiency Hypothesis, Journal of Neurotherapy, in press

Thornton, K. E., & Carmody, D. P. (2008). Traumatic brain injury rehabilitation: Efficacy review of computers, strategies, QEEG-guided biofeedback, and medications. Applied Psychophysiology and Biofeedback, 33(2). 101-124.

Submitted for Peer Review

Thornton, K. & Carmody, D. Traumatic Brain Injury Rehabilitation: QEEG Biofeedback Treatment Protocols

Book Chapters

Ch. 95, Cognitive Rehabilitation and Neuronal Plasticity, in Evidence Based Practice Manual, ed. A. Roberts & K. Yaeger, Oxford University Press, 2004

Chapter Traumatic Brain Injury and the Role of the Quantitative EEG in the assessment and remediation of cognitive sequelae, Integrative Clinical Psychology, Psychiatry and Behavioral Medicine, Perspectives, Practices and Research. *In press, 2008.*

Book

NCLB (and more) is attainable with Neurocognitive Interventions, Vol. 1 (2006), Booksurge Press

Certification:

***Licensed Psychologist*, State of N.J. (#1682), N.Y. (#00713784), Pennsylvania**

1-Patent #5564433: Method for Display, Analysis, Classification, and Correlation of Electrical Brain Function Potentials - issued 10-15-1996

2-Patent # 6309361 B1 Method for Improving Memory by Identifying and Using QEEG Parameters Correlated to Specific Cognitive Functioning – issued 10-30-2001

Presentations:

Society for the Study of Neuronal Regulation National Conference, Sept. 1999 - **Discriminant Analysis of Traumatic Brain Injury with QEEG under activation conditions**

Society for the Study of Neuronal Regulation National Conference, Sept., 1999 - **QEEG correlates of effective cognitive functioning**

New York Academy of Traumatic Brain Injury

Nov.,2000 **The QEEG and why the TBI patient can't recall what they hear and read:**

April, 2005 **The Activation qEEG in TBI, NY Academy of Traumatic Brain Injury**

May, 2005, **EEG Biofeedback for LD, ADHD and TBI, Northeast Biofeedback Society**

Public Announcements:

Star Ledger, Extraordinary Individual (Middlesex County), April 12, 1998

Metuchen Local TV: Interview on the use of QEEG in Lie Detection & Education

Nominated, 1998

1-Thomas A. Edison Patent of the Year Award

Nominations: June, 2002

2-Award for Distinguished Professional Contributions to Independent or Institutional Practice in the Private Sector

3-Award for Distinguished Contributions of Applications of Psychology to Education and Training

May, 2004

4-New Abilities Foundation Award for Best New Freedom Product or Technology (considered by supporters as the Nobel Peace prize award in the area of disabilities)

5-**Aug., 2005** North American Brain Injury Society Innovations in Treatment Award