CONFERENCE SUBMISSION

Biography:

Greta Goldberg has been a longstanding member of the APS Colleges of Clinical and Forensic Psychology, as well as an affiliated member of the CCN. She also has an extensive list of memberships to many professional associations.

Her area of clinical and research interest and expertise is in the generational transmission of complex PTSD, leading to her work as an Authorised Clinician of the NSW Children’s Court.

She has extensive experience in the assessment and treatment of psychological injury including Traumatic Brain Injury (TBI). In addition to traditional evidence-based methodologies, she is trained and experienced in Interpersonal/Psychodynamic and Process-Oriented Psychotherapy.

More recently she has become an accredited provider in the Feuerstein Instrumental Enrichment Program (FIE), utilising the model of Mediated Learning and Structural Cognitive Modifiability to evaluate and rehabilitate learning potential that has been lost through injury, illness, or Developmental Disorders.

Contact details:
5 Fern Place, Bondi Junction, NSW 2022
T1300 852 858 Fax: 9389 0803  gretagoldberg@psychelpsdyney.com

ABSTRACT

Title of Paper
Feuerstein Instrumental Enrichment (FIE) - An integrated program for mediating metacognitive learning across the lifespan -Some clinical applications.
Goldberg, G. (Principal clinical, forensic and neuropsychologist at Psychel psydney).

Feuerstein Instrumental Enrichment (FIE) - An integrated program for mediating Metacognitive Learning across the Lifespan - Some Clinical Applications.

This paper introduces Feuerstein's theory and philosophy of metacognitive learning, and his methodology of Cognitive Structural Modifiability with its neuroplasticity basis in mirror neurone research studies. The paper contrasts Feuerstein's Human-Mediated Learning of meta-intelligence, with the more mechanistic methods of digital Brain Training.

Four Case studies will be presented to illustrate the diversity of clinical, developmental, and rehabilitative applications of FIE.

The four cases will address a common goal: How to enhance the pre - post treatment potential in the cognitive modifiability of a Down Syndrome toddler, an early Dementia man, a Brain Injured Veteran, and a parent-child attachment disorder.
Evidence Beyond Statistics
Feuerstein and Neuroplasticity - Theoretical and Conceptual –
Feuerstein FE: Neurocognitive Theory and Practice Research

Mediated Learning Experience (MLE) >> sparks motor memory >> neuroplasticity
MLE is intentional, interactive, and processed memory that engages the structural and functional development of the brain. It enhances neuroplasticity, neurodevelopment, and neuroplasticity.

Structural Cognitive Modifiability (SCM) >> sparks research >> into neural networking and connectivity
SCM maps the neural parameters and stresses the plasticity of neural networks, i.e., activity-based learning changes.

See References 1-5 for more information.

Greta Goldberg
Principal Clinical, Forensic, and Neuropsychologist at PsychologySydney
www.psychologysydney.com
Evidence Beyond Statistics
Feuerstein and Neuroplasticity – Theoretical and Conceptual
1921 – 2014 Feuerstein FIE: Neurocognitive Theory and Practice Ignites Growing Research

Mediated Learning Experience (MLE) Ignites Mirror Neurone / fMRI Research


Structural Cognitive Modifiability (SCM) Ignites Research Into Neural Networking and Connectivity

11. Edin F et al. (2009), Mechanism for top-down control of working memory capacity, PNAS, 106(16), pp 6802–6807.

**Brain Training Research**


Feuerstein Instrumental Enrichment (FIE) Ignites Outcome Research – Broad Spectrum Applications. E.g. Classrooms, Corporations, Army, Disability, Giftedness, Rehab, and Psychotherapy.

42. Macy P (1991). The Effects of Feuerstein’s Instrumental Enrichment (FIE) on Cognitive Performance and Transfer Measures of At-risk Adolescents When Adequate Mediated Learning Experiences are Present [Published Dissertation]

General References