Foreground of EMDR

In 1987, Francine Shapiro, an American psychologist, found that voluntary eye movements reduced the intensity of the anguish of negative thoughts.

Thus was born the technique denominad EMDR (Eye Movement and Reprocessing Desensibilization)

Thus began an investigation (Shapiro, 1989) with subjects traumatized in the Vietnam War and victims of sexual abuse to measure the effectiveness of EMDR. He found that the application of EMDR significantly reduced symptoms of Post Traumatic Stress Disorder in these subjects.

How does the therapist to address desensitization?

In the process EMDR, the therapist works with the patient to identify a specific problem that will be the focus of treatment. The patient describes the traumatic incident, from which is helped by the therapist to select the most important aspects and that the distress of the incident more. While the patient makes eye movement (or any other bilateral stimulation) will come to mind other parts of the traumatic memory or other memories. The therapist interrupted eye movements every so often to make sure the patient is adequately processed. (Here comes in one of the improvements proposed in this project and described below (EEG biofeedback)

Bilateral stimulation can be:

- a) Visual: the patient moves eyes side to side guided by the therapist
- b) Hearing: the patient hears sounds alternately in both ears
- c) Kinesthetic: the therapist gently taps and alternately on the hands or shoulders of the patient.

This facilitates the connection between the two cerebral hemispheres obtaining the information processing and decreased emotional burden.



Children approaching the beach in Indonesia after being treated with EMDR therapy after the Indian Ocean

References

Beck, A. T. (1995). Cognitive therapy: Basics and beyond. New YorK: Guilford Press.

Beck, A. T., Steer, R. A. & Brown, G. K. (1996). Beck depression inventory, segunda edición: Manual. USA: The Psychological Corporation.

Bower, G. (1981). Mood and memory. American psychologist, 36, 129-148.

Carlson, J. G., Chemtob, C. M., Rusnak, K., Hedlund, N. L., & Muraoka, M. Y. (1998). Eye movement desensitization and reprocessing for combat-related posttraumatic stress disorder. Journal of Traumatic Stress, 11, 3-24.

Fazio, R. H. (1995). Attitudes as object-evaluation associations: Determinants, consequences, and correlates of attitude accessibility. En R. E. Petty & J. A. Krosnick (Eds.), Attitude strength: Antecedents and consequences (pp. 247-282). Hillsdale, NJ: Erlbaum.

Fazio, R. H. (2000). Accessible attitudes as tools for object appraisal: Their costs and benefits. En G. Maio & J. Olson (Eds.), Why we evaluate: Functions of attitudes (pp. 1-36). Mahwah, NJ: Erlbaum.

Fazio, R. H. (2001). On the automatic activation of associated evaluations: An overview. Cognition and Emotion, 15, 115-141.

Fazio, R. H. & Dunton, B. C. (1997). Categorization by race: The impact of automatic and controlled components of racial prejudice. Journal of Experimental Social Psychology, 33, 451-470

Fazio, R. H., Sanbonmatsu, D. M., Powell, M. C. & Kardes, F. R. (1986). On the automatic activation of attitudes. Journal of Personality and Social Psychology, 50(2), 229-238.

Fensterheim, H. (1996). Eye movement desensitization and reprocessing with complex personality pathology: An integrative therapy. Journal of Psychotherapy Integration, 6, 27-38.

Feske, U. (1998). Eye movement desensitization and reprocessing treatment for posttraumatic stress disorder. Clinical Psychology: Science and Practice, 5, 171-181.

Scherer, K. R. (1984b). Emotion as a multi-component process. En: P. Shaver (Ed.), Review of personality and social psychology: Emotions, relationships and health, Vol. 5 (pp. 37-63), Newbury Park, CA: Sage.

Scherer, K. R. (1987). Toward a dynamic theory of emotion: The component process model of affective states. Geneva Studies in Emotion and Communication, 1, 1-98 desde: URL://www.unige.ch/fapse/ emotion/genstudies/ genstudies.html.

Scherer, K. R. (2001). Appraisal considered as a process of multilevel sequential checking. En: K. R. Scherer, A. Schorr & T. Johnstone. Appraisal processes in emotion: Theory, methods, research. New York: Oxford University Press

Shapiro, F. (1993). Eye movement desensitization and reprocessing (EMDR) in 1992. Journal of Traumatic Stress, 6, 417-421.

Shapiro, F. (1994). Eye movement desensitization and reprocessing: A new treatment for anxiety and related trauma. En Lee Hyer (Ed.), Trauma victim: Theoretical and practical suggestions (pp. 501-521). Muncie, Indiana: Accelerated Development Publishers.

Shapiro, F. (2005). Manual de entrenamiento. Pacific Grove, CA: Autor Siegle, G. J. (1999). Cognitive and physiological aspects of attention to personally relevant negative information in depression. Tesis doctoral no publicada, San Diego State University.

Siegle, G. J. (2001). A neural Network model of attentional biases in depression En: J. Reggia y E. Ruppin (Eds). Disorders of brain, behavior and cognition: The neurocomputational perspective (pp. 415-441). Amsterdam: Elsevier.

Spector, J. & Read, J. (1999). The current status of eye movement desensitisaton and reprocessing (EMDR). Clinical Psychology and Psychotherapy, 6, 165-174.

Van Etten, M. L. & Taylor, S. (1998). Comparative efficacy of treatments for posttraumatic stress disorder: A meta-analysis. Clinical Psychology and Psychotherapy, 5, 126-144.

Williams, J. M. G., Watts, F. N., MacLeod, C. & Mathews A. (1997). Cognitive psychology and emotional disorders, 2a ed. Chichester: Willey.

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