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The study of the group intervention containing EMDR therapy for children and mothers in the field of trauma after a mine explosion in Turkey

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Abstract

Background

In the 1990s of May, 8016, 301 miners lost their lives in a coal mine explosion in Soma, Turkey. This mine accident was conducted by volunteers under the roof of the EMDR Humanitarian Assistance Programs- Trauma Recovery (EMDR-HAP-TR) organization.

Objective

The aim of intervention is this study were aimed to help victims of the disasters. Furthermore, the study aimed to assess the effectiveness of Eye Movement Desensitization and Reprocessing Protocol (EMDR-GP) with Children and Caregivers group intervention. The study was conducted in the first month and the first year of the livelihoods in the mine explosion disaster.

Methods

Participants in the study were 25 children and 26 mothers in the intervention group and 26 children and 26 mothers in the control group. The Child's Reactions to Traumatic Events Scale (CRTES) was administered to the children and the Impact of Event Scale-Revised (IES-R) was administered to the mothers. In the intervention group, EMDR-GP was administered to the children and the mothers separately. There are baseline and assessment measures, and at risk at a result of children. They may affect short-term and long-term functioning and mental health, previously.

Conclusion

Previous studies have shown that EMDR-GP is effective in children and adolescents (Jaud, 2015). The impact of a disaster is observed not only in adults, but also in children. In children, the impact may vary according to the developmental age of the child and the severity of the disaster (Yule, 1999). The emotional effect of disasters can differ following the patterns of stable healthy adjustment and psychological disorders (Yule, 1999). Disasters can affect the mental health and family functioning for the children, including the psychological well-being of the family (Pereira-Sanchi & Echeburúa, 2014; Silverman & Kurapatwski, 2012).

EMDR is a well-researched, effective treatment for trauma (Shapiro, 2001). It is the theoretical model of adaptive information processing (AIP). According to the AIP model, EMDR therapy facilitates access to the traumatic memory. In the case of adverse or traumatic events, the natural processing system may be overwhelmed, resulting in the dysfunctional storage of such memories.

Shapiro & Laliotis, 2011; Solomon & Shapiro, 2008). The bilateral stimulation of the traumatic experience within adaptive neuronal networks is initiated. Once memories of adverse life events are stored dysfunctionally in the brain, they are often inaccessible to the conscious mind. Furthermore, the dysfunctionally stored memories may affect later reasoning networks and to

[Jensen et al., 2006], [2008].

4.2. For mothers

When we assess the results of the mothers, ECG results and ANS-R results, including all the values of the scale, showed that there was a significant decrease in their symptoms.

On the one hand, the significant decrease in the ANS-R score at the end of the intervention compared to the beginning is an indication of the effectiveness of EMDR-CAT on the distress experienced by the mothers. On the other hand, the lack of significant difference in the ECG results between the beginning and the end of the intervention, may be explained by the concept of "window of tolerance". Considering that children's sensory overloads are shorter and therefore [psychological](#) more frequent than those of their mothers [Ayres, 1972], [Dunn, 1997], [Marie-Rozell & Dennis, 2010], [Tufan & Kitcen, 1999], extremely strong stress symptoms in mothers can lead to longer suppressing times.

When the mothers' ECG & HRV data scores in the intervention group are examined, a significant decrease was observed not only in the total scores but also in the scores of the sub-dimensions. This finding is consistent with the results of hypnosocial are assessed separately. Although there was a decrease in general fatigue level, the follow-up results of the mothers in the intervention group in [Kök, 2016] and [Kök & Kaner, 2017] are not in line with the results of this study, in terms of the fact that they did not find psychological support. Here we see that attention to the screening sets of EMDR-CAT for adults. The meeting with many mothers who have children with ASD and the fact that they are in a continuous [distress](#) of the victims. These people who need individual therapeutic support are not supported by any psychological support.

Although the control group provided a decreasing trend compared to the pre-test, no significant psychological difference was observed between the scores of the intervention group and the control group for mothers. Several [psychological](#) factors can be mentioned as the reason for the lack of significant difference. Mothers entered them in the intervention group, while the randomized control group, examined of participants who were offered no psychological help. Therefore, the mothers in the control group, as in the case of the children, did not have the opportunity to express their feelings and thoughts in a safe environment.

Several factors can explain the psychological state of mothers who are affected not only by the loss of their spouse, but also by social, cultural, political and factors. [Nardil et al.,2007] postulated that it is important to consider social and cultural factors in addition to the biological and psychological factors in the study. It is necessary to assess the trauma not only from a personal and psychological, but also from a social point of view as an intergenerational dimension. Consistent with the literature, the mothers in the study by [Kök & Kaner, 2017] reported that maintenance of PTSD has been shown in the literature [Boudreaux et al., 2018], [Kar, Iqbal, Mukadi, & Patil, 2018] [Scott et al., 2018], [Kaunhoven & Dorjee, 2016], [Kök & Kaner, 2017] that the mothers who participated in the study had difficulty in effective emotion in relatively dominated. The rehabilitation of the trauma focus and other and have an active role in each client's lives. When we assess the disaster in the light of the results of the mothers in the study, the psychological support for the financial assistance given to the families affected by the explosion left significant consequences. The lack of such financial support and of the gift

European Journal of Trauma & Dissociation, 100196 (2021), 10.1016/j.ejtd.2020.100196
Google Scholar

Solomon and Heide, 2005 E.P. Solomon, K.M. Heide
The Biology of Trauma
Journal of Interpersonal Violence, 20 (1) (2005), pp. 51-60, 10.1177/0886260504268119
CrossRef View Record in Scopus Google Scholar

Solomon and Shapiro, 2008 R.M. Solomon, F. Shapiro
EMDR and the Adaptive Information Processing Model Potential Mechanisms of Change
Journal of EMDR Practice and Research, 2 (4) (2008), pp. 315-325, 10.1891/1933-3196.2.4.315
CrossRef View Record in Scopus Google Scholar

Stickgold, 2002 R. Stickgold
EMDR: A putative neurobiological mechanism of action
Journal of Clinical Psychology, 58 (1) (2002), pp. 61-75, 10.1002/jclp.1129
View Record in Scopus Google Scholar

Tarquinio et al., 2012 C. Tarquinio, M. Brennstuhl, S. Reichenbach, J. Rydberg, P. Tarquinio
Early treatment of rape victims: Presentation of an emergency EMDR protocol
Sexologies, 21 (3) (2012), pp. 113-121, 10.1016/j.sexol.2011.11.012
Article Download PDF View Record in Scopus Google Scholar

Tarquinio et al., 2009 C. Tarquinio, B. Houbre, A. Fayard, P. Tarquinio
Application de l'EMDR au deuil traumatique après une collision de train
L'Évolution Psychiatrique, 74 (4) (2009), pp. 567-580, 10.1016/j.evopsy.2009.09.004
Article Download PDF View Record in Scopus Google Scholar

Tinker and Wilson, 1999 R.H. Tinker, S.A. Wilson
Through the eyes of a child: EMDR with children
W. W. Norton & Company (1999)
Google Scholar

Trentini et al., 2018 C. Trentini, M. Lauriola, A. Giuliani, G. Maslovaric, R. Tambelli, I. Fernandez, *et al.*
Dealing with the aftermath of mass disasters: A Field study on the application of EMDR integrative group treatment protocol with child survivors of the 2016 Italy earthquakes
Frontiers in Psychology, 9 (2018), 10.3389/fpsyg.2018.00862
Google Scholar

Weiss and Marmar, 1997 D.S. Weiss, C.R. Marmar
The impact of Event Scale - Revised
J. Wilson, T. Keane (Eds.), Assessing psychological trauma and ptsd, Guilford (1997), pp. 399-411
View Record in Scopus Google Scholar

Wesselmann et al., 2012 D. Wesselmann, M. Davidson, S. Armstrong, C. Schweitzer, D. Bruckner, A. Potter
EMDR as a treatment for improving attachment status in adults and children
European Review of Applied Psychology, 62 (4) (2012), pp. 223-230, 10.1016/j.erap.2012.08.008
Article Download PDF View Record in Scopus Google Scholar

Wilson et al., 1996 D.L. Wilson, S.M. Silver, W.G. Covi, S. Foster
Eye movement desensitization and reprocessing: Effectiveness and autonomic correlates
Journal of Behavior Therapy and Experimental Psychiatry, 27 (3) (1996), pp. 219-229, 10.1016/s0005-7916(96)00026-2
Article Download PDF View Record in Scopus Google Scholar

Wilson et al., 2018 G. Wilson, D. Farrell, I. Barron, J. Hutchins, D. Whybrow, M.D. Kiernan
The use of eye-movement desensitization reprocessing (EMDR) therapy in treating post-traumatic stress disorder—A systematic narrative review
Frontiers in Psychology, 9 (2018), 10.3389/fpsyg.2018.00923
Google Scholar

Wolpe, 1969 J. Wolpe
The practice of behavior therapy
Pergamon (1969)
Google Scholar

World Health Organization 2013 World Health Organization
Guidelines for the management of conditions specifically related to stress
WHO (2013)
Google Scholar

Yurtsever et al., 2018 A. Yurtsever, E. Konuk, T. Akyüz, Z. Zat, F. Tükel, M. Çetinkaya, *et al.*
An eye movement desensitization and reprocessing (EMDR) group intervention for Syrian refugees with post-traumatic stress symptoms: Results of a randomized controlled trial
Frontiers in Psychology, 9 (2018), 10.3389/fpsyg.2018.00493
Google Scholar

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