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Impact of music therapy in management of childhood epilepsy: A systematic review**Fatma Dilek Turan Gurhopur**
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Introduction: Epilepsy affects about 11 million children throughout the world. The management of childhood epilepsy is difficult undertaking but music therapy is an important approach in childhood epilepsy.

Aim: The aim of the study was to evaluate impact of music therapy in management of childhood epilepsy.

Method: Akdeniz University electronic databases center including MEDLINE, CINAHL and PUBMED e.g. were searched studies published in English within the last ten years with key words such as “Music therapy in child with epilepsy”. Randomized control studies, original researches, systematic reviews, international guideline were reviewed.

Result: The literature searches identified 43 potentially relevant studies of which 10 trials met the inclusion criteria. The results of these studies (Millichap, 2015; Lin et al, 2014a; Lin et al, 2014b; Lin et al, 2013a; Lin et al, 2013b; Bodner et al, 2012; Lin et al, 2011a) indicated that the number of seizures and epileptiform discharges in children with epilepsy decreased during and immediately after music therapy. Lin et al (2011b) evaluated the long-term effects of Mozart K448. %72.7 of children became seizure free or had a very good responses after 6 months of music therapy. The reduction was a significant change when compared with the premusic therapy seizure frequency. Coppala et al (2015) said that music therapy was associated with an improved daytime behavior and quality of nighttime sleep in children with epilepsy. Despite Yeon et al (2014) demonstrated that music therapy were not important approach in management of childhood epilepsy.

Conclusion: Music therapy is commonly used children with epilepsy. Research indicates that music therapy is a useful therapeutic approach regardless of mentality. Listening to Mozart especially decreased epileptiform discharges in children with epilepsy. However, music should be further studied in management of childhood epilepsy.

Biography

Fatma Dilek Turan Gürhopur is 27 years old and continues her PhD at Akdeniz University in Turkey. She completed master education at Akdeniz University in Turkey too. She interested in pediatric neurology. She has articles in international and national journals about pediatric neurology.

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