

## **The Effect of Education given to Parents of Children with Sickle Cell Anemia in Turkey and Chad to Reduce Children's Pain**

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**Abstract :** This study was carried out to evaluate the effect of the education program for parents of children with Sickle Cell Anemia, on the knowledge level of parents and the reduction of pain relief by non-pharmacological methods used by parents at home. In Turkey, 54 parents and 109 from Chad agreed to participate in the survey. The data were collected by the researcher using a face-to-face interview method. Non-pharmacological treatment information form for parents, face expressions rating scale, and parent education program for non-pharmacological methods used in children with sickle cell anemia were used. It was determined that there was a statistically significant difference between the educational status, occupation, disease status, place of residence, family structure and age of parents of Chad and Turkey. According to the ratings of facial expressions scale, it was concluded that there was no significant difference between the children's average degree of pain before and after administration of non-pharmacological methods by the groups of Chad and Turkey. It was determined that the educational programs prepared for parents of children with sickle cell anemia in both Turkey and Chad were effective in increasing the knowledge level of parents and also in reducing pain crisis with non-pharmacological methods parents used at home.

**Keywords :** Chad, child, non-pharmacological treatment methods, nurse, sickle cell anemia, Turkey

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