

Improving Fine Motor Skills in the Hands of Children with ASD with Applying the Fine Motor Activities in Montessori Method of Education

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Abstract : The aim of the present study is to search for the effects of training on improving fine hand skills in children with autistic spectrum disorder through the case study statistic method. The sample group was selected by the available sampling method and included four participants. The methodology of this research was a single-subject semi-experimental of AB design. The data were gathered by natural observation. In the next stage, the data were recorded on data record sheets and then presented on diagrams. The sample group was evaluated by an assessment which the researcher created based on Lincoln-Oseretsky' motor development scale in two pre-test and post-test phases. In order to promote fingers' fine movement, the Montessori method was applied. Collecting and analyzing data which were shown by the data presentation method and diagrams, proved that it had no significant effect on improving fingers' fine movement. Therefore, based on the current research findings, it is suggested that future researchers can apply various teaching methods and different tests for improving fine hand skills or increasing the period of training.

Keywords : autism spectrum disorder, Montessori method, fine motor skills, Lincoln-Oseretsky assessment

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