6th International Congress on Child and Adolescent Psychiatry

: Phonological Awareness improvement in Children with Dyslexia via Neurofeedback Training
A Follow up study

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Introduction: The present research investigated the effectiveness of neurofeedback training (NFT).
.on reading performance and phonological awareness in children with dyslexia

Method: This study was a single subject study. Six students in the age range of 8-11 were
investigated in a multiple baseline design. Participants were assessed with Reading Disability
Checklist and Phonological awareness test in baseline, intervention (20 sessions NFT, 30 min per
session) and after intervention (3 follow up measures: 2, 4 and 6 weeks after the completion of the
training sessions). For measure the magnitude of treatment effect, the Effect size (ES) was used

Results: The results showed considerable improvements in phonological awareness with a large ES,
.but not too much in reading performance

Conclusion: The effectiveness of NFT on two cognitive processes (phonological awareness and
reading performance) was investigated. Through the findings phonological awareness was more
affected by NFT, than reading performance. This might indicated that improvement of phonological
awareness is not necessarily lead to better reading performance in Dyslexic children. Furthermore
.the NFT protocol used in this study might not enough effective on reading performance

Neurofeedback training, Phonological awareness, reading performance, Dyslexia

Poster