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Recent Findings in Epilepsy Described by Researchers from Department of Clinical Psychology (The Efficacy of Neurofeedback for Pediatric Epilepsy)

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Full Text:

2019 AUG 30 (NewsRx) -- By a News Reporter-Staff News Editor at Health & Medicine Week -- Investigators publish new report on Central Nervous System Diseases and Conditions - Epilepsy. According to news reporting originating in Chicago, United States, by NewsRx editors, the research stated, "Approximately 470,000 children (birth to 18 years old) are affected by Epilepsy (CDC in Epilepsy. <https://www.cdc.gov/epilepsy/index.html> , 2018). Since the initial findings in the 1970s, Sensorimotor Rhythm (SMR) has been continuously utilized for the treatment of seizures."

The news reporters obtained a quote from the research from the Department of Clinical Psychology, "Studies have consistently demonstrated that SMR reduces the frequency and severity of seizure activity. Although a mix of pediatric cases, adolescents and adults have been sampled in previous studies, no age effects have been reported. There continues to be a lack of research in the area of neurofeedback for the treatment of epilepsy in the pediatric population. To date, no randomized control trial specific to pediatric epilepsy has been published. The existing research regarding the use of neurofeedback in the treatment of epilepsy provides strong evidence that neurofeedback training might be an effective treatment for pediatric epilepsy. However, existing studies are not specific to the pediatric population. Moreover, there is a lack of rigor in the studies in which the effects of neurofeedback in children and adolescents with epilepsy are documented. Therefore, based on the current literature, there is not enough evidence to state that neurofeedback is efficacious for the treatment of pediatric epilepsy. However, the APBB criteria for evidence-based practices indicate that neurofeedback for pediatric epilepsy is Possibly Efficacious (Level 2)."

According to the news reporters, the research concluded: "Future research in which a randomized controlled trial approach is utilized will greatly help to increase support for the use of neurofeedback as an efficacious treatment for epilepsy."

For more information on this research see: The Efficacy of Neurofeedback for Pediatric Epilepsy. Applied Psychophysiology and Biofeedback, 2019;():. Applied Psychophysiology and Biofeedback can be contacted at: Springer, 233 Spring Street, New York, NY 10013, USA. (Springer - www.springer.com; Applied Psychophysiology and Biofeedback - www.springerlink.com/content/1090-0586/)

Our news correspondents report that additional information may be obtained by contacting S.E. Nigro, Dept. of Clinical Psychology, Adler University, 17 N Dearborn Street, Chicago, IL 60602, United States.

The publisher of the journal Applied Psychophysiology and Biofeedback can be contacted at: Springer, 233 Spring Street, New York, NY 10013, USA.

Keywords for this news article include: Chicago, Epilepsy, Pediatrics, United States, Health and Medicine, North and Central America, Brain Diseases and Conditions, Central Nervous System Diseases and Conditions.

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