

A non-conventional therapeutic approach to epilepsy in children

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Children epilepsy is a complex disease with a variety of distinct syndromes. Treatment of pediatric epilepsy is challenging. Childhood epilepsies are commonly associated with seizures that are resistant to existing treatment methods. Therefore, treatment of pediatric epilepsy requires more effective therapy to avoid short-term and long-term neurological disorders. Marijuana has been used to treat disease since ancient times. Marijuana ingredients Cannabidiol (CBD) and D9-Tetrahydrocannabinol (THC) have created a significant research interest as potential therapy options in epilepsy treatment. THC is the major psychoactive component of marijuana that aids in reducing epileptic seizures. CBD has proven to have anticonvulsant effect not only in experimental models but also in

clinical studies. Research studies have provided strong evidence for safety and anticonvulsant properties of medical marijuana. Principal concerns regarding the use of medical marijuana in children include lack of standardization and regulation, imprecise dosing, possible adverse side effects and medication interactions.

Speaker Biography

Mariana Babayeva is an Associate Professor at Touro College of Pharmacy, New York. In addition to her role at Touro, she is also an Adjunct Professor at Rockefeller University and Visiting Scientist at Arnold and Marie Schwartz School of Pharmacy of LIU. She has over 14 years of experience in clinical practice. She is recognized for her expertise in the pharmacokinetics and the use of animal and organ models. She has conducted several international research projects. She has been published in peer-reviewed journals and serving as an Editorial Board Member of repute.

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