

عنوان مقاله:

Inhibition C1q Proteins: A Way to Control Seizures in Epilepsy Inhibition C1q Proteins

محل انتشار:

سومین همایش بین المللی التهاب سیستم عصبی و سومین فستیوال دانشجویی علوم اعصاب (سال: 1398)

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خلاصه مقاله:

Epilepsy is a kind of chronic neurological disorders characterized by seizures. About 1% of the world's population have epilepsy and almost 80% of cases occur in developing countries. The C1q protein, the initiation protein of classical complement cascade associated with the immune inflammatory response, has been shown to be important in synaptic pruning through actions involving microglia. C1q and other protein supplements concentrate in synaptic regions where synaptic structures become weak or lost due to the activity of phagocytosis by microglia. Studies on rats show significant increase in c1q and its components (C3, ic3b) in epileptic mouse compared and the most increase was observed in the level of ic3b, which was significantly associated with the frequency of seizures. Conclusion: In conclusion, it seems that level of C1q protein increases in seizure disorders, thus we can control the inflammation by inhibition the protein and prevent the progression of disease, however it needs to do more researches on different animal models and human.

کلمات کلیدی:

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