



Vitamin E in ataxia and neurodegenerative diseases: A review

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ABSTRACT

Vitamin E is one of the most important lipid-soluble antioxidants. It is essential for the neurological function but its role in the central nervous system has not fully been elucidated. It is known that tocopherol acts in protecting cell membranes from oxidative damage and it can act as an anti-inflammatory agent, which may also be neuroprotective, as well as regulating specific enzymes. There is growing evidence that oxidative stress plays a key role in the pathophysiology of several neurodegenerative disorders. These diseases are defined by the progressive loss of specific neuronal cell populations and are associated with protein aggregates. We reviewed some aspects related to the role of antioxidant properties of Vitamin E in preventing and/or curing neurodegenerative disorders such as the Alzheimer's disease, Parkinson's disease, amyotrophic lateral sclerosis, ataxia, tardive dyskinesia and Huntington's disease.

KEYWORDS

Vitamin E; Neurodegenerative Diseases; Ataxia with Vitamin E Deficiency

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