

## **A RATIONAL NATURAL APPROACH TO TREATMENT OF ALZHEIMER'S AND OTHER DEMENTIA**

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Dementia of various types, especially Alzheimer's has become increasingly more of a problem as the general population ages, DMSO, would logically be expected to help with all forms of dementia. In the test tube, DMSO causes immature brain cells to mature. It also increased blood flow in the brain.

As a person ages, circulation usually gradually becomes impaired. This can result in a lack of oxygen and nutrients to the brain. With a reduced amount of oxygen and nutrients brain cells can be injured or killed. DMSO can prevent this from happening. DMSO also helps the neurons in the brain to communicate with each other. All of this helps enable the person to retain mental capabilities into advanced age.

This writer had a friend who died at the age of 101. She was a strong advocate of DMSO and had used it regularly for over 30 years. When she was 101 she showed no sign of mental decline. She was an authority on the Bible and had a general intelligence level that was better than the average 30 year old. No one knows how well her mind would have worked without the DMSO, but it is probable that her superior mind at such an advanced age was at least partially due to DMSO.

One of the most important uses of DMSO is in the treatment of patients with Alzheimer's. DMSO has been shown to dissolve amyloids, the proteins that occur in the brain lesions of patients with Alzheimer's. It has now become generally accepted that the beta amyloid protein is involved in the development and progression of Alzheimer's. Large numbers of amyloid plaques and tangles are always present in confirmed cases of Alzheimer's and the extent of this amyloid corresponds closely with the amount of dementia. A thorough description of the amyloid proteins is contained in a 1989 article in Microbiology of Aging.

What causes a normal protein to become amyloidogenic? There are several theories that are possible. One of the most probable is that some form of inflammation could cause damage to a normal protein. Once an abnormal process starts the process can replicate and become more abnormal.

Professor Jeffrey Kelly of Scripps Research Institute has put forth the theory that inflammation could be the start of a process that ultimately leads to Alzheimer's. Normal brain cells can be disrupted as a result of inflammation, and this could cause amyloid beta proteins in the brain to misfold. According to Kelly the inflammation process might occur years before the onset of Alzheimer's and could be caused by a variety of infections.

To test his theory, Kelly and colleagues checked the brains of Alzheimer's victims and found evidence of a substance called atheronals. Atheronals have only recently been discovered and refer to the way ozone reacts with normal metabolites to produce toxic compounds during inflammatory processes taking place in the body.

Kelly and his associates also performed test tube experiments and found that atheronals and lipid oxidation products can greatly accelerate the misfolding of amyloid beta proteins. Kelly admits that it will be difficult to prove his theory, but it is an interesting and realistic idea.

The results of a study involving the use of DMSO in the treatment of patients with Alzheimer's was presented at the Fourth International Conference on Alzheimer's Disease and Related Disorders, In this study 18 patients with probable Alzheimer's were treated with DMSO and tested regularly for nine months.

Great improvements were noted in these patients after only three months of treatment. The improvement was especially noticeable after six months of treatment. Efficacy of treatment was obtained from the results of neurological and neuropsychological testing that showed improvement in memory, concentration, and communication. Disorientation in time and space also decreased greatly.\

Based on the previous examples, it is probable that everyone suffering from Alzheimer's or any other form of dementia should be treated with DMSO. Treatment should be started as soon as major decline is noted in the patient. Improvements is more dramatic with early stage patients. If the condition has been allowed to progress beyond a certain point it can be impossible to reverse the damage. Those that really desire to maintain good mental health into old age should probably be on DMSO before any decline in mental health is noticed.

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