**The effect of honey, royal jelly and propolis on Alzheimer's disease**

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**Statement of Problem:** Alzheimer's disease is the most common cause of dementia. This disease is related to the involvement of the central nervous system and causes disturbances in nervous features such as memory, cognitive defects and behavioral abnormalities. Cognitive abnormalities caused by Alzheimer's are related to extracellular accumulations of amyloid beta plaques and neurofibrillary tangles consisting of intracellular hyper-phosphorylated tau proteins. Due to the lack of successful treatment and prevention of Alzheimer's disease with drugs, extensive efforts have been made to find new alternative ways for prevention, control and treatment this disease. Protective and preventive measures for Alzheimer's disease include social-intellectual activities, use of probiotics and foods containing bioactive molecules.

**Research Purpose:** The purpose of this study is to evaluate scientific reports about the effects of honey, royal jelly and propolis on the power of memory and learning in Alzheimer's patients.

**Research Method:** This study is based on the review of several articles.

**Results and Conclusion**: The evaluation of many scientific documents indicates that honey, royal jelly and propolis as suitable natural products that are produced by bees have short-chain fatty acids, flavonoids, phenolic compounds, antibacterial compounds and other useful compounds that play a role in maintaining human health, regulating immunity and memory. Some of these compounds, have anti-inflammatory, antioxidant properties that improve the memory by exerting positive effects on neurological functions. By treating or preventing some neurological disorders, can improve cognitive processes and cause significant improvement in learning and memory in Alzheimer's patients. Besides anti-inflammatory and antioxidant properties, which all three products produced by honey bees have, royal jelly also has neuroprotective and anti-neurodegenerative properties in Alzheimer's disease. So, it can be more useful in improving the memory in patients with Alzheimer's disease.

**Keywords:** **honey, royal jelly, propolis, Alzheimer's disease.**