Ginkgo Biloba as a New Medication for Resisting Dementia: A New Proposal

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ABSTRACT

Ginkgo biloba has been used in traditional medicine, by which memory in the brain could be improved. In this study, a dementia patient has taken Ginkgo biloba during the time period of a year as a case study. He has taken a pill with 665 mg for a year from 08 November 2018 to 08 November 2019 (Taiwan Standard Time, TST). Later, the brain waves were largely different. However, he could only know his family name, the long term memory (LTM) could show only a small recovery. The treatment outcome has been limited. Focusing on synapses in the brain can be a good way of interpreting the results. For future research, some new medications containing Ginkgo biloba can be devised for keeping a normal converting long-term potentiation (LTP) for healthy persons and for resisting dementia. The new proposal contributes to this study. Ginkgo biloba should be necessary as a pharmaceutical ingredient.

Keywords: Ginkgo biloba; dementia; back propagation errors; Long Term Memory (LTM); synapse; Long-Term Potentiation (LTP).

1. INTRODUCTION

Ginkgo biloba, is known as ginkgo or gingko, which is the only living species in the division Ginkgophyta, all others, has been extinct [1]. It has various uses in traditional medicine and as a source of food [2,3]. Ginkgo biloba could improve memory in the brain [4]. In this case, a dementia
patient has taken Ginkgo biloba during the time period of a year. Each day, he took a pill with 665 mg. Finally, the effects were examined.

2. TEST AND RESULTS

The brain waves of a dementia patient were captured with 10 sec at 8:00 on 08, November, 2018 (Taiwan Standard Time, TST). As stated previously, he took Ginkgo biloba for a year. Then the brain waves of this dementia patient were again captured with 10 sec at 8:00 on 08, November, 2019 (TST). The results were shown in Fig. 1. He could only recall his family name. The treatment outcome showed limited, but better results.

The results showed Ginkgo biloba as a traditional medication that may treat dementia patients. Long term memory (LTM) [5] could be recovered. Focusing on synapses in the brain can be suggested [6]. In the future, some new medications containing Ginkgo biloba can be designed for keeping a normal converting long-term potentiation (LTP) for healthy persons and for resisting dementia. This new proposal should be constructive in this study. It means that Ginkgo biloba is necessary as a pharmaceutical ingredient [7].

The symbol ‘w’ represents the original brain waves of a dementia patient. The legend symbol ‘wr’ represents the brain waves of a dementia patient after taking Ginkgo biloba for one year. The red lines with symbol ‘Difference’ indicate the difference after treatment, which is large.

3. CONCLUSION

A dementia patient was treated with Ginkgo biloba. The patient has taken Ginkgo biloba with a pill of 665mg every day for a year from 08, November, 2018 to 08, November, 2019. The brain waves were largely different after treatment. Some new medications containing Ginkgo biloba can be designed for keeping a normal converting LTP for healthy persons and for resisting dementia.

CONSENT AND ETHICAL APPROVAL

As per university standard guideline participant consent and ethical approval has been collected and preserved by the author.

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COMPETING INTERESTS

Author has declared that no competing interests exist.
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