

I consider this article as below.

This article includes interesting issue about anticholinergic toxicity caused by Herbal Plant using in Turkey. However, I consider that this article missed important issues those should be showed by this case report. I consider that the Author should note these two issues using the manuscript by us. (Hori K, et al. Serum anticholinergic activity: A possible peripheral marker of the anticholinergic burden in the central nervous system in Alzheimer's disease. *Disease Marker*, 3: 1: 2014; Article ID 459013, 6 pages; Hori K, et al.: Why does the progression of Alzheimer's disease accelerate? *Ann Psychiatry Ment Health*, 2: 2014; 1006).

First, this patient is 19 years old. Therefore, his cholinergic system was now developing and was not fully upregulated. Therefore, I speculated that exogenous anticholinergic burden was not ameliorated by the upregulation of cholinergic system, which caused the toxicity of anticholinergic. Moreover, peripheral anticholinergic insert caused anticholinergic toxicity not only in peripheral system but also in central nervous system. I speculate that downregulation of cholinergic system caused hyperactivations of inflammatory system both in peripheral system and central nervous system.

Second, after the arrival on emergency room clinical symptoms kept worsen. This meant that anticholinergic cascade was onset. Therefore, clinical symptoms kept worsen. However, soon after the injection of physostigmine his symptoms was drastically improved and kept well conditions and continuous injection of physostigmine was not needed. Therefore, I speculated that upregulation of cholinergic system cause by the injection of physostigmine might deny the anticholinergic activity. If only competitive action of cholinergic system to anticholinergic activity worked for his symptom recovery, competitive injections of physostigmine had been needed.

These two speculations are compatible with "anticholinergic cascade" we previously commented.

I send these articles with PDF form. Therefore I hope Author adds these two issues using this article.