**Synthetic Cannabinoid Intoxication: A Case Report**

Aslı Açıklöz, Faruk Çiçekci, Cansu Çiftci, Jale Bengi Çelik, Ateş Duman
Department of Anesthesiology and Reanimation, Selcuk University, Konya, Turkey

Introduction: Bonsai "1-naphthalenyl methanone" is a synthetic cannabinoid, the group of drugs that are addictive and popular among children and young people aged 15-30. There is no known specific antidote or treatment. Due to the increasing availability of isomers and derivatives, it is difficult to detect these substances in blood and urine specimens taken from patients.

We present the case of a 22 year old patient which resulted in death after the first use of bonzai.

Case : The patient was found unconscious in his room after using Bonsai. The patient was fitting with generalized contractions. 112 team resuscitated the patient for 8 minutes, intubated, ventilated and transferred the patient to the Emergency Department. Computerized brain tomography showed generalized brain edema. Sedation with midazolam and phenytoin loading was initiated for convulsions. In the ICU Glasgow Coma Scale: 3, pupils were myotic, light reflexes were negative bilaterally. With supportive therapy, therapeutic hypothermia was administered for 48 hours. Drug panel and ethanol levels in urine and blood were negative. The control angiographic brain tomography revealed areas consistent with vasospasm. On the 4th day, central nervous system infection was suspected and lumbar puncture was performed with probable diagnosis of meningitis / encephalopathy due to ongoing seizures. The cell count was normal. There was no reproduction in CSF culture. Diffusion MRI showed brain stem, capsula interna, deep white matter infarct and diffuse hypoxia. On the 10th day, the patient was diagnosed as brain dead. He became a donor for organ transplantation. Patients’ liver and kidneys were harvested.

Conclusion : Even on suspicion symptomatic treatment for synthetic cannabinoid intoxication should be initiated at an early stage even in drug negative cases. It should not be forgotten that persons who are exposed to synthetic cannabinoids are in the risk of death even in the presence of minimal symptoms.

**Keywords:** Synthetic Cannabinoid, Generalized Contractions, Arrest