

P128. THE MOST WIDELY USED SYNTHETIC CANNABINOIDS IN RECENT YEARS

Esra BALCIOGLU¹, Pinar TARGAN²

¹Ankara University, Forensic Science Institute, TÜRKİYE

²British Transport Police, Scientific Support Unit, London UK

In recent years, there has been an increase in use of synthetic cannabinoids. New synthetic cannabinoids are added to existing ones day by day and new synthetic cannabinoids are released to the market named as Spice, Bonsai, K2, Dream, Incense, Green Giant and etc. Moreover, it is also difficult to detect synthetic cannabinoids in routine toxicological testing. In this case, it causes some difficulties to define synthetic cannabinoids and to cope with them. Some expressions such as ‘incense’, ‘not for human consumption’ or ‘natural’ are used on packages offered for sale in order to hide the real contents. Synthetic cannabinoids real THC made sales (tetrahydrocannabinol) in the laboratory to create the effect of synthesized JWH-018 (1-pentyl-3-(1-naphthoyl) indole) is formed by spraying with chemicals, such as plant leaves. Their usage in serious high heart rate (120-150), anxiety attacks, high blood pressure, can cause irreversible toxic effects and even death. In this study, it has been examined the types of synthetic cannabinoids’, routes, the reasons that make vendors and why users choose synthetic cannabinoid, toxic effects on humans, the using situation of USA, UK and in some EU countries. According to the data obtained available on UK, USA, Australia, Netherland, New Zealand, Germany, Portugal, Hungary, Turkey and etc. were found to be used in other countries. The countries that identified substances banned synthetic cannabinoids in the years of 2008, 2009 and 2011. Despite the fact that Turkey has banned synthetic cannabinoids, according to Turkish Statistical Institute (TSI) it was still used by 11-17 age group in Turkey.