An unusual case of recurrent cannabis induced flashbacks

Abstract

Introduction: Flashbacks are sudden, involuntary, and vivid memories of past personal experiences. In many cases, these powerful memories are closely linked with traumatic events. The association of psychedelic drugs such as Lysergic Acid Diethylamide (LSD) or Phenecyclidine (PCP) with flashbacks is well documented. Although the association of Cannabis with flashbacks is well known, such phenomena are not well documented and its pathophysiology still appears elusive.

The topic of Cannabis causing flashback is of clinical interest, as well as its prognosis and treatment. The individual usually re-experiences a visual hallucination or other perceptual disturbance triggered by a familiar smell that can trigger significant memories like in our index case. This was described by Grinspoon & Bakalar as “a transitory recurrence of emotions and perceptions originally experienced while under the influence of a psychedelic drug”. There are only a few case reports of Cannabis induced flashbacks.

We report the case of a 35-year old African American woman with a past medical history of HIV on HAART and history of two admissions for Cannabis induced psychosis. The patient was brought to the Emergency Department by EMS activated by her husband for a psychiatric evaluation after sudden uncontrollable agitation on seeing her husband. She described the normally pleasant perfume of her husband became pungent. The pungent smell was associated with unpleasant past memories. She only recalled preceding event was Cannabis use prior to his arrival home. The triggered memories were associated with a funeral parlor of her 2-year-old sister. The patient stated that she was just 8 years old at that time and had witnessed the death of her sister. She endorsed smoking “a few blunts” one day before the flashbacks started. She described and confirmed an occurrence of similar episodes in the past after marijuana use. She admitted to use Cannabis regularly. On admission her CBC, CMP were in normal limits, ECG was normal and her quick toxicology screen did not reveal any substance. The patient’s symptoms responded very well to a trial of Risperidone 1 mg per oral twice a day. She was discharged with aftercare follow-up and admitted to the long term rehabilitation program.

Discussion

One of the described effects of Cannabis use is the flashback phenomena. Keeler et al., first reported the Cannabis flashback phenomenon, which consists of re-experiencing the various perceptual and cognitive effects of the drug at a much later date even when no longer under its influence. Thomas has suggested that ‘Flashbacks’ or the subsequent partial re-experience of symptoms when drug-free are rarely reported after cannabis use. Although the pharmacokinetics of cannabinoids puts in doubt the existence of drug-free flashback reactions, it was indicated that such experiences may be the result of a continuous or intermittent release of psychoactive component from adipose tissues where they are stored during periods of active usage. The individual usually re-experiences a visual hallucination or other perceptual disturbance triggered by a familiar smell that

References


5. National Institute of Health (NIH); 2015.

6. Keeler MH, Reifler CB, Liptzin MB. Spontaneous recurrence of hallucinogenic symptomatology (‘flashbacks’) while intoxicated with Cannabis. Further studies are needed to supplement current research data available regarding the prevalence, prognosis and treatment of Cannabis induced flashbacks.

This case illustrates the clinical presentation of Cannabis use which might have triggered flashbacks in a young African American woman.

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None.

Conflict of interest

The author declares that there is no conflict of interest.
