

Duration of Neurocognitive Impairment With Medical Cannabis Use

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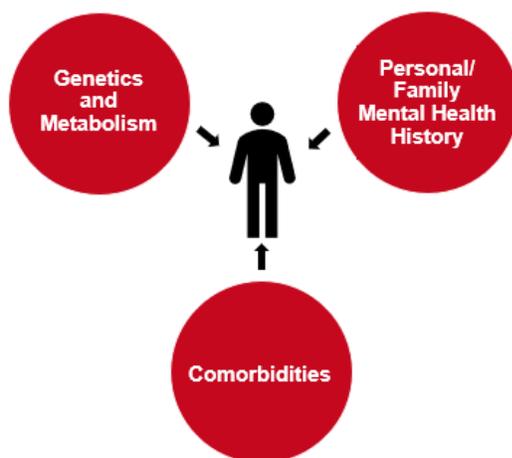
- Currently little consensus on the degree and duration of impairment typically seen with medical marijuana use
- 7 controlled trials were included in the qualitative synthesis: 6 RCTs and 1 observational.
- The goal of this review was to determine the duration of acute neurocognitive impairment associated with medical cannabis use, and to identify differences between medical cannabis patients and recreational users.

Summary of Findings

- Neurocognitive impairment following cannabis inhalation is ≤ 4 hours in medical cannabis patients, independent of their dosing regimen
- Impairment is THC dose-dependent
- Acute impairment was found to be statistically significant in several neurocognitive domains: immediate and delayed verbal recall, processing speed, task switching, visual attention, fine motor coordination, and working memory.

There are several non-modifiable factors that influence the degree and duration of impairment: Additionally, there are modifiable factors that can be optimized to potentially reduce impairment.

Non-Modifiable



Modifiable

