

Methamphetamine

Methamphetamine is a [psychostimulant](#) that was initially synthesized in 1920. Since then it has been used to treat [attention deficit hyperactive disorder](#) (ADHD), [obesity](#) and [narcolepsy](#). However, methamphetamine has also become a major drug of abuse worldwide. Under conditions of abuse, which involve the administration of high repetitive doses, methamphetamine can produce considerable neurotoxic effects.

A logistically more difficult quantitative histopathological study is needed to confirm whether glial changes occur or do not occur in brain of human methamphetamine (and amphetamine) users ¹⁾.

see [Methamphetamine neuroprotection](#)

¹⁾

Tong J, Fitzmaurice P, Furukawa Y, Schmunk GA, Wickham DJ, Ang LC, Sherwin A, McCluskey T, Boileau I, Kish SJ. Is brain gliosis a characteristic of chronic methamphetamine use in the human? Neurobiol Dis. 2014 Jul;67:107-18. doi: 10.1016/j.nbd.2014.03.015. Epub 2014 Apr 2. PubMed PMID: 24704312.

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