

AJFMP Journal Club

Article Title: Neuropathologic Features in Chronic Methamphetamine Use

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- 1 – To what drug class does methamphetamine belong?
- 2 – What are the effects and mechanism of action of methamphetamine?
- 3 – By what mechanisms can methamphetamine cause neurotoxicity?
- 4 – What are some histopathologic markers of cerebrovascular disease?
- 5 – What is the significance of gliosis? How is it diagnosed and what might it indicate if present?
- 6 – How is tau assessed microscopically and what is the significance of increased staining?
- 7 – Why is the presence of hypertensive cardiac disease an important variable to consider when assessing cerebrovascular disease?
- 8 – Why might this study have not shown an increase in cerebrovascular disease associated with methamphetamine use when other studies have shown a relationship?
- 9 – How might neuro-microscopy be useful in assessing chronic methamphetamine deaths?