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Name of Journal: *World Journal of Psychiatry*

Manuscript NO: 64549

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Brain reward circuitry: The overlapping neurobiology of trauma and substance use disorders

Brain Reward Circuitry and the Neurobiology of Trauma

Abstract

Mental health symptoms secondary to trauma exposure and substance use disorders (SUD) co-occur frequently in both clinical and community samples. The possibility of a shared aetiology remains an important question in translational neuroscience. Advancements in genetics, basic science, and neuroimaging have led to an improved understanding of the neural basis of these disorders, their frequent comorbidity and high rates of relapse remain a clinical challenge. This project aimed to conduct a review of the field's current understanding regarding the neural circuitry underlying

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