

Study of The Interaction of Stress and Cocaine C on Cocaine Craving in Cocaine-Dependent Men

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Name some commonly abused drugs:

§ Hallucinogen





§ CNS stimulant







Introduction:

The treatment of cocaine dependence is difficult. As most users cycle between periods of heavy use, detoxification, abstinence, Relapse, and reinitiating of heavy use again.

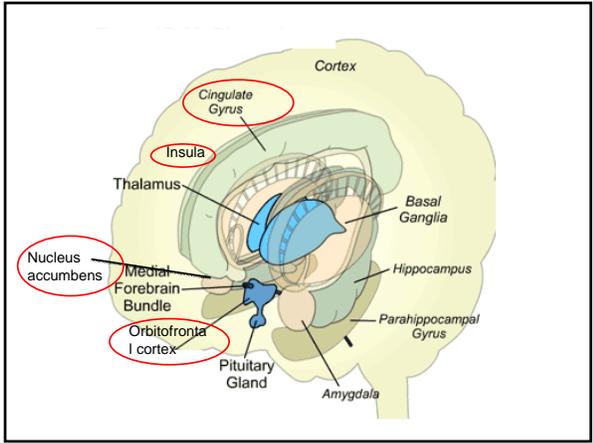
Most often stressful situations and experience of negative emotions are factors leading to relapse.

Recent attempts have emphasized on the role of the reward pathways and drug addiction, in response to acute Stress and ones feeling of negative emotions.



Brain Areas Involved in the Reward Pathway

- Nucleus Accumbens
- Prefrontal cortex
- Orbitofrontal cortex
- Insula
- Anterior and posterior cingulate




Methods

- 10 males with Cocaine dependence in an early stage of drug abstinence.
- Mean age: 43.6 years
- Mean years of use: 15.9 years
- Mean days clean: 8 days
- Mean cost per month: \$ 1,139.00

Experimental Procedures

- fMRI BOLD signals
- Self Rated Cocaine Craving
0 "not at all"
100 "the most I have ever felt"

