

MANUSCRIPT REVIEW BOARD INFORMATION SHEET

MANUSCRIPT TITLE: EFFECTS OF CHRONIC NICOTINE ADMINISTRATION AND ITS TERMINATION ON SCHEDULE-CONTROLLED BEHAVIOR IN RATS

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ABSTRACT

Lever pressing by rats was maintained under a multiple schedule of food presentation. After stable performance was obtained the rats were infused subcutaneously with nicotine (8, 12, or 16 mg/kg/24 hours) for 240 hours. When challenged with mecamylamine, a nicotinic-cholinergic antagonist these animals failed to show disruptions on the scheduled-controlled behavior. These results suggest that chronic nicotine exposure may not result in a physical dependence.

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