

Caffeine's Influence on Nicotine's Effects in Nonsmokers

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Objective: To determine if nicotine's effects are influenced by caffeine in nonsmoking, moderate-caffeine consuming individuals (N=20). **Methods:** The first 3 sessions included one of 3 randomly ordered, double-blind caffeine doses (0, 75, or 150 mg, oral [po]) and 2 single-blind nicotine gum doses (2 and 4 mg) in ascending order. The fourth session (single blind) repeated the 0 mg caffeine condition. **Results:** Nico-

tine increased heart rate and subjective ratings indicative of aversive effects, and decreased reaction times. These effects were independent of caffeine dose and reliable across sessions. **Conclusions:** In nonsmokers, nicotine effects are not influenced by moderate caffeine doses.

Key words: nicotine, caffeine, interaction, subjective effect, cognition

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