

Supplemental Material

Working Memory Deficits Predict Short-term Smoking Resumption Following Brief Abstinence

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This material supplements, but does not replace, the content of the peer-reviewed paper published in Drug and Alcohol Dependence

Neurocognitive Task Descriptions

In the P-CPT, participants are required to respond with a button press whenever lines on the screen form a complete letter. Sixty targets and 120 foils were presented (median completion time 3 min). In the Letter-N-Back task, sequences of letters are displayed and participants are required to respond with a button press to a single target using the following rules: during 1-back trials, participants respond if the letter is identical to the one preceding it, in 2-back trials, they respond if the letter is identical to the one two letters back, etc. As a target detection task, 0-back trials (in which the participant simply responds to each occurrence of a given letter) are also included. Fifteen targets and 30 foils were presented for each of the N-back conditions (0-back – 3-back).