

Supplementary material.**PREDICTING ADHERENCE TO TREATMENT FOR METHAMPHETAMINE DEPENDENCE FROM NEUROPSYCHOLOGICAL AND DRUG USE VARIABLES.**

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

Univariate associations between baseline variables and the number of methamphetamine (MA) abstinent weeks and study completion.

Variable Type	Measure	Weeks Abstinent	Study Completion
Demographics			
Age	ASI	NS	NS
Gender ^a	ASI	NS	NS
Ethnicity ^a	ASI	NS	NS
Years of Education	ASI	NS	NS
Cognitive Performance			
SRT mean reaction time	SRT	NS	NS
CRT mean reaction time	CRT	NS	NS
CRT total errors	CRT	NS	NS
Decision-making speed (mean CRT – mean SRT)	CRT/SRT	NS	NS
1-back mean reaction time	N-Back	NS	NS
1-back total errors	N-Back	NS	t(52) = 2.10*
1-back total trials correct	N-Back	NS	NS
2-back mean reaction time	N-Back	NS	NS
2-back total errors	N-Back	NS	NS
2-back total trials correct	N-Back	NS	NS
Treatment			
Bupropion or placebo administration ^a	---	NS	NS
Treatment site ^a	---	NS	NS
Drug Usage			
Number of MA-free urine screens during baseline	Urine	r = .58***	t(58) = -3.00**
Frequency of initial MA use (freq/infreq) ^{a, b}	Urine	t(58) = 4.61***	$\chi^2 = 12.61$ ***
Drug screen on first baseline day (pos/neg) ^a	Urine	t(58) = 3.29**	$\chi^2 = 4.78$ *
Drug index score	ASI	NS	NS
MA craving	VAS	NS	NS
Days of MA use in the 30 days before baseline	ASI	r = -.27*	NS
Years of MA use	ASI	NS	NS
Money spent on drugs in last 30 days	ASI	NS	NS
Typical route of MA use ^a	ASI	NS	NS
Self-rated severity of MA dependence	CGI	r = -.25*	NS
Experimenter-rated severity of MA dependence	CGI	NS	NS
Degree bothered by drug problems in last 30 days	ASI	NS	NS
Days had problems due to drugs in last 30 days	ASI	NS	NS
Importance of getting treatment for drug abuse	ASI	NS	NS

Number of lifetime drug treatments	ASI	$r = .29^*$	NS
Alcohol Index score	ASI	NS	NS
Days of alcohol use in last 30 days	ASI	NS	NS
Years of alcohol use	ASI	NS	NS
Number of lifetime alcohol treatments	ASI	$r = .37^{**}$	NS
Days treated for drugs/alcohol in last 30 days	ASI	$r = .38^{**}$	NS
Marijuana dependence or abuse (yes/no) ^a	SCID	NS	NS
Days of marijuana use in last 30 days	ASI	NS	NS
Years of marijuana use	ASI	NS	NS
Days of polysubstance use in last 30 days	ASI	NS	NS
Years of polysubstance use	ASI	NS	NS
Cigarettes smoked per day	SUI	NS	NS
Years smoked cigarettes	PI	NS	NS
Nicotine dependence total score	FG	NS	$t(37) = -2.18^*$

Mood/Psychiatric Function

Substance-induced psych disorder (yes/no) ^a	SCID	NS	NS
Psych index score	ASI	NS	NS
Depression Total Score	BDI-2	NS	NS
Obsessive-Compulsive subscale	BSI	NS	NS
Depression subscale	BSI	NS	NS
Anxiety subscale	BSI	NS	NS
Hostility subscale	BSI	NS	NS
Phobic Anxiety subscale	BSI	NS	NS
Paranoid Ideation subscale	BSI	NS	NS
Psychoticism subscale	BSI	NS	NS
Interpersonal sensitivity subscale	BSI	NS	NS
Somatization subscale	BSI	NS	NS
Global Severity Index	BSI	NS	NS
Depressed in last 30 days (yes/no) ^a	ASI	NS	$\chi^2 = 6.57^*$
Significant depression in lifetime (yes/no) ^a	ASI	NS	$\chi^2 = 8.93^{**}$
Anxiety in last 30 days (yes/no) ^a	ASI	NS	NS
Significant anxiety in lifetime (yes/no) ^a	ASI	NS	NS
Number of lifetime inpatient psych treatments	ASI	NS	NS
Number of lifetime outpatient psych treatments	ASI	NS	NS
Problem with violence/rage last 30 days (yes/no) ^a	ASI	NS	NS
Problem with violence/rage in lifetime (yes/no) ^a	ASI	NS	NS
Days with psychological problems in last 30 days	ASI	NS	NS
Thoughts of suicide in last 30 days (yes/no) ^a	ASI	NS	NS
Serious thoughts of suicide in lifetime (yes/no) ^a	ASI	NS	NS
Importance of receiving psych treatment now	ASI	NS	NS

Employment/Functional Status

Global Assessment of Function (GAF; Axis V)	SCID	NS	NS
Employment index score	ASI	NS	NS
Longest full-time job in years	ASI	NS	NS
Typical employment (e.g., full-time, part-time) ^a	ASI	NS	NS
Typical job category (e.g., executive, student) ^a	ASI	NS	NS
Days paid for work in last 30 days	ASI	NS	NS
Net pay earned in last 30 days	ASI	NS	NS

Welfare money received in last 30 days	ASI	NS	NS
Illegal income received in last 30 days	ASI	NS	NS
Days with employment problems in last 30 days	ASI	NS	NS
Function limited in school or work (yes/no) ^a	QWB	NS	NS
Function limited in hobbies or recreation (yes/no) ^a	QWB	NS	NS
Legal Status			
Legal index score	ASI	NS	t(58) = 2.37*
Currently on probation or parole (yes/no) ^a	ASI	NS	NS
Number of lifetime drug-related charges	ASI	NS	NS
Number of lifetime convictions	ASI	NS	NS
Number of months incarcerated in lifetime	ASI	NS	NS
Days profit by illegal means in last 30 days	ASI	NS	NS
Social Context			
Family/social index score	ASI	NS	NS
Live with someone with alcohol problem (yes/no) ^a	ASI	t(57) = 3.25*	NS
Live with someone who uses drugs (yes/no) ^a	ASI	NS	NS
Physically abused in last 30 days (yes/no) ^a	ASI	NS	NS
Physically abused in lifetime (yes/no) ^a	ASI	NS	NS
Sexually abused in last 30 days (yes/no) ^a	ASI	NS	NS
Sexually abused in lifetime (yes/no) ^a	ASI	NS	NS
Days of conflicts with family in last 30 days	ASI	NS	NS
Days of conflicts with non-family in last 30 days	ASI	NS	t(58) = 2.40*
How bothered by family problems in last 30 days	ASI	NS	NS
How bothered by social problems in last 30 days	ASI	NS	NS
Medical Status			
Medical index score	ASI	NS	NS
Days with medical problems in last 30 days	ASI	NS	NS
HIV+ (yes/no) ^a	PI	NS	NS
Hepatitis + (yes/no) ^a	PI	NS	NS
Rating of current health from 0 to 100	QWB	NS	NS
Rating of current health compared to last year	QWB	NS	NS

Note: ASI = Addiction Severity Index—Lite; SRT = Simple Reaction Time; CRT = Choice Reaction Time; Urine = urinalysis for methamphetamine; VAS = Visual Analog Scale; CGI = Clinical Global Impression; SCID = Structured Clinical Interview for the DSM-IV-TR; SUI = Substance Use Inventory; PI = Physician Interview; FG = Fagerstrom Test of Nicotine Dependence; BDI-2 = Beck Depression Inventory-2; BSI = Brief Symptom Inventory; QWB = Quality of Well-Being—Self Administration Version.

^a Denotes a categorical scale of measurement. All other variables were on a continuous scale.

^b Frequency of initial MA use: *Infrequent*: ≤ 2 positive MA urines during first two study weeks (i.e., baseline). *Frequent*: > 2 positive tests.

NS = Nonsignificant $p > .05$

r = Pearson correlation

t = independent samples t-test

χ^2 = chi-square test

* $p < .05$ uncorrected

** $p < .01$ uncorrected

*** $p < .001$ uncorrected