

THE OFFICIAL JOURNAL OF THE AMERICAN SOCIETY OF CLINICAL PSYCHOPHARMACOLOGY

Supplementary Material

- Article Title: Treatment to Enhance Cognition in Bipolar Disorder (TREC-BD): Efficacy of a Randomized Controlled Trial of Cognitive Remediation Versus Active Control
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- **DOI Number:** 10.4088/JCP.17m11476

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Game	Description	Cognitive Domain
Test Driver	Identify sound "sweeps" as going up or down in frequency; stimuli are presented in decreasing duration	Basic auditory processing
Navigator	Discriminate between the target and a similar phoneme	Auditory discrimination
Audio Mash-Up	Listen to a string of syllables and click on each syllable in the presented order;	Auditory sequencing
Coffee Break	Match pairs of syllables by remembering the location of sounds;	Auditory Processing
Stage-Crew	Listen to a string of commands (in or out of sequence) and click icons in the correct order	Auditory Working Memory
Brain Blog	Listen to "conversations" and answer multiple-choice questions about the details	Auditory Memory
Speed Trap	Two stimuli appear - one in a central area and one in the periphery. Users must identify which stimuli appeared in the center and indicate the region in which the peripheral stimulus appears;	Visual attention and memory
Pet Wrangler	Follow multiple hamsters, avoid distractors, and identify where the hamsters end up	Visual divided attention
Casting Call	Observe an emotion face and match the affect to an array of different faces displaying emotions	Affect recognition
Online Shopper	Note a target category; attend to a stream of visually presented stimuli and indicate whether or not each stimulus belongs to the category	Executive function
Trader Blitz	Observe an auditory and a visual stimulus and respond only if the stimuli match	Executive function
Stock Trader	Attend to two streams of visually presented stimuli in a continuous performance format and respond if the stimulus matches the target	Executive function and sustained attention

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Item ^a	Treatment (n=19)	Control (n=10)
	Mean (sd)	Mean (sd)
1. I had fun doing the	3.2 (1.0)	3.6 (0.5) ^{ns}
computer activities.		
2. I felt that the computer	3.9 (0.8)	3.4 (0.8) ^{ns}
activities were too difficult. ^b		
3. Compared to other	3.4 (1.1)	4.0 (0.8) ^{ns}
treatment and activities, I		
enjoyed the computer		
activities.		
4. Compared to other	3.9 (0.7)	4.3 (0.7) ^{ns}
treatment and activities, this		
program was stressful. ^b		
5. Compared to other	3.3 (1.0)	4.0 (0.8) ^{ns}
treatment and activities, I		
looked forward to attending		
the sessions.		
6. After the sessions, I felt like	3.7 (1.2)	4.0 (0.9) ^{ns}
I had accomplished		
something.		
7. After the sessions, I felt	3.8 (1.0)	4.1 (0.9) ^{ns}
good about myself.		
8. After the sessions, I felt	3.5 (0.7)	3.5 (0.5) ^{ns}
anxious or tense. ^b		
9. I do not feel that the	2.8 (1.2)	2.5 (1.0) ^{ns}
sessions helped me. ^b		
10. I wanted to attend my	3.7 (0.9)	4.3 (0.7) ^{ns}
scheduled sessions.		
11. I am glad that I	4.2 (1.1)	4.6 (0.5) ^{ns}
participated in the computer		
sessions.		
12. I would continue to do the	3.3 (1.2)	3.2 (1.0) ^{ns}
computer activities if they		
were available.		
13. I would recommend this	3.9 (1.1)	3.7 (1.1) ^{ns}
treatment to others.		
TOTAL	47.1 (8.9)	49.0 (7.3) ^{ns}
a 5-Always: A-Mostly: 3-Sometimes: 2-		

SUPPLEMENTARY eTABLE 2. Feedback Survey Responses by Group

^a5=Always; 4=Mostly; 3=Sometimes; 2=Rarely; 1=Never

^b Items were reversed-scored; higher scores indicate more favorable response (e.g. less stress)



SUPPLEMENTARY eFIGURE 1. MCCB Cognitive Performance Across Time by Group

and durability. All available data were included at each assessment time.