



Figure 1. CONSORT (Consolidated Standards of Reporting Trials) flowchart of the screening and enrollment of study participants who were randomly assigned to anodal prefrontal stimulation or a sham control group.

Table 1. Comparison of participants included and excluded in statistical analyses^a

Characteristic	Included (<i>n</i> = 81)	Excluded (<i>n</i> = 3)	Statistic	<i>p</i> value
Demographic variables				
Sex				
Female	45	1	$\chi^2 = 0.58$	0.45
Male	36	2		
Age	20.21 years (3.31 years)	20.00 years (1.73 years)	$t = 0.11$	0.91
Race				
Caucasian	36	1	$\chi^2 = 0.15$	0.70
Non-Caucasian	45	2		
Baseline measures				
Grade point average ^b	3.59 (0.77)	3.66 (0.29)	$t = -0.17$	0.87
Social adversity	1.10 (1.48)	1.00 (1.00)	$t = 0.11$	0.91
Variety of offending	16.85 (6.21)	15.00 (5.00)	$t = 0.51$	0.61
Baseline aggression	9.37 (4.72)	10.33 (2.08)	$t = -0.35$	0.73
Psychopathy	23.17 (12.20)	23.00 (13.75)	$t = 0.02$	0.98
Lack of premeditation	1.61 (0.49)	1.92 (0.14)	$t = -1.08$	0.28
Sensation-seeking	2.89 (0.64)	2.58 (0.52)	$t = 0.80$	0.42
Anxiety	38.60 (8.86)	45.67 (13.05)	$t = -1.34$	0.19
Self-control	36.26 (6.95)	37.00 (1.73)	$t = -0.18$	0.86
Outcome variables				
Aggressive intent	2.26 (3.56)	1.33 (0.58)	$t = 0.45$	0.66
Aggression (voodoo doll task)	3.91 (10.29)	3.33 (5.77)	$t = 0.10$	0.92
Moral wrongfulness	15.20 (3.48)	16.33 (3.51)	$t = -0.56$	0.58

^aData for continuous variables are presented as mean (SD), with comparisons conducted using independent samples *t* tests or χ^2 tests as appropriate.

^bFor eight individuals whose grade point averages were missing, mean imputation was conducted. Missing values were replaced with the mean of the observed data as suggested in Kahan et al. (2014).

Table 2. Baseline characteristics by treatment arm^a

Characteristic	tDCS group (n = 39)	Sham group (n = 42)	Statistic ^b	p value
Sex				
Female	24	21	$\chi^2 = 1.09$	0.30
Male	15	21		
Age	20.26 years (4.13 years)	20.17 years (2.36 years)	$t = -0.12$	0.90
Race				
Caucasian	17	19	$\chi^2 = 0.02$	0.88
Non-Caucasian	22	23		
Grade point average ^c	3.55 (0.27)	3.47 (0.33)	$t = -1.18$	0.24
Social adversity	0.72 (1.15)	1.45 (1.67)	$t = 2.32$	0.02
Variety of offending	17.36 (6.25)	16.38 (6.22)	$t = -0.71$	0.48
Aggression	9.92 (4.97)	8.86 (4.48)	$t = -1.02$	0.31
Psychopathy	23.33 (11.85)	23.02 (12.65)	$t = -0.11$	0.91
Lack of premeditation	1.59 (0.49)	1.63 (0.49)	$t = 0.38$	0.71
Sensation-seeking	2.89 (0.65)	2.88 (0.65)	$t = -0.07$	0.94
Anxiety	38.79 (8.53)	38.43 (9.25)	$t = -0.19$	0.85
Self-control	37.05 (6.69)	35.52 (7.18)	$t = -0.99$	0.33

^aData for continuous variables are presented as mean (SD).

^bDifferences in baseline scores were compared using two-tailed independent *t* test and χ^2 tests.

^cFor eight individuals whose grade point averages were missing, mean imputation was conducted. Missing values were replaced with the mean of the observed data as suggested in Kahan et al. (2014).

studies (Brunoni et al., 2012), reported side effects included itchiness (85.2%), lightheadedness (40.7%), pain (46.9%), burning (49.4%), warmth (51.2%), pinching (45.7%), iron taste (7.4%), and fatigue of light-to-moderate intensity (35.0%). No participants withdrew due to these minor events.