

2022-08

The Effects of Transcranial Direct-Current Stimulation on Motor Learning, Motor Maps, and Functional Networks in Children

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Giuffre, A. (2022). The effects of transcranial direct-current stimulation on motor learning, motor maps, and functional networks in children (Doctoral thesis, University of Calgary, Calgary, Canada). Retrieved from <https://prism.ucalgary.ca>.

<http://hdl.handle.net/1880/115153>

Downloaded from PRISM Repository, University of Calgary

Appendix E: Pediatric tDCS Safety and Tolerability Questionnaire

AMPED

Study ID:

Baseline Day 1 Day 2 Day 3 Day 4 Day 5 6week

Pediatric tDCS Tolerability Evaluation

Date: _____

Study Day ()

Did you experience any of the following at your tDCS session today:

				Duration		
Headaches	Mild	Mod	Severe	<input type="checkbox"/> <2min	<input type="checkbox"/> >2min	<input type="checkbox"/> Entire time
Neck pain	Mild	Mod	Severe	<input type="checkbox"/> <2min	<input type="checkbox"/> >2min	<input type="checkbox"/> Entire time
Unpleasant Tingling	Mild	Mod	Severe	<input type="checkbox"/> <2min	<input type="checkbox"/> >2min	<input type="checkbox"/> Entire time
Itching	Mild	Mod	Severe	<input type="checkbox"/> <2min	<input type="checkbox"/> >2min	<input type="checkbox"/> Entire time
Burning	Mild	Mod	Severe	<input type="checkbox"/> <2min	<input type="checkbox"/> >2min	<input type="checkbox"/> Entire time
Fatigue	Mild	Mod	Severe	<input type="checkbox"/> <2min	<input type="checkbox"/> >2min	<input type="checkbox"/> Entire time
Nausea	Mild	Mod	Severe	<input type="checkbox"/> <2min	<input type="checkbox"/> >2min	<input type="checkbox"/> Entire time
Lightheaded / Faint	Mild	Mod	Severe	<input type="checkbox"/> <2min	<input type="checkbox"/> >2min	<input type="checkbox"/> Entire time

If you answered yes to any of these, please provide details including whether you have experienced this before, how long it lasted, any medicine taken, etc.

Please describe any other unpleasant features of your tDCS experience:

Please order the following experiences from the most pleasant or enjoyable (#1) to the most unpleasant or unenjoyable (#8).



_____ Brussel sprouts



_____ Pizza



_____ Chicken

Now do the same for the following experiences except there are 8 choices so you need to use each number between 1 and 8:

- _____ Play a game
- _____ Go to the dentist
- _____ Watch TV
- _____ Throw-up
- _____ **Your tDCS session today**
- _____ Birthday party
- _____ Long car ride
- _____ Getting a shot at the doctor

*Adapted with permission from Garvey et al, *J Child Neurol* 2001; 16:891-94; Updated 2010/08/23.

What type of tDCS do you think you received?

Real Sham No Idea, if you have no idea but I made you pick, which do you think

Real Sham and why? _____

*Adapted with permission from Garvey et al, *J Child Neurol* 2001; 16:891-94; Updated 2010/08/23.

Table 1. Rank Order of 8 Experiences by ADHD (n = 20) and Normal Control (n = 20) Girls and Boys

Rank	ADHD Boys (n = 12)	ADHD Girls (n = 8)	NC Boys (n = 9)	NC Girls (n = 11)
1st	Watch television	Birthday party	Birthday party	Birthday party
2nd	Birthday party	Play a game	Play a game	Play a game
3rd	Play a game	TMS	Watch TV	TMS
4th	TMS	Watch TV	TMS	Watch TV
5th	Long car ride	Long car ride	Long car ride	Long car ride
6th	Throwing up	Go to dentist	Go to dentist	Go to dentist
7th	Go to dentist	Shot at doctor's	Throwing up	Shot at doctor's
8th	Shot at doctor's	Throwing up	Shot at doctor's	Throwing up

ADHD = attention-deficit hyperactivity disorder; NC = normal control; TMS = transcranial magnetic stimulation.