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# 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*



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 TMS 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.

**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.