The Healthy Brain Network Serial Scanning Initiative, Session 8 Version 2

David O'Connor, Natan Vega Potler, Meagan Kovacs,Ting Xu, Lei Ai, John Pellman, Tamara Vanderwal, Lucas Parra, Samantha Cohen, Satrajit Ghosh, Jasmine Escalera, Natalie Grant-Villegas, Yael Osman, Anastasia Bui, R Cameron Craddock, Michael P Milham

Abstract

This protocol describes MRI and ADHD Quotient Test for Session 8 of the following work:

David O'Connor, et. al. (2017) The Healthy Brain Network Serial Scanning Initiative. *GigaScience...*

Before start

Participant offered use of restroom, preganancy test administered to female participants if they are of childbearing age, and consent is acquired

Protocol

Pre-Scan

Step 1.
Participant is scanned for magnetic materials, asked to change into scrubs if necessary, and enters the MRI machine

> **⊕ NOTES**
> **David O'Connor** 11 Jan 2017
>
> **Before Start:** Participant offered use of restroom, preganancy test administered to female participants if they are of childbearing age, and consent is acquired

Sc

Step 2.
Localizer

Scan
Step 3.

Head Motion training - participant is scanned using an fmri sequence, and presented with visual feedback based on the amount their head moves.

Scan
Step 4.
Localizer

Scan
Step 5.

Raiders of the Lost Ark - Participants viewed the movie 'Raiders of the Lost Ark' while being scanned with an fmri sequence specified online (http://fcon_1000.projects.nitrc.org/indi/hbn_ssi/index.html)

Scan
Step 6.
HCP Task - particpant was scanned with fmri sequence while performing one of seven tasks used in the Human Connectome project
(http://www.humanconnectome.org/documentation/Q1/task-fMRI-protocol-details.html)

Post-Scan
Step 7.
Removed from Scanner

Post-Scan
Step 8.
Quotient - Quotient is a computer based task designed to assess three core symptoms of ADHD: hyperactivity, attention and impulsivity. Participants respond to stimuli presented with random timing

and random placement on a screen. Completion of the task takes up to 30 minutes.

➕ NOTES

David O'Connor 11 Jan 2017

DUA required for this data