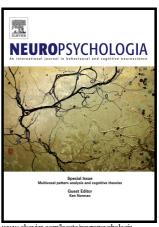
Author's Accepted Manuscript

Intrinsic functional connectivity predicts individual differences in distractibility

Victoria N. Poole, Meghan E. Robinson, Omar Singleton, Joseph DeGutis, William P. Milberg, Regina E. McGlinchey, David H. Salat, Michael Esterman



www.elsevier.com/locate/neuropsychologia

PII: S0028-3932(16)30139-7

http://dx.doi.org/10.1016/j.neuropsychologia.2016.04.023 DOI:

NSY5970 Reference:

To appear in: Neuropsychologia

Received date: 20 November 2015 Revised date: 17 March 2016 Accepted date: 25 April 2016

Cite this article as: Victoria N. Poole, Meghan E. Robinson, Omar Singleton Joseph DeGutis, William P. Milberg, Regina E. McGlinchey, David H. Salat and Michael Esterman, Intrinsic functional connectivity predicts individua differences distractibility, Neuropsychologia in http://dx.doi.org/10.1016/j.neuropsychologia.2016.04.023

This is a PDF file of an unedited manuscript that has been accepted fo publication. As a service to our customers we are providing this early version o the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting galley proof before it is published in its final citable form Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain

ACCEPTED MANUSCRIPT

Intrinsic functional connectivity predicts individual differences in distractibility

Victoria N. Poole^{1,2,3,4,5*}, Meghan E. Robinson^{1,4,6}, Omar Singleton⁵, Joseph DeGutis^{1,3,5}, William P. Milberg^{1,3,7}, Regina E. McGlinchey^{1,3,7}, David H. Salat^{1,4,8}, Michael Esterman^{1,4,5,9}

¹Translational Research Center for TBI and Stress Disorders (TRACTS), VA RR&D TBI Center of Excellence, VA Boston Healthcare System, Boston, MA

²Division of Gerontology, Beth Israel Deaconess Medical Center, Boston, MA

³Harvard Medical School, Boston, MA

⁴Neuroimaging Research Center for Veterans Center (NeRVe), VA Boston Healthcare System, Boston, MA

⁵Boston Attention and Learning Lab (BAL|LAB), VA Boston Healthcare System, Boston, MA

⁶Department of Neurology, Boston University School of Medicine, Boston, MA

⁷Geriatric Research, Education, and Clinical Center, (GRECC), VA Boston Healthcare System, Boston, MA

⁸A. A. Martinos Center for Biomedical Imaging, Charlestown, MA

⁹Department of Psychiatry, Boston University School of Medicine, Boston, MA

*Corresponding author. VA Boston Healthcare System, 150 S Huntington Ave Boston, MA 02130 Tel: (708) 539-5788. vpoole@bidmc.harvard.edu

Abstract

Distractor suppression, the ability to filter and ignore task-irrelevant information, is critical to efficient task performance. While successful distractor suppression relies on a balance of activity in neural networks responsible for attention maintenance (dorsal attention network; DAN), reorientation (ventral attention network; VAN), and internal thought (default mode network, DMN), the degree to which intrinsic connectivity within and between these networks contributes to individual differences in distractor suppression ability is not well-characterized. For the purposes of understanding these interactions, the

Download English Version:

https://daneshyari.com/en/article/7319089

Download Persian Version:

https://daneshyari.com/article/7319089

<u>Daneshyari.com</u>