Accepted Manuscript

Short- and long-term reliability of language fMRI

Charlotte Nettekoven, Nicola Reck, Roland Goldbrunner, Christian Grefkes, Carolin Weiß Lucas

PII: S1053-8119(18)30360-4

DOI: 10.1016/j.neuroimage.2018.04.050

Reference: YNIMG 14897

To appear in: NeuroImage

Received Date: 19 October 2017

Revised Date: 23 March 2018

Accepted Date: 22 April 2018

Please cite this article as: Nettekoven, C., Reck, N., Goldbrunner, R., Grefkes, C., Weiß Lucas, C., Short- and long-term reliability of language fMRI, *NeuroImage* (2018), doi: 10.1016/j.neuroimage.2018.04.050.

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final 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.



Short- and long-term reliability of language fMRI

NETTEKOVEN Charlotte^{1,2*}, RECK Nicola^{1*}, GOLDBRUNNER Roland¹, GREFKES Christian^{2,3},

WEIß LUCAS Carolin¹

*These authors contributed equally to the manuscript (shared first authorship)

AFFILIATIONS

1. Department of General Neurosurgery, Cologne University Hospital, 50924 Cologne, Germany

- 2. Department of Neurology, Cologne University Hospital, 50924 Cologne, Germany
- 3. Institute of Neuroscience and Medicine (INM-3), Juelich Research Centre, 52428 Juelich, Germany

CORRESPONDING AUTHOR

Name: Carolin Weiß Lucas, MD Address: Department of General Neurosurgery

Uniklinik Koeln

Kerpener Straße 62

50924 Koeln, Germany

Telephone Number: +49 (0)221 478 88937

 ${\sf Email: carolin.weiss-lucas@uk-koeln.de}$

ABBREVIATIONS: ANOVA – analysis of variance, BA – Brodmann area, BOLD – blood-oxygen level dependent, CoG – center of gravity, ED – Euclidean distance, EPI – echo planar imaging, FDR – false discovery rate, fMRI – functional magnetic resonance imaging, FOV – field of view, FWE – family wise error, GLM – general linear model, ICC – intraclass correlation coefficient, IFG – inferior frontal gyrus, LI – laterality index, M1 – primary motor cortex, ROI – region of interest, STG – superior temporal gyrus, TA – time of acquisition, TE – echo time, TR - repetition time

Download English Version:

https://daneshyari.com/en/article/8686827

Download Persian Version:

https://daneshyari.com/article/8686827

Daneshyari.com