Altered praxis network underlying limb kinetic apraxia in Parkinson's disease - an fMRI study

Stefanie Kübel, Katharina Stegmayer, Tim Vanbellingen, Manuela Pastore-Wapp, Manuel Bertschi, Jean-Marc Burgunder, Eugenio Abela, Bruno Weder, Sebastian Walther, Stephan Bohlhalter

PII: S2213-1582(17)30173-0
DOI: doi: 10.1016/j.nicl.2017.07.007
Reference: YNICL 1082

To appear in: *NeuroImage: Clinical*

Received date: 15 March 2017
Revised date: 19 June 2017
Accepted date: 12 July 2017

Please cite this article as: Stefanie Kübel, Katharina Stegmayer, Tim Vanbellingen, Manuela Pastore-Wapp, Manuel Bertschi, Jean-Marc Burgunder, Eugenio Abela, Bruno Weder, Sebastian Walther, Stephan Bohlhalter , Altered praxis network underlying limb kinetic apraxia in Parkinson's disease - an fMRI study, *NeuroImage: Clinical* (2017), doi: 10.1016/j.nicl.2017.07.007

Altered praxis network underlying limb kinetic apraxia in Parkinson's disease - an fMRI study

Authors: Stefanie Kübel[a†], Katharina Stegmayer[b†], Tim Vanbellingen[a, c], Manuela Pastore-Wapp[f], Manuel Bertschi[d], Jean-Marc Burgunder[e], Eugenio Abela[f,g], Bruno Weder[f], Sebastian Walther[b], Stephan Bohlhalter[a]

[a] Neurocenter, Luzerner Kantonsspital, Spitalstrasse 31,6000 Luzern 16, Switzerland
[b]University Hospital of Psychiatry, Bolligenstrasse 111, 3000 Bern 60, Switzerland
[c]Gerontechnology and Rehabilitation Group, University of Bern, Murtenstrasse 50
3008 Bern, Switzerland
[d]Department of Neurology, Kantonsspital Aarau, Tellstrasse 25 5001 Aarau, Switzerland
[e]Departement of Neurology, Inselspital, 3010 Bern, University Hospital, University of Bern, Switzerland
[f]Support Center for Advanced Neuroimaging (SCAN), Inselspital, 3012 Bern University Hospital, University of Bern, Switzerland
[g]Department of Basic and Clinical Neuroscience, Institute of Psychiatry, Psychology and Neuroscience (IoPPN), King's College London, Camberwell, SE5 9RX, London, UK

[†] Authors contributed equally

Contact information of corresponding author:
Prof. Dr. Stephan Bohlhalter
Neurocenter
Luzerner Kantonsspital
Spitalstrasse 31
6000 Luzern 16
Telephone: +41 (0)412052442
Email: Stephan.Bohlhalter@luks.ch
Telefacsimile: +41 (0)412052441

Keywords: coin rotation; dexterity; executive control; functional connectivity; hippocampus