### **Accepted Manuscript**

Neural Correlates Of Minor Hallucinations In Non-Demented Patients With Parkinson's Disease

Javier Pagonabarraga, MD, PhD Carles Soriano-Mas, BSc, PhD Gisela Llebaria, BSc Marina López-Solà, BSc, PhD Jesús Pujol, MD, PhD Jaime Kulisevsky, MD, PhD

PII: \$1353-8020(13)00417-3

DOI: 10.1016/j.parkreldis.2013.11.017

Reference: PRD 2208

To appear in: Parkinsonism and Related Disorders

Received Date: 21 May 2013

Revised Date: 4 November 2013 Accepted Date: 27 November 2013

Please cite this article as: Pagonabarraga J, Soriano-Mas C, Llebaria G, López-Solà M, Pujol J, Kulisevsky J, Neural Correlates Of Minor Hallucinations In Non-Demented Patients With Parkinson's Disease, *Parkinsonism and Related Disorders* (2014), doi: 10.1016/j.parkreldis.2013.11.017.

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.



### **ACCEPTED MANUSCRIPT**

## NEURAL CORRELATES OF MINOR HALLUCINATIONS IN NON-DEMENTED PATIENTS WITH PARKINSON'S DISEASE

Javier Pagonabarraga<sup>1,3</sup> MD, PhD, Carles Soriano-Mas<sup>2,4,5</sup> BSc, PhD, Gisela Llebaria<sup>1,3</sup> BSc, Marina López-Solà<sup>2</sup> BSc, PhD, Jesús Pujol<sup>2</sup> MD, PhD, and Jaime Kulisevsky<sup>1,3</sup> MD, PhD\*.

<sup>1</sup>Movement Disorders Unit, Neurology Department, Sant Pau Hospital, Instituto de Investigaciones Biomédicas – Sant Pau (IIB-Sant Pau), Autonomous University of Barcelona

<sup>2</sup> CRC Hospital del Mar, Barcelona, Spain

<sup>3</sup>Centro de Investigación Biomédica en Red sobre Enfermedades Neurodegenerativas (CIBERNED), Spain

<sup>4</sup>Department of Psychiatry, Bellvitge University Hospital-IDIBELL, Barcelona, Spain

<sup>5</sup>Centro de Investigación Biomédica en Red de Salud Mental (CIBERSAM), Spain

Article type: Paper.

Running title: Structural changes of minor hallucinations in Parkinson's disease.

Word count: 3111

Figures: 3.

Tables: 2

**Supplemental information:** 1.

**Key words:** Hallucinations, Parkinson's disease, voxel-based morphometry, MRI, precuneus, visual processing.

\*Corresponding Author:

Jaime Kulisevsky

Movement Disorders Unit, Neurology Department, Sant Pau Hospital

### Download English Version:

# https://daneshyari.com/en/article/10745405

Download Persian Version:

https://daneshyari.com/article/10745405

<u>Daneshyari.com</u>