

# Accepted Manuscript

Nocebo-induced modulation of cerebral itch processing – An fMRI study

Missanga F. van de Sand, Mareike M. Menz, Christian Sprenger, Christian Büchel



PII: S1053-8119(17)30890-X

DOI: [10.1016/j.neuroimage.2017.10.056](https://doi.org/10.1016/j.neuroimage.2017.10.056)

Reference: YNIMG 14434

To appear in: *NeuroImage*

Received Date: 9 June 2017

Accepted Date: 25 October 2017

Please cite this article as: van de Sand, M.F., Menz, M.M., Sprenger, C., Büchel, C., Nocebo-induced modulation of cerebral itch processing – An fMRI study, *NeuroImage* (2017), doi: 10.1016/j.neuroimage.2017.10.056.

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.

**Title:**

Nocebo-induced modulation of cerebral itch processing – an fMRI study

**Short title:**

Nocebo effects on neural itch correlates

**Authors:**

Missanga F. van de Sand<sup>1</sup>, Mareike M. Menz<sup>1</sup>, Christian Sprenger<sup>1</sup>, Christian Büchel<sup>1</sup>

<sup>1</sup>Department of Systems Neuroscience, University Medical Center Hamburg-Eppendorf, 20246 Hamburg, Germany

**Corresponding authors:**

Christian Büchel, Department of Systems Neuroscience, University Medical Center Hamburg-Eppendorf, 20246 Hamburg, Germany; mail: [buechel@uke.uni-hamburg.de](mailto:buechel@uke.uni-hamburg.de)

Missanga van de Sand, Department of Systems Neuroscience, University Medical Center Hamburg-Eppendorf, 20246 Hamburg, Germany; mail: [missanga.sand@studium.uni-hamburg.de](mailto:missanga.sand@studium.uni-hamburg.de)

Number of pages: 41

Number of figures: 5

Number of tables: 2 (+1 in supplementary material)

Number of words for abstract: 247

Number of words for Introduction: 519

Number of words for discussion: 1590

**Conflict of interest statement:** The authors declare no competing financial interests.

Download English Version:

<https://daneshyari.com/en/article/8687354>

Download Persian Version:

<https://daneshyari.com/article/8687354>

[Daneshyari.com](https://daneshyari.com)