## Accepted Manuscript

Simulation of spreading depolarization trajectories in cerebral cortex: Correlation of velocity and susceptibility in patients with aneurysmal subarachnoid hemorrhage

Denny Milakara, Cristian Grozea, Markus Dahlem, Sebastian Major, Maren K.L. Winkler, Janos Lückl, Michael Scheel, Vasilis Kola, Karl Schoknecht, Svetlana Lublinsky, Alon Friedman, Peter Martus, Jed A. Hartings, Johannes Woitzik, Jens P. Dreier



PII: S2213-1582(17)30220-6

DOI: doi: 10.1016/j.nicl.2017.09.005

Reference: YNICL 1129

To appear in: NeuroImage: Clinical

Received date: 20 May 2017 Revised date: 23 August 2017 Accepted date: 5 September 2017

Please cite this article as: Denny Milakara, Cristian Grozea, Markus Dahlem, Sebastian Major, Maren K.L. Winkler, Janos Lückl, Michael Scheel, Vasilis Kola, Karl Schoknecht, Svetlana Lublinsky, Alon Friedman, Peter Martus, Jed A. Hartings, Johannes Woitzik, Jens P. Dreier, Simulation of spreading depolarization trajectories in cerebral cortex: Correlation of velocity and susceptibility in patients with aneurysmal subarachnoid hemorrhage, *NeuroImage: Clinical* (2017), doi: 10.1016/j.nicl.2017.09.005

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**

1

Simulation of spreading depolarization trajectories in cerebral cortex: correlation of velocity and susceptibility in patients with aneurysmal subarachnoid hemorrhage

Denny Milakara<sup>1</sup>, Cristian Grozea<sup>2</sup>, Markus Dahlem<sup>3</sup>, Sebastian Major<sup>1,4,5</sup>, Maren K.L. Winkler<sup>1</sup>, Janos Lückl<sup>1</sup>, Michael Scheel<sup>6</sup>, Vasilis Kola<sup>1</sup>, Karl Schoknecht<sup>1,5</sup>, Svetlana Lublinsky<sup>7</sup>, Alon Friedman<sup>7,8</sup>, Peter Martus<sup>9</sup>, Jed A. Hartings<sup>10</sup>, Johannes Woitzik<sup>11</sup>, Jens P. Dreier<sup>1,4,5\*</sup>

<sup>&</sup>lt;sup>1</sup> Center for Stroke Research, Charité University Medicine Berlin, Berlin, Germany

<sup>&</sup>lt;sup>2</sup> VISCOM – Visual Computing at Fraunhofer Institute for Open Communication Systems FOKUS, Berlin, Germany

<sup>&</sup>lt;sup>3</sup> Department of Physics, Humboldt-University Berlin, Berlin, Germany

<sup>&</sup>lt;sup>4</sup> Department of Neurology, Charité University Medicine Berlin, Berlin, Germany

<sup>&</sup>lt;sup>5</sup> Department of Experimental Neurology, Charité University Medicine Berlin, Berlin, Germany

<sup>&</sup>lt;sup>6</sup> Department of Neuroradiology, Charité University Medicine Berlin, Berlin, Germany

<sup>&</sup>lt;sup>7</sup> Department of Physiology and Neurobiology, Faculty of Health Sciences and Zlotowski Center for Neuroscience, Ben-Gurion University of the Negev, Beer-Sheva, Israel

<sup>&</sup>lt;sup>8</sup> Department of Medical Neuroscience, Faculty of Medicine, Dalhousie University, Halifax, Canada

## Download English Version:

## https://daneshyari.com/en/article/8688297

Download Persian Version:

https://daneshyari.com/article/8688297

<u>Daneshyari.com</u>