

Accepted Manuscript

Removing deep brain stimulation artifacts from the electroencephalogram: issues, recommendations and an open-source toolbox

Guillaume Lio, Stéphane Thobois, Bénédicte Ballanger, Brian Lau, Philippe Boulinguez

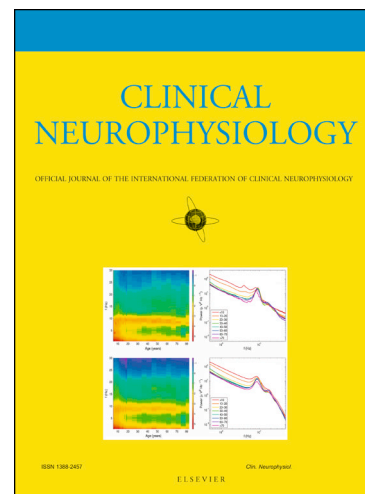
PII: S1388-2457(18)31184-2
DOI: <https://doi.org/10.1016/j.clinph.2018.07.023>
Reference: CLINPH 2008618

To appear in: *Clinical Neurophysiology*

Received Date: 2 September 2014
Revised Date: 23 July 2018
Accepted Date: 28 July 2018

Please cite this article as: Lio, G., Thobois, S., Ballanger, B., Lau, B., Boulinguez, P., Removing deep brain stimulation artifacts from the electroencephalogram: issues, recommendations and an open-source toolbox, *Clinical Neurophysiology* (2018), doi: <https://doi.org/10.1016/j.clinph.2018.07.023>

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.



**Removing deep brain stimulation artifacts from the electroencephalogram:
issues, recommendations and an open-source toolbox**

Guillaume Lio^{1,2,3}

Stéphane Thobois^{1,2,3,4}

Bénédicte Ballanger^{1,2,5}

Brian Lau⁶

Philippe Boulinguez^{1,2,5*}

¹ *Université de Lyon, F-69622, Lyon, France*

² *Université Lyon 1, Villeurbanne, France*

³ *CNRS, Centre de Neurosciences Cognitive, Bron, France*

⁴ *Hospices civils de Lyon, hôpital neurologique Pierre Wertheimer, Bron, France*

⁵ *INSERM U1028, CNRS UMR5292, Centre de Recherche en Neurosciences de Lyon, Lyon, France*

⁶ *Sorbonne Universités, UPMC Univ Paris 06, UMR S 1127, CNRS UMR 7225, Institut du Cerveau et de la Moelle épinière, F-75013, Paris, France*

*** Corresponding author:**

Prof. Philippe Boulinguez, CRNL, bâtiment IDEE, 59 Boulevard Pinel, 69500 Bron, France

Tel: +33 472 346 952

Email: philippe.boulinguez@univ-lyon1.fr

Download English Version:

<https://daneshyari.com/en/article/8682100>

Download Persian Version:

<https://daneshyari.com/article/8682100>

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