

Accepted Manuscript

Task-free spectral EEG dynamics track and predict patient recovery from severe acquired brain injury

R.L. van den Brink, S. Nieuwenhuis, G.J.M. van Boxtel, G. van Luijtelaar, H.J. Eilander, V.J.M. Wijnen



PII: S2213-1582(17)30244-9
DOI: doi:[10.1016/j.nicl.2017.10.003](https://doi.org/10.1016/j.nicl.2017.10.003)
Reference: YNICT 1154

To appear in: *NeuroImage: Clinical*

Received date: 10 March 2017
Revised date: 19 September 2017
Accepted date: 2 October 2017

Please cite this article as: R.L. van den Brink, S. Nieuwenhuis, G.J.M. van Boxtel, G. van Luijtelaar, H.J. Eilander, V.J.M. Wijnen, Task-free spectral EEG dynamics track and predict patient recovery from severe acquired brain injury. The address for the corresponding author was captured as affiliation for all authors. Please check if appropriate. Ynict(2017), doi:[10.1016/j.nicl.2017.10.003](https://doi.org/10.1016/j.nicl.2017.10.003)

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.

Task-free spectral EEG dynamics track and predict patient recovery from severe acquired brain injury

R.L. van den Brink^{1, 2, 3, *}, S. Nieuwenhuis^{1, 2}, G.J.M van Boxtel³, G. van Luijtelaar⁴,

H.J. Eilander^{5, 6}, V.J.M. Wijnen^{4, 5, 7}

¹Institute of Psychology, Leiden University, Leiden, the Netherlands

²Leiden Institute for Brain and Cognition (LIBC), Leiden, the Netherlands

³Department of Neurophysiology and Pathophysiology, University Medical Center Hamburg-Eppendorf, Hamburg, Germany

⁴Department of Psychology, Tilburg University, Tilburg, The Netherlands

⁵Donders Institute for Brain, Cognition and Behaviour, Radboud University, Nijmegen, The Netherlands

⁶Libra Rehabilitation Medicine and Audiology, Tilburg, The Netherlands;

⁷Radboud University Nijmegen Medical Centre, Department of Primary and Community Care, Nijmegen, The Netherlands;

⁸Geriatric Psychiatry Observation Unit, Institution for Mental Health Care 'Dijk and Duin', Parnassia Group, Castricum, Netherlands.

* Corresponding author

E-mail: r.l.van.den.brink@fsw.leidenuniv.nl (RLvdB)

Postal address: Wassenaarseweg 52, 2333AK, Leiden, The Netherlands

Conflict of interests: The authors declare no competing financial interests.

Category: Original Research

Keywords: Disorders of consciousness; Brain injury; EEG; Classification

Acknowledgements: This work was funded by: Stichting Centraal Fonds RVVZ, Zeist; Hersenstichting Nederland, Den Haag; Johanna KinderFonds, Arnhem; CZ Groep Zorgverzekeringen Fonds vrijwillige verzekeringen, Sittard; Zorgverzekeraar VGZ Fonds vrijwillige verzekeringen, Tilburg; Zorg en Zekerheid, Leiden; and Stichting Bio-Kinderrevalidatie, Arnhem. The funding agencies had no role in study design; in the collection, analysis and interpretation of data; in the writing of the report; and in the decision to submit the article for publication.

Download English Version:

<https://daneshyari.com/en/article/8687880>

Download Persian Version:

<https://daneshyari.com/article/8687880>

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