

# Author's Accepted Manuscript

Intact implicit statistical learning in borderline personality disorder

Zsolt Unoka, Gabriella Vizin, Anna Bjelik, Dóra Radics, Dezso Nemeth, Karolina Janacsek



PII: S0165-1781(16)31672-9  
DOI: <http://dx.doi.org/10.1016/j.psychres.2017.06.072>  
Reference: PSY10619

To appear in: *Psychiatry Research*

Received date: 30 September 2016  
Revised date: 14 May 2017  
Accepted date: 21 June 2017

Cite this article as: Zsolt Unoka, Gabriella Vizin, Anna Bjelik, Dóra Radics, Dezso Nemeth and Karolina Janacsek, Intact implicit statistical learning in borderline personality disorder, *Psychiatry Research*, <http://dx.doi.org/10.1016/j.psychres.2017.06.072>

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 galley proof before it is published in its final citable 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.

**Intact implicit statistical learning in borderline personality disorder**

Zsolt Unoka<sup>a1</sup>, Gabriella Vizin<sup>a</sup>, Anna Bjelik<sup>a</sup>, Dóra Radics<sup>a</sup>, Dezso Nemeth<sup>b,c1</sup>, Karolina Janacsek<sup>b,c1</sup>

<sup>a</sup>Department of Psychotherapy and Psychiatry, Semmelweis University, Budapest, Hungary

<sup>b</sup>Institute of Psychology, Eötvös Loránd University, Izabella utca 46., H-1064, Budapest, Hungary

<sup>c</sup>MTA-ELTE NAP B Brain, Memory and Language Research Group, Institute of Cognitive Neuroscience and Psychology, Research Centre for Natural Sciences, Hungarian Academy of Sciences, Magyar tudósok körútja 2., H-1117, Budapest, Hungary

\*Correspondence and requests for material should be addressed to Dezsó Nemeth, Institute of Psychology, Eötvös Loránd University, Izabella utca 46., H-1064, Budapest, Hungary. E-mail: nemeth@nemethlab.com.

**Abstract**

Wide-spread neuropsychological deficits have been identified in borderline personality disorder (BPD). Previous research found impairments in decision making, declarative memory, working memory and executive functions; however, no studies have focused on implicit learning in BPD yet. The aim of our study was to investigate implicit statistical learning by comparing learning performance of 19 BPD patients and 19 healthy, age-, education- and gender-matched controls on a probabilistic sequence learning task. Moreover, we also tested whether participants retain the acquired knowledge after a delay period. To this end, participants were retested on a shorter version of the same task 24 hours after the learning phase. We found intact implicit statistical learning as well as retention of the

---

<sup>1</sup> These authors contributed equally to the paper.

Download English Version:

<https://daneshyari.com/en/article/4933218>

Download Persian Version:

<https://daneshyari.com/article/4933218>

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