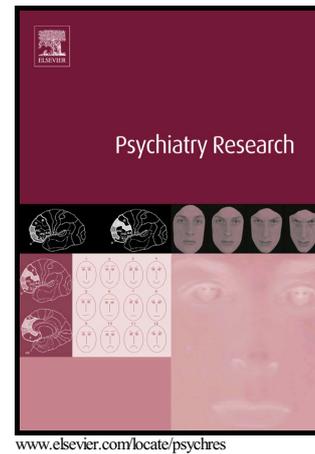


# Author's Accepted Manuscript

Examining Procedural Working Memory Processing in Obsessive-Compulsive Disorder

Nitzan Shahar, Andrei R. Teodorescu, Gideon E. Anholt, Anat Karmon-Presser, Nachshon Meiran



PII: S0165-1781(16)31820-0  
DOI: <http://dx.doi.org/10.1016/j.psychres.2017.03.048>  
Reference: PSY10415

To appear in: *Psychiatry Research*

Received date: 26 October 2016  
Revised date: 19 January 2017  
Accepted date: 24 March 2017

Cite this article as: Nitzan Shahar, Andrei R. Teodorescu, Gideon E. Anholt, Anat Karmon-Presser and Nachshon Meiran, Examining Procedural Working Memory Processing in Obsessive-Compulsive Disorder, *Psychiatry Research* <http://dx.doi.org/10.1016/j.psychres.2017.03.048>

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.

## Examining Procedural Working Memory Processing in Obsessive-Compulsive Disorder<sup>★</sup>

Nitzan Shahar<sup>a1\*</sup>, Andrei R. Teodorescu<sup>b</sup>, Gideon E. Anholt<sup>a</sup>, Anat Karmon-Presser<sup>a</sup>,

Nachshon Meiran<sup>a</sup>

<sup>a</sup> Psychology Department, Ben-Gurion University of the Negev, Beer-Sheva, Israel

<sup>b</sup> Psychology Department, Indiana University, Bloomington, IN 47405, USA

\*Corresponding author. nitzan.shahar@ucl.ac.uk

### Abstract

Previous research has suggested that a deficit in working memory might underlie the difficulty of obsessive-compulsive disorder (OCD) patients to control their thoughts and actions. However, a recent meta-analysis found only small effect sizes for working memory deficits in OCD.

Recently, a distinction has been made between declarative and procedural working memory.

Working memory in OCD was tested mostly using declarative measurements. However, OCD symptoms typically concerns *actions*, making procedural working-memory more relevant. Here, we tested the operation of procedural working memory in OCD. Participants with OCD and healthy controls performed a battery of choice reaction tasks under high and low procedural working memory demands. Reaction-times (RT) were estimated using ex-Gaussian distribution

---

<sup>★</sup> This research was supported by a research grant from the Israel Science Foundation to the last author.

<sup>1</sup> Author Note

متن کامل مقاله

دریافت فوری ←

**ISI**Articles

مرجع مقالات تخصصی ایران

- ✓ امکان دانلود نسخه تمام متن مقالات انگلیسی
- ✓ امکان دانلود نسخه ترجمه شده مقالات
- ✓ پذیرش سفارش ترجمه تخصصی
- ✓ امکان جستجو در آرشیو جامعی از صدها موضوع و هزاران مقاله
- ✓ امکان دانلود رایگان ۲ صفحه اول هر مقاله
- ✓ امکان پرداخت اینترنتی با کلیه کارت های عضو شتاب
- ✓ دانلود فوری مقاله پس از پرداخت آنلاین
- ✓ پشتیبانی کامل خرید با بهره مندی از سیستم هوشمند رهگیری سفارشات