

## Accepted Manuscript

d-Serine is a potential biomarker for clinical response in treatment of post-traumatic stress disorder using (R,S)-ketamine infusion and TIMBER psychotherapy: A pilot study

Basant Pradhan, Ludmil Mitrev, Ruin Moaddell, Irving W. Wainer



PII: S1570-9639(18)30035-9  
DOI: doi:[10.1016/j.bbapap.2018.03.006](https://doi.org/10.1016/j.bbapap.2018.03.006)  
Reference: BBAPAP 40076

To appear in:

Received date: 7 December 2017  
Revised date: 2 March 2018  
Accepted date: 14 March 2018

Please cite this article as: Basant Pradhan, Ludmil Mitrev, Ruin Moaddell, Irving W. Wainer , d-Serine is a potential biomarker for clinical response in treatment of post-traumatic stress disorder using (R,S)-ketamine infusion and TIMBER psychotherapy: A pilot study. The address for the corresponding author was captured as affiliation for all authors. Please check if appropriate. Bbapap(2018), doi:[10.1016/j.bbapap.2018.03.006](https://doi.org/10.1016/j.bbapap.2018.03.006)

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.

**D-Serine is a potential biomarker for clinical response in treatment of post-traumatic stress disorder using (R, S)-ketamine infusion and TIMBER psychotherapy: A pilot study**

Basant Pradhan<sup>a</sup>, Ludmil Mitrev<sup>a</sup>, Ruin Moaddell<sup>b</sup>, Irving W. Wainer<sup>c#</sup>

<sup>a</sup>Department of Psychiatry, <sup>c</sup>Department of Anesthesiology, Cooper University Hospital and Cooper Medical School of Rowan University, Camden, NJ, USA; <sup>b</sup>Bio-analytical Chemistry and Drug Discovery Section of the National Institute on Aging (NIA) / National Institute of Health (NIH), Bethesda, MD, USA

# Corresponding author: Irving W. Wainer [iwwainer@gmail.com](mailto:iwwainer@gmail.com)

**Abbreviations:** PTSD: Post-traumatic stress disorder; Ket: (R,S)-ketamine; TIMBER: Trauma Interventions using Mindfulness Based Extinction and Reconsolidation; DSR: D-serine; TM: trauma memory; MB-GET: mindfulness based graded exposure therapy; CBT: cognitive behavioral therapy; LTP: long-term potentiation; LTD: long-term depression; PCL: PTSD Checklist; CAPS: Clinician Administered PTSD Scale for DSM-

Download English Version:

<https://daneshyari.com/en/article/7560207>

Download Persian Version:

<https://daneshyari.com/article/7560207>

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