Author’s Accepted Manuscript

Neural and behavioural correlates of autobiographical memory retrieval in patients with major depressive disorder and a history of trauma exposure

Melissa Parlar, Maria Densmore, Geoffrey B.C. Hall, Ruth Lanius, Margaret C. McKinnon

PII: S0028-3932(17)30251-8
DOI: http://dx.doi.org/10.1016/j.neuropsychologia.2017.07.004
Reference: NSY6419

To appear in: Neuropsychologia

Received date: 14 February 2017
Revised date: 7 June 2017
Accepted date: 6 July 2017

Cite this article as: Melissa Parlar, Maria Densmore, Geoffrey B.C. Hall, Ruth Lanius and Margaret C. McKinnon, Neural and behavioural correlates of autobiographical memory retrieval in patients with major depressive disorder and a history of trauma exposure, Neuropsychologia, http://dx.doi.org/10.1016/j.neuropsychologia.2017.07.004

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.
Neural and behavioural correlates of autobiographical memory retrieval in patients with major depressive disorder and a history of trauma exposure

Melissa Parlar\textsuperscript{a,b}, Maria Densmore\textsuperscript{c}, Geoffrey B.C. Hall\textsuperscript{d}, Ruth Lanius\textsuperscript{c}\textsuperscript{1}, Margaret C. McKinnon\textsuperscript{b,d,e}\textsuperscript{*}

\textsuperscript{a}Department of Psychology, York University
\textsuperscript{b}Mood Disorders Program, St. Joseph’s Healthcare, Hamilton, ON, Canada
\textsuperscript{c}Department of Psychiatry, University of Western Ontario, London, ON, Canada
\textsuperscript{d}Department of Psychology, Neuroscience, and Behaviour, McMaster University, Hamilton, ON, Canada
\textsuperscript{e}Homewood Research Institute, Guelph, ON, Canada

\textsuperscript{*}Correspondence to: Margaret C. McKinnon, Mood Disorders Program, St. Joseph’s Healthcare Hamilton, 100 West 5\textsuperscript{th} Street, Box 585, Hamilton, ON, Canada L8N 3K7. Tel.: (905) 522 1155x35438; fax: (905) 381 5610. mckinno@mcmaster.ca

Abstract
Alterations in autobiographical memory (AM) performance have been identified in major depressive disorder (MDD) and in trauma-related disorders; however, the neural and behavioural correlates of AM in patients with MDD and a co-morbid history of trauma remain unexplored. Here, we used behavioural and neuroimaging techniques to investigate AM in this patient group and in matched healthy comparison subjects (HCs). Twenty patients with MDD and trauma exposure and 20 HCs underwent fMRI scanning while recalling positive, negative, and neutral events. Participants were subsequently administered the Autobiographical Interview (Levine et al., 2002), allowing for separation of episodic and non-episodic details of memories. Key clinical variables, including illness severity, dissociative (e.g., depersonalization, derealization) symptoms, and history of parental bonding, were assessed.

Compared to controls, patients showed reduced activation in the left parahippocampus and left anterior insula during retrieval of positive memories. Among patients, greater specificity of positive AM recall on the Autobiographical Interview was related to reduced activation of the left anterior insula during retrieval of positive memories. Moreover, increased left

\textsuperscript{1} shared last authorship.
دریافت فوری متن کامل مقاله

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