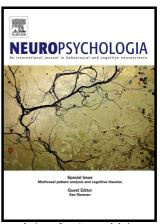
Author's Accepted Manuscript

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www.elsevier.com/locate/neuropsychologia

PII: S0028-3932(17)30162-8

DOI: http://dx.doi.org/10.1016/j.neuropsychologia.2017.04.033

Reference: NSY6347

To appear in: Neuropsychologia

Received date: 18 August 2016 Revised date: 24 April 2017 Accepted date: 26 April 2017

Cite this article as: Evelien Heyselaar, Katrien Segaert, Serge J.W. Walvoort, Roy P.C. Kessels and Peter Hagoort, The role of nondeclarative memory in the skill for language: Evidence from syntactic priming in patients with amnesia *Neuropsychologia*, http://dx.doi.org/10.1016/j.neuropsychologia.2017.04.033

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The role of nondeclarative memory in the skill for language: Evidence from syntactic priming in patients with amnesia

Evelien Heyselaar¹, Katrien Segaert^{2,1}, Serge J.W. Walvoort³, Roy P. C. Kessels^{3,4,5}, Peter Hagoort^{1,4*}

Abstract

Syntactic priming, the phenomenon in which participants adopt the linguistic behaviour of their partner, is widely used in psycholinguistics to investigate syntactic operations. Although the phenomenon of syntactic priming is well documented, the memory system that supports the retention of this syntactic information long enough to influence future utterances, is not as widely investigated. We aim to shed light on this issue by assessing patients with Korsakoff's amnesia on an active-passive syntactic priming task and compare their performance to controls matched in age, education, and premorbid intelligence. Patients with Korsakoff's syndrome display deficits in all subdomains of declarative memory, yet their nondeclarative

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