EVENT-RELATED BRAIN POTENTIAL INDICES OF HYPER-ACTICE GAP-FILLING



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well as only N400 (Frisch and Schlesewsky 2001; Frisch et al. 2004). However, we did not expect semantic integration effects with intransitives in the current paradigm. We reasoned that the most likely response would be a P600 caused by encountering an unexpected syntactic category (the relative clause operator trace) after the intransitive verb.

ANOVA for all anterior inferior electrodes with a laterality factor revealed no left-right asymmetry. With data collapsed over hemisphere, an interaction with verb type was revealed. Only transitive verbs elicited a significant anterior negativity at the adverb.

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effect was descriptively larger for transtives at the verb, and significantly greater at the adverb. Both verbs elicited a P600.

REFERENCE: Omaki, Lau, Davidson White, Dakan, & Phillips. (under revision). Hyper-active gap filling: Pre-verbal object gap creation in English filler-gap dependency processing. Ms.