

Recoverability of deletion in agrammatic production:
the omission of prepositions
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Abstract

It is widely accepted that omission/substitution of function words is direct evidence of an agrammatic brain damage. In this study – a sequel to Lonzi & Luzzatti (1995) – we follow the view that the production of agrammatic patients is subject to a constraint named ‘Telegraph’ by Pesetsky (1998) that is present in the pronunciation system of normal grammars: “Do not pronounce function words”. We propose that this constraint, though re-ranked higher in agrammatic production with respect to its position in normal grammars, is still regularly subject to the condition of Recoverability of deletion.

The results of two different tasks concerning prepositions – a completion and a grammaticality judgment task – given to 4 stabilized agrammatic patients comply with this view.

Bibliographical References

- Belletti Adriana & Luigi Rizzi 1988. Psych-Verbs and ∇ -Theory. *Natural Language and Linguistic Theory* 6. 291-352.
- Barbosa Pilar, Danny Fox, Paul Hagstrom, Martha McGinnis & David Pesetsky (eds.) 1998. *Is the Best Good Enough? Optimality and competition in syntax*. Cambridge Mass.: MIT Press and MITWPL.
- Bennis Hans, Ronald Prins & Jan Vermeulen 1983. Lexical Semantic versus Syntactic Disorders in Aphasia: the processing of Prepositions. Universiteit van Amsterdam: *Publikaties van het Instituut voor Algemene Taalwetenschap* 40.
- Bradley Dianne C., Merrill F. Garrett & Edgar B. Zurif 1980. Syntactic Deficits in Broca’s Aphasia. In Caplan 1980. 269-286.
- Caplan David (ed.) 1980. *Biological Studies of Mental Processes*. Cambridge Mass.: MIT Press.
- Chomsky Noam 1964. *Current Issues in Linguistic Theory*. The Hague: Mouton.
- Chomsky Noam 1965. *Aspects of the Theory of Syntax*. Cambridge Mass.: MIT Press.
- Chomsky Noam 1981. *Lectures on Government and Binding*. Dordrecht: Foris.
- Cinque Guglielmo 1999. *Adverbs and functional Heads: A Cross-linguistic Perspective*. Oxford: University Press.
- Cinque Guglielmo 2002. Complement and Adverbial PPs: Implications for Clause Structure. *GLOW Newsletter* 48. 23-24.
- De Mauro Tullio, Federico Mancini, Massimo Vedovelli & Miriam Voghera 1993. *Lessico di frequenza dell’italiano parlato - LIP*. Milano: EtasLibri.
- Friederici Angela D. 1982. Syntactic and Semantic Processes in Aphasic Deficits: The Availability of Prepositions. *Brain and Language* 15. 249- 258.
- Friederici Angela D. 1985. Levels of processing and vocabulary types: evidence from on-line comprehension in normals and agrammatics. *Cognition* 19. 133-166.
- Grimshaw Jane 1990. *Argument Structure*. Cambridge Mass.: MIT Press. Grodzinsky Yosef 1989. Syntactic Representations in Agrammatic Aphasia: The Case of Prepositions. *Language and Speech* 31. 115-134.
- Grodzinsky Yosef 2000. The neurology of syntax: Language use without Broca’s area. *Behavioral and Brain Sciences* 23. 1-71.
- Kayne Richard S. 1994. *The Antisymmetry of Syntax*. Cambridge Mass.: MIT Press.
- Kean Mary Louise (ed.) 1980. Grammatical Representation and the Description of Language Processing. In Caplan 1980. 239-268.
- Linebarger Marcia C., Myrna Schwartz & Eleanor Saffran 1983. Sensitivity to grammatical structure in so-called agrammatic aphasics. *Cognition* 13. 361-392.
- Lonzi Lidia 1997. On Lasnik’s Subject Role. *Lingua e Stile* 32. 397-432.
- Lonzi Lidia & Claudio Luzzatti 1995. Omission of prepositions in Agrammatism and Universal Grammar Constraint on Recoverability. *Brain and Language* 51 (1). 129-132.

- Luzzatti Claudio, Alessio Toraldo, Maria Teresa Guasti, Graziella Ghirardi, Lorena Lorenzi, Caterina Guarnaschelli 2001. Comprehension of reversible active and passive sentences in agrammatism. *Aphasiology* 15. 419-441.
- Pascual-Pou Montserrat 1999. *The “Instrumental Phrase”: is it an adjunct, an argument or a predicate?* Master Thesis, Universitat Autònoma de Barcelona. *Catalan Working Papers in Linguistics*.
- Pesetsky David 1995. *Zero Syntax*. Cambridge Mass.: MIT Press.
- Pesetsky David 1998. Some Optimality Principles of Sentence pronunciation. In Barbosa et al. (eds.) 1998. 337-383.
- Phillips, Colin 2003. Linear Order and Constituency. *Linguistic Inquiry* 34. 37-90.
- Renzi Lorenzo (ed.) 1988. *Grande Grammatica Italiana di Consultazione*. Vol. I. Bologna: Il Mulino.
- Rizzi Luigi 1985. Two notes on the linguistic interpretation of Broca's aphasia. In Kean, Mary Louise (ed.). *Agrammatism*. New York: Academic Press. 153-164.
- Rizzi Luigi 1988. Il sintagma preposizionale. In Renzi (ed.) 1998. 507-531.
- Van Riemsdijk Henk 2002. The Unbearable Lightness of Going. The projection parameter as a pure parameter governing the distribution of elliptic motion verbs in Germanic. *Journal of Comparative Germanic Linguistics* 5. 143-196.