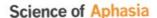
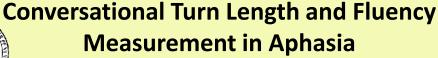


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Introduction

A common assumption regarding fluency is that the difference between a fluent and non-fluent speaker can be easily stated (Poeck, 1989; Gordon, 1998). However, there is no objective and valid measure to determinate the level of a person with aphasia on the fluency continuum. Traditionally, people with aphasia have been classified as fluent or non-fluent following the cognitive criteria. (Uribe, Arana & Lorenzana, 1969; Goodglass & Kaplan, 1986; Kertesz, 1994; Price et al., 2003)

Aim

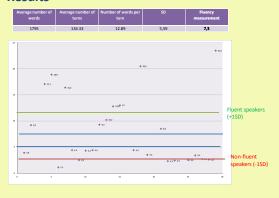
The present study has attempted to clarify differences between fluent and non-fluent patterns of speech using analysis data from natural conversation settings.

Data analysis

All analyzed conversations were fragments of 20 minutes chosen at random from conversation of one hour length. Fluency measurement has to be developed which can be adapted to the different types of discourse and their components; at the same time, the formula used has to indicate where the patient in the continuum of fluency is.

The formula evolved was: speaker total words / speaker total speech turns.

Results



Data Collection & Participants

In order to guarantee validity of linguistic data, they should be collected in their natural conversational frame, as demanded from clinical practice (Penn, 1985; Ahlsén, 1995; Joanette & Ansaldo, 1999; Perkins, 2005; Gallardo-Paúls, 2009). One hour length conversations by 30 bilingual people with aphasia (Spanish- Catalan) talking with their key conversational partners (Withworth, Perkins & Lesser, 1997) were analyzed and compared with interactions between 'non damaged' bilingual (Spanish- Catalan) speakers in order to identify which variable can be relevant for the fluent/ non-fluent diagnosis.

Table I. Apharic participants data				
Record	Sex	Apr	Sociocultural level	Luquep
AH B2	н	70	MedumLow	Spanish /Catalan
ANG	н	51	High	Spanish
APP1	М	34	MedumLow	Spanish Catalan
APP2	M	35	MediumLow	Spanish Catalan
COR	н	66	MedumLow	Spanish
JAL	н	68	Medum-Low	Spanish
JCM	н	71	MedumLow	Spanish Catalan
JCM2	H	71	Medium-Low	Spanish Catalan
JFG	М	78	Low	Spanish (Catalan
JMB	н	57	High	Spanish Catalan
JPA	н	76	Low	Spanish
JZA	н	74	Low	Spanish
MAR	M	69	Low	Spanish
POJ	M	69	Medium-Low	Spanish



Discussion

7,3 words-per-turn value is a valid measure in Spanish and Catalan to delimit fluent and non-fluent speakers. These results emphasize the importance of the quantitative analysis of fluency in speech in its natural environment.

As well, the measure of 7,3 words-per-turn not only can determinate the difference between fluent and non-fluent speaker, but allows the diagnosis of severe fluency deficits as logorrhea or mutism.

References

Ahlsen, E. (1995). Pragmatics and Aphasia. An Activity based approach, Monográfico 77 Gothenburg Papers in Theoretical Linguistics.

Gallardo Paúls, B. (2009). Valoración del componente pragmático a partir de datos orales, Revista de Neurología, 48 (4), 57-61.

Goodglass, H. & Kaplan, E. (1986). Evaluación de la afasia y trastornos relacionados. Madrid: Editorial Médica Panamericana. Trad. de Carlos Wernicke. Goodglass, H.; Kaplan, E. & Barelli, B. (2000). Boston Diagnostic Aphasia Examination—Third Edition (BDAE—3). San Antonio, TX: The Psychological Corporation.

Joanette, Y. & Ansaldo, A.I. (1999). Clinical Note: Acquired Pragmatic Impairments and Aphasia, In Stemmer, B: Pragmatics: Theoretical and Clinical Issues, Brain and Language,

Kertesz, A. (1994). Localization and Neuroimaging in Neuropsychology. San Diego: Academic Press

Penn, C. (1985). The Profile of Communicative Appropriateness: A clinical tool for the assessment of pragmatics, The South African Journal of Communication Disorders, 32, 18-

Perkins, M. (2005). Clinical pragmatics: an emergentist perspective, Clinical Linguistics and Phonetics, 19 (5). pp. 363-366. DOI: http://dx.doi.org/10.1080/02699200400027080 Price, C.J., Gorno-Tempini, M.L., Graham, K.S., Biggio, N., Mechelli, A., Patterson, K., & Noppeney, U. (2003). Normal and pathological reading: converging data from lesion and imaging studies. Neuroimage, 20 (Suppl. 1), S30-S41.

Poeck, K. (1989). Fluency. In C. Code (Ed.). The characteristics of Aphasia (Philadelphia: Taylor & Francis) p. 23-32.

Uribe, Arana y Lorenzana (1969). Neurología. Medellín, Colombia: Corporación para investigaciones biológicas

Whitworth, A.; Perkins, L.; y Lesser, R. (1997). Conversational Analysis Profile for People with Aphasia CAPPA, London: Whurr Publ.