Prosodic patterns of code-switching in Spanish-Basque bilinguals Ann M. Aly University of California, Los Angeles ann.m.aly@ucla.edu

The present study investigates the prosody of code-switching in Spanish-Basque bilinguals, which has not been previously documented. As the Basque Country has growing numbers of Spanish-Basque bilinguals, previous work has provided evidence of linguistic influence and contact-induced change between these two unrelated language. For example, codeswitching or borrowing of Spanish swear words discourse markers into Basque was found by Lantto (2012, 2014), and evidence of peak alignment transfer from Basque to Spanish in Lekeitio, a Basque-dominant region, was found in Elordieta & Calleja (2005) and Elordieta & Irurtzun (2012, in press). However, no previous studies consider the possibility of bidirectional phonological influence between Spanish and Basque while code-switching. Peninsular Spanish and Basque have several prosodic differences, including peak alignment in pitch accents in which Spanish has delayed peaks (Estebas Plana & Prieto (2008)) and Basque has early peaks (Elordieta & Hualde (2015)). The present study investigates if the occurrence of code-switched words is conditioned by prosodic (i.e. phrasal) position and whether the peak alignment and f0 maximum of a pitch accent differs between monolingual context (Spanish only) and codeswitched context (from Spanish to Basque and vice versa). Bilinguals (aged 21-31) from a Basque-dominant region (Lekeitio, n = 3) and a Spanish-dominant region (Bilbao, n = 4) participated in the present study to examine possible effects of regional language dominance.

Participants completed four tasks in the present study: a semantic verbal fluency task (SVF) to determine language dominance; a reading task in Spanish to establish a monolingual baseline; a discourse completion task (DCT) modeled on Prieto & Roseano (2010) which elicited semi-spontaneous answers to prompts (n = 70) containing Basque nouns (n = 15) to trigger codeswitching; and an interview (10-20 minutes) in Basque, with Spanish words inserted by the interviewer to trigger code-switching. The data was transcribed and analyzed in *Praat* 6.0.10 (Boersma & Weenink (2016)) coded for the following predictor variables: prosodic position (phrase-medial or phrase-final), peak alignment duration (in ms from syllable offset), and f0 (Hz) maximum in pitch accents.

Preliminary results from 4 speakers show that when prosodic position was considered, 61% of code-switches occurred in phrase-final position, with more phrase-final code-switches occurring in the DCT than in the interview (in which only 48% were phrase-final). This difference may be due to task type; that is, the most informal task (interview) may have provided a context for more variation. With respect to peak alignment, the alignment of the f0 peak in pitch accents in the monolingual (i.e., not code-switched) Spanish data matches norms for Peninsular Spanish. When speakers code-switch from Spanish to Basque, speakers from Bilbao produced early peaks (typical of Basque norms), whereas speakers from Lekeitio produced delayed peaks (Spanish-like norms). When code-switching from Basque to Spanish, speakers from Bilbao produced early peaks (Basque-like), whereas the Lekeitio dialect produced delayed peaks (Spanish-like). These results suggest that speakers may be defaulting to the less dominant language of their region, which may be more difficult to suppress in a bilingual interaction. Results for f0 max during code-switches reveal greater f0 during Basque code-switches for Lekeitio speakers when compared to Bilbao speakers, which may indicate a strategy of contrasting languages while code-switching. Work in progress will add additional analysis on

- pitch range to disentangle individual and dialectal variation and consider anticipatory effects of code-switching by examining distance from code-switched words. Implications for language dominance will be discussed as well as bilingual phonological strategies when code-switching. Works cited
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