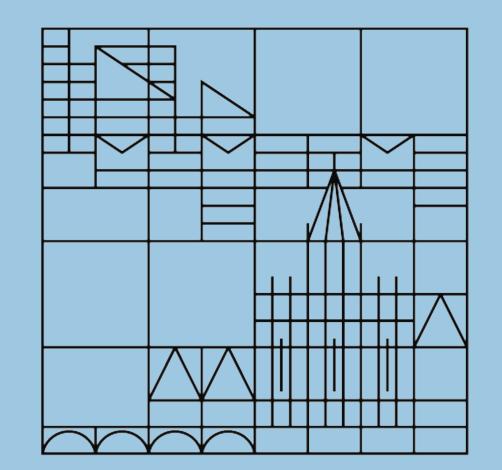
Universität Konstanz





Final devoicing of /l/ in Reykjavík Icelandic

Nicole Dehé

nicole.dehe@uni-konstanz.de





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Introduction

Icelandic has devoicing of sonorants, among them /l/, after voiced segments in "phrase" or "utterance"-final position (Árnason 2009, 2011; Helgason 1993; Thráinsson 1994); devoiced /l/ is realised as the voiceless lateral fricative [4] :

No devoicing:Jón er á bíl í dag. ['pi:l]Devoicing:Jón er á bíl.['pi:l](John is on car (today); 'John is driving (today)')

The Experiment (reading task, 12 female speakers)

- designed to test the environment of final devoicing of /l/ in Reykjavík Icelandic (four positions)
- target words were monosyllabic (syllable ending in /l/ stressed; e.g. *kál*) or disyllabic (syllable ending in /l/ unstressed; e.g. *blómkál*)
- final /l/, unless utterance-final, was followed by voiced (vowels) or voiceless (fricatives or plosives) segments

Materials (examples; 56 target sentences overall)	Hypotheses
Condition 1: End of utterance (2x4 = 8 sentences) a. Í gær borðuðum við svínakjöt, kartöflur og kál . /'k ^h au:l/ b. Einu sinni eldaði mamma mín oft blómkál . /'plou:m.k ^h au:l/	H1: Final devoicing occurs, and is likely to be obligatory, at the end of an utterance.
Condition 2: End of clause/IP (2x2x4 = 16 sentences) a/b. [Í gær borðuðum við svínakjöt, kartöflur og kál] [en í dag] / [sem bróðir minn] c/d. [Einu sinni eldaði mamma mín oft blómkál] [en nú á dögum] / [sem hún keypti]	H2: Final devoicing occurs, and is likely to be obligatory, at the end of an IP, i.e. at the end of a clause in the syntax.
Condition 3: End of XP (2x2x4 = 16 sentences)	H3: Final devoicing may occur, if bounded by a

a. Einu sinni eldaðum við [kartöflur og kál] _{NP} á hverjum degi b. Á morgun þarf ég að kaupa [kál] _{NP} fyrir kjötsúpuna c. Í morgun keypti sambýlismaður minn [blómkál] _{NP} í Bónus d. Í Bónus keypti sambýliskona mín [blómkál] _{NP} frá Spáni					level between PWd and IP, at the end of a syntactic XP, here: between object and adjunct, a position likely to coincide with a phonological phrase boundary in prosodic structure.	
Condition 4: Within XP ($2x2x4 = 16$ sentences)				H4: Final devoicing does not occur XP-		
a/b. Mér líkar [kál ömmu minnar] _{NP} / [kál frænku minnar] _{NP} sem hún eldar. c/d. Okkur þykir [súrkál ömmu okkar] _{NP} / [súrkál systur okkar] _{NP} frábært.				internally, a position likely to correspond to a PWd boundary in the prosodic structure.		
Results and Discussion						
1) significant effect of position Percentage of /1/ realized as [4] by position	2) no effect of stress or voicing of following segment				g of	• Final devoicing of /l/ marks the end of the utterance (obligatory [4]).
100%	stressed unstresse			unstr	essed	 Devoicing is frequent, but not obligatory at the end of the clause/IP (T% found in all
90% 80%	position	[1]	[4]	[1]	[4]	clause-final positions);
70%66%	1 (U-final)	0	48	0	48	example of [1] in clause/IP-final position:
60%	2 (Cl-final)	32	62	30	64	
40%	3 (XP-final) 4 (XP-internal)	77 88	17 6	87 94	5 0	
20% 12%	Table 2: Cross-tabulation of /l/ according to				g to	-0.2434 5000

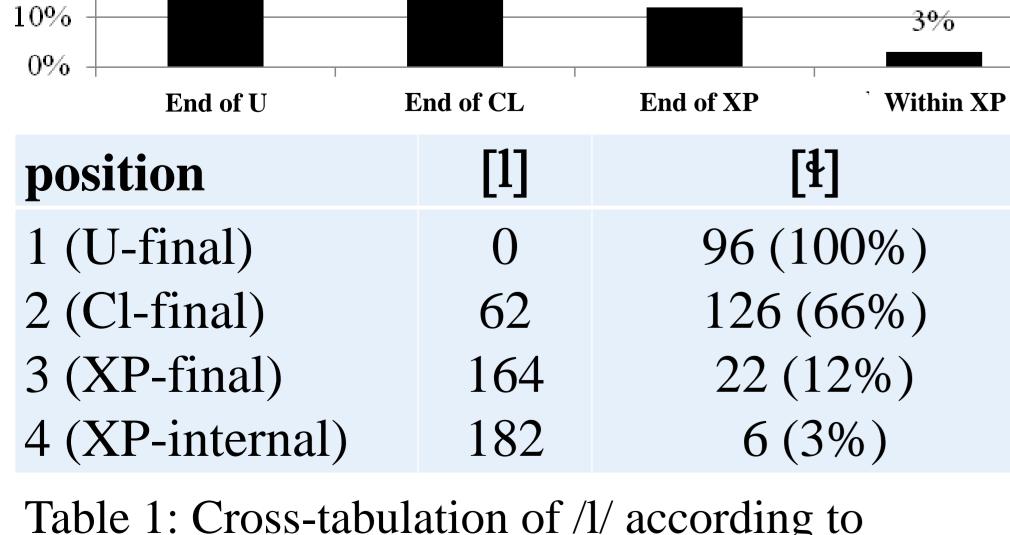
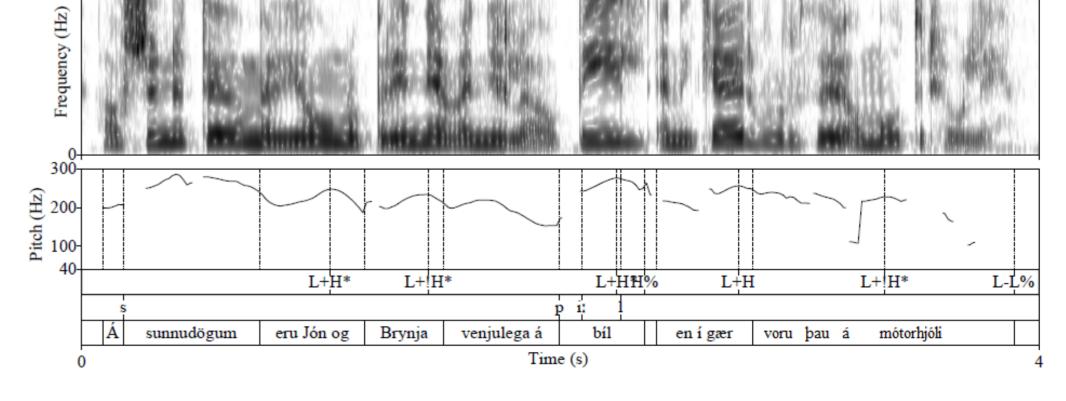


Table 1: Cross-tabulation of /l/ according to position and (de)voicing

position, stress of target σ and (de)voicing voiceless voiced [1] [4] [**ł**] position [1] 1 (U-final) 0 0 0 0 2 (Cl-final) 43 19 77 49 3 (XP-final) 84 80 10 12 4 (XP-internal) 89 92 6 Table 3: Cross-tabulation of /l/ according to position, voicing of the following segment and (de)voicing



- Devoicing is clearly disfavoured within IP.
- Outlook:
 - Focus, other sonorants, dialectal variation

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References

Árnason, Kristján. 2009. Phonological domains in Modern Icelandic. In J. Grijzenhout & B. Kabak (eds.), *Phonological Domains: Universals and Deviations*, 283-313, Mouton de Gruyter. Árnason, Kristján. 2011. *The Phonology of Icelandic and Faroese*. OUP. Helgason, Pétur. 1993. On Coarticulation and Connected Speech Processes in Icelandic. Málvísindastofnun Háskóla Íslands. Thráinsson, Höskuldur. 1994. Icelandic. In E. König & J. van der Auwera eds.), *The Germanic Languages*, 142-189, Routledge.