

**Supplemental Material S18.** Results of linear mixed-effects model on pitch shape (slope and curvature) in children's neutral tone productions, with three fixed factors "Group" (NH = 3, CI\_Exp < 1, CI\_Exp 1-2, CI\_Exp 2-3, and CI\_Exp 3-4), "Context" (after T1/2/4 and after T3) and "Type" (Reduplicatives and Possessives) and a covariate "Chronological age".

Parameter	Factors	df 1	df 2	F	p
Pitch slope	Group	4	198	1.80	.130
	<b>Context</b>	<b>1</b>	<b>11988</b>	<b>9.12</b>	<b>&lt; .01**</b>
	<b>Type</b>	<b>1</b>	<b>12032</b>	<b>5.28</b>	<b>&lt; .05*</b>
	Chronological Age	1	195	2.05	.153
	<b>Group × Context</b>	<b>4</b>	<b>11981</b>	<b>3.54</b>	<b>&lt; .01**</b>
	Group × Type	4	11712	1.58	.177
	Context × Type	1	11985	0.98	.322
	Group × Chronological Age	4	197	1.46	.216
	Context × Chronological Age	1	11983	2.78	.095
	Type × Chronological Age	1	12009	2.66	.103
	$\hat{\text{Group}} \times \hat{\text{Context}} \times \hat{\text{Chronological Age}}$	4	11980	1.94	.101
	Group × Type × Chronological Age	4	11791	1.48	.205
	Context × Type × Chronological age	1	11982	0.65	.421
	Group × Context × Type × Chronological Age	4	11979	0.85	.493
Pitch curvature	Group	4	344	1.23	.299
	Context	1	11959	0.30	.586
	Type	1	11939	0.31	.576
	Chronological Age	1	337	1.34	.248
	Group × Context	4	11957	0.11	.980
	Group × Type	4	11738	0.84	.499
	Context × Type	1	11959	1.09	.297
	Group × Chronological Age	4	341	0.88	.476
	Context × Chronological Age	1	11958	0.12	.731
	Type × Chronological Age	1	11920	0.36	.550
	Group × Context × Type	4	11957	0.21	.931
	Group × Context × Chronological Age	4	11957	0.28	.893
	Group × Type × Chronological Age	4	11786	0.78	.537
	Context × Type × Chronological Age	1	11958	0.72	.395
Group × Context × Type × Chronological Age	4	11957	0.15	.962	

Note. NH = normal hearing; CI = cochlear implant.