

Supplemental Table S2. Descriptive data and statistical results for modality of expression, types of gestures, and semantic relationship between gestures and speech, according to word classes.

	SLI group	CATD group	LATD group	ANCOVA			Post-hoc comparisons					
							SLI-CATD		SLI-LATD		CATD-LATD	
	<i>M</i> (<i>SD</i>)	<i>M</i> (<i>SD</i>)	<i>M</i> (<i>SD</i>)	(<i>df</i>) <i>F</i>	<i>p</i>	η_p^2	<i>t</i>	<i>p</i>	<i>t</i>	<i>p</i>	<i>t</i>	<i>p</i>
NOUNS SUBTEST												
Total number answers (C)	22.54 (3.87)	20.20 (0.42)	21.67 (3.46)									
Expression modality (A)												
Unimodal spoken	14.60 (5.08)	17.90 (2.38)	14.67 (6.22)				-1.91	<i>ns</i>	0.03	<i>ns</i>	2.04	<i>ns</i>
Bimodal	7.40 (6.77)	2.30 (2.26)	6.73 (6.56)				2.29	.032	0.27	<i>ns</i>	2.14	.046
Unimodal gestural ^a	.53 (.64)	0.00 (0.00)	0.26 (0.59)									
A × C				(1, 41) 5.24	.028	.13						
B (group)				(2, 41) 2.18	<i>ns</i>	<i>ns</i>						
A × B				(2, 41) 1.19	<i>ns</i>	<i>ns</i>						
Gesture types												
Deictic gestures	6.27 (6.49)	2.20 (2.35)	5.73 (6.18)	Kruskal-Wallis test								
Representational gestures	1.60 (1.99)	0.10 (0.32)	1.27 (2.22)	$\chi^2(2) = 3.13$	<i>ns</i>							
				$\chi^2(2) = 6.57$.038							
Gest-speech semantic rel. ^b												
Reinforcing g.corr-s.corr	1.40 (1.60)	0.10 (0.32)	0.40 (0.63)									
Reinforcing g.incorr-s.inc	0.27 (1.03)	0.00 (0.00)	0.13 (0.35)									
Adding g.corr-s.incorr	0.27 (0.46)	0.00 (0.00)	0.47 (0.74)									
PREDICATES SUBTEST												
Total number answers (C)	24.07 (4.65)	21.10 (1.37)	26.06 (5.98)									
Expression modality (A)												
Unimodal spoken	13.87 (5.91)	20.00 (2.49)	16.60 (5.46)				-3.08	.005	-1.32	<i>ns</i>	-1.84	<i>ns</i>
Bimodal	9.87 (7.31)	1.10 (1.60)	8.80 (6.28)				9.68	.001	0.40	<i>ns</i>	3.77	.001

	SLI group	CATD group	LATD group	ANCOVA			Post-hoc comparisons					
							SLI-CATD		SLI-LATD		CATD-LATD	
	<i>M</i> (<i>SD</i>)	<i>M</i> (<i>SD</i>)	<i>M</i> (<i>SD</i>)	(<i>df</i>) <i>F</i>	<i>p</i>	η_p^2	<i>t</i>	<i>p</i>	<i>t</i>	<i>p</i>	<i>t</i>	<i>p</i>
Unimodal gestural ^a	0.33 (0.62)	0.00 (0.00)	0.67 (0.90)									
A × C				(1, 41) 6.51	.015	.15						
B (group)				(2, 41) 3.16	.055	.15						
A × B				(2, 41) 5.20	.010	.22						
Gesture types				Kruskal-Wallis test								
Deictic gestures	6.00 (5.81)	0.50 (0.97)	6.87 (5.29)	$\chi^2(2) = 16.63$.000							
Representational gestures	4.27 (3.64)	0.60 (0.97)	2.60 (2.90)	$\chi^2(2) = 8.03$.018							
Gest-speech semantic rel. ^b												
Reinforcing g.corr-s.corr	2.20 (1.94)	0.40 (0.97)	1.27 (1.44)									
Reinforcing g.incorr-s.inc	0.20 (0.56)	0.00 (0.00)	0.54 (0.99)									
Adding g.corr-s.incorr	1.53 (2.39)	0.20 (0.42)	1.06 (1.28)									

Note. C = covariate. ^a Unimodal gestural answers were excluded from statistical analyses because they were infrequent in all groups. ^b Given the low numbers of representational co-speech gestures produced in each subtest, the comparisons between groups and within group were limited to qualitative analyses.